Navy and Marine Corps Public Health Center

Appendix K
Resolution Consultants Environmental Investigation Report

11 April 2016

620 John Paul Jones Circle, Suite 1100
Portsmouth, VA 23708-2103

ENVIRONMENTAL INVESTIGATION REPORT

OFFICE OF MILITARY COMMISSIONS
CAMP JUSTICE
NAVAL STATION GUANTANAMO BAY, CUBA

Revision: 0

Prepared for:



Department of the Navy
Naval Facilities Engineering Command Southeast
Building 135 North, P.O. Box 30
Jacksonville, Florida 32212-0030

11 April 2016

ENVIRONMENTAL INVESTIGATION REPORT

OFFICE OF MILITARY COMMISSIONS
CAMP JUSTICE
NAVAL STATION GUANTANAMO BAY, CUBA

Revision: 0

Prepared for:

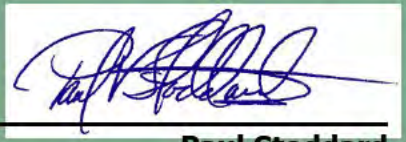
Department of the Navy
Naval Facilities Engineering Command Southeast
Building 135 North, P.O. Box 30
Jacksonville, Florida 32212-0030

Prepared by:

Resolution Consultants
A Joint Venture of AECOM & EnSafe
1500 Wells Fargo Center
440 Monticello Avenue
Norfolk, Virginia 23510

Contract Number N69470-11-D-8013
CTO JMB5

11 April 2016



Paul Stoddard
Contract Task Order Manager

Table of Contents

List of Acronyms and Abbreviations iv

1.0 INTRODUCTION 1
1.1 Background 1
1.2 Associated and Supplemental Investigations 1
1.2.1 Initial Site Visit 2
1.2.2 Indoor Air Quality Assessment 2

2.0 SITE SETTING 3
2.1 Location 3
2.2 Layout 3
2.2.1 Existing Buildings 3
2.2.2 Modular Structures/Trailers 6
2.2.3 Tents 6
2.2.4 Other 6
2.3 Surrounding Land Use 7

3.0 SCOPE OF WORK 10

4.0 ENVIRONMENTAL INVESTIGATION 14
4.1 Air Sampling 14
4.1.1 HAPSITE Screening 14
4.1.2 Summa Canisters 21
4.1.3 Mercury Vapor Screening 24
4.1.4 Formaldehyde 28
4.1.5 Asbestos 30
4.1.6 Radon 32
4.2 Paint Chip Samples 33
4.2.1 Sample Locations 33
4.2.2 Sample Collection 33
4.2.3 Analytical Results 33
4.3 Drinking Water Sampling 34
4.3.1 Sample Locations 34
4.3.2 Sample Collection 35
4.3.3 Field Test Kits Analytical Results 35
4.3.4 Laboratory Analytical Results 36
4.3.5 Summary of Results 37
4.4 Soil Sampling 37
4.4.1 Sample Location 37
4.4.2 Sample Collection 39
4.4.3 Laboratory Analyses 45
4.4.4 Analytical Results 45
4.5 Ionizing Radiation Screening 47
4.5.1 Ionizing Radiation Assessment 47
4.5.2 Gamma Exposure Rate Surveys 48
4.5.3 Direct Gamma Radiation Measurement and Walkover Surveys 49
4.6 Data Management and Validation 51
4.7 Investigation-Derived Waste 53

5.0 ENVIRONMENTAL INVESTIGATION SUMMARY 54
5.1 Indoor/Ambient Air 54
5.2 Mercury 54
5.3 Formaldehyde 54
5.4 Asbestos 54
5.5 Radon 54
5.6 Paint Chips 55
5.7 Drinking Water 55
5.8 Soil 55
5.9 Ionizing Radiation 56
5.10 Data Gaps 56

6.0 REFERENCES 57

Figures

Figure 2-1 Naval Station Guantanamo and Location of Camp Justice 4
Figure 2-2 Camp Justice Site Map 5
Figure 2-3 Surrounding Area 8
Figure 4-1 Site Map with Investigation Areas 38

Tables

Table 2-1 Current and Former Uses of Surrounding Areas 9
Table 3-1 Environmental Investigation Sample Summary Table 12
Table 4-1 HAPSITE Screening Results 18
Table 4-2 Tentatively Identified Compounds Summary 19
Table 4-3 Weather Conditions at Naval Station Guantanamo Bay, Cuba 22
Table 4-4 Summa Canister Sample Summary 23
Table 4-5 Mercury Vapor Screening Results 25
Table 4-6 Formaldehyde Sample Summary 29
Table 4-7 Asbestos Air Sample Summary 31
Table 4-8 Radon Sample Results 32
Table 4-9 Summary of Paint Chip Samples 34
Table 4-10 Drinking Water Sample Locations 35
Table 4-11 Soil Sample Summary 40

Appendices

Appendix A Figures
Appendix B Standard Operating Procedures Table
Appendix C Photographs
- C-1 HAPSITE and Summa Locations
- C-2 Paint Chip Sample Locations
- C-3 Soil Sample Locations
- C-4 Ionizing Radiation Survey Anomaly Locations

Appendix D Field Sample Sheets
- D-1 Summa and HAPSITE Forms
- D-2 Mercury
- D-3 Soil

Appendix E Analytical Result Tables
- E-1 Summa
- E-2 Drinking Water
- E-3 Soil

Appendix F Analytical Results
- F-1 Air
- F-2 Formaldehyde
- F-3 Asbestos in Air
- F-4 Radon
- F-5 Paint Chips
- F-6 Drinking Water
- F-7 Soil

Appendix G Ionizing Radiation
Appendix H Data Validation Report

List of Acronyms and Abbreviations

µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
µR/hr	microRontgen per hour
ACGIH	American Conference of Governmental Industrial Hygienists
ACM	asbestos-containing material
AOP	Area of Operation Patriot
BEEF	Base Engineer Emergency Force
bgs	below ground surface
cc	cubic centimeter
CFR	Code of Federal Regulations
CHP	Certified Health Physicist
COC	chemical of concern
cpm	counts per minute
DDE	4,4'-dichlorodiphenyldichloroethylene
DDT	4,4'-dichlorodiphenyltrichloroethane
DoD	Department of Defense
DRO	diesel range organic
ELC	Expeditionary Legal Complex
°F	degrees Fahrenheit
GC	gas chromatograph
GRO	gasoline range organic
GTMO	Guantanamo Bay
HAA5	haloacetic acid
Hg	mercury
HVAC	heating, ventilating, and air conditioning
IAQ	Indoor Air Quality
IDW	investigation-derived waste
IH	Industrial Hygiene
JTF	Joint Task Force
L/minute	liters per minute
mg/L	milligrams per liter
mg/m^3	milligrams per cubic meter
MOC	Media Operations Center
mph	miles per hour
MS	mass spectrophotometer
MS/MSD	matrix spike/matrix spike duplicate

List of Acronyms and Abbreviations (continued)

NaI	sodium iodide
NAVFAC SE	Naval Facilities Engineering Command Southeast
Navy	United States Navy
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NMCPHC	Navy and Marine Corps Public Health Center
NS	Naval Station
OMC	Office of Military Commissions
OSHA	Occupational Safety and Health Administration
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
PEL	Permissible Exposure Limit
ppbv	part(s) per billion by volume
ppm	part(s) per million
PVC	polyvinyl chloride
PWD	Public Works Department
QA	Quality Assurance
QC	Quality Control
REL	Recommended Exposure Limit
SOP	Standard Operating Procedure
SVOC	semi-volatile organic compound
TAL	Target Analyte List
TCL	Target Compound List
TIC	tentatively identified compound
TLD	thermoluminescent dosimeters
TLV	Threshold Limit Value
TTHM	Total trihalomethanes
U.S. EPA	United States Environmental Protection Agency
VOC	volatile organic compound
WTP	Water Treatment Plant

1.0 INTRODUCTION

Resolution Consultants performed an Environmental Investigation of the Office of Military Commissions (OMC) Camp Justice, also known as Area of Operation Patriot (AOP), at Naval Station (NS) Guantanamo Bay (GTMO), Cuba. The work was conducted at the request of Naval Facilities Engineering Command Southeast (NAVFAC SE) under Comprehensive Long-term Environmental Action Navy Contract No. N62470-11-D-8013, Contract Task Order JMB5, Statement of Work Number SCSR1501 (Modification 1).

1.1 Background

In response to a complaint to the Department of Defense (DoD) Inspector General hotline, the Navy and Marine Corps Public Health Center (NMCPHC) conducted an investigation and issued a Public Health Review Report dated 21 August 2015. The NMCPHC investigation included epidemiology, industrial hygiene (IH), drinking water, and habitability surveys of OMC buildings, tents, and trailers at Camp Justice. The August 2015 report concluded, in concurrence with a 2013 NMCPHC Habitability Assessment Report, "that the buildings, tents, and trailers where people live and work are habitable for occupancy. Administrative worksites are low hazard and have little potential for overexposures to current occupational health standards." Based on those IH findings, none of the OMC personnel working in the buildings of concern were required to be enrolled in occupational medical surveillance or require occupational certification examinations (NMCPHC 2015).

Although the buildings of concern were deemed habitable, environmental records (e.g., related to environmental site assessment and monitoring such as testing air, soil, drinking water, and/or groundwater) for Camp Justice were limited. Consequently, there was insufficient evidence to address allegations of potential environmental exposures to carcinogens. The NMCPHC identified environmental data gaps and recommended additional environmental sampling to reduce uncertainty, appropriately address the complaint, and allow a human health risk assessment to be completed. The objective of conducting the Environmental Investigation was to provide environmental data to fill data gaps identified during the NMCPHC Public Health Review, and to assist the Navy with making further informed decisions regarding possible environmental exposures at Camp Justice.

1.2 Associated and Supplemental Investigations

Prior to conducting the Environmental Investigation, Resolution Consultants performed an Initial Site Visit and an Indoor Air Quality (IAQ) Assessment, which are summarized below; documentation of those activities was issued under separate cover.

1.2.1 Initial Site Visit

Resolution Consultants completed an Initial Site Visit of Camp Justice from 25 to 29 September 2015 accompanied by representatives of NMCPHC, NAVFAC SE, and NS GTMO. During the Initial Site Visit, Resolution Consultants assessed buildings, structures, operational areas, and the accessibility of shallow soils. The information obtained during the Initial Site Visit was used to refine the Environmental Investigation approach by identifying specific pathways of exposure, building exposure scenarios (i.e., residential or industrial), media to be sampled, and locations and buildings to be sampled.

The Initial Site Visit also included interviews with key NS GTMO personnel related to site access, emergency response, health and safety, equipment shipping logistics, utility clearance procedures, sampling methodology, and other issues related to the Environmental Investigation, as discussed throughout this report.

1.2.2 Indoor Air Quality Assessment

Resolution Consultants conducted an IAQ Assessment of Camp Justice from 26 to 28 September 2015 that included the following:

- Visual observations noting conditions with the potential to negatively impact IAQ.
- Observe the condition of asbestos-containing material (ACM) and lead-based paint identified during previous investigations.
- Perform real-time environmental monitoring throughout the permanent structures, Cuzcos, and tents to determine potential exposures to specific chemical or physical agents. Data collected included carbon monoxide concentrations, carbon dioxide concentrations, air flow rates, and total volatile organic compound (VOC) concentrations within the building structures. The data were collected and recorded using hand-held instruments including a photoionization detector, a dust particulate meter, and flow meters.
- Perform a limited inspection above accessible drop ceilings within Building AV-29 and Building AV-34.

Interpretation of assessment results were used to develop conclusions and recommendations, as documented in Resolution Consultants' 29 October 2015 *Indoor Air Quality Assessment Report*.

2.0 SITE SETTING

The following sections provide available information regarding the site setting for Camp Justice obtained from review of documents provided by NAVFAC SE and at NS GTMO Public Works Department (PWD), site observations, and interviews.

2.1 Location

Camp Justice is within NS GTMO, which is located in the southeast portion of Cuba at the entrance of Guantanamo Bay, 14 miles south of Guantanamo City (Figure 2-1). NS GTMO is the hub of U.S. military operations in the Caribbean Theater of Operations, providing logistics support to the United States Navy, United States Coast Guard, authorized air operations, and Joint Task Force (JTF) Guantanamo. The NS GTMO population is comprised of nearly 6,000 U.S. service members, DoD and other government civilian employees, contract employees, and family members of all groups. The NS GTMO complex is divided into two distinct areas (termed the Windward and Leeward sides) by the 2.5-mile-wide Guantanamo Bay, and covers an area of approximately 45 square miles. The active airfield is located on the Leeward side and the main base is on the Windward side. A ferry service provides transportation between the Windward and Leeward sides, across Guantanamo Bay. The land portion of NS GTMO is enclosed by a 17.4-mile-long wire perimeter fence patrolled by the United States Marine Corps Security Force Company Guantanamo Bay.

2.2 Layout

The United States Air Force 474th Expeditionary Civil Engineering Squadron, also known as Base Engineer Emergency Force (BEEF), established Camp Justice at the abandoned McCalla Airfield between 2007 and 2008. Camp Justice supports JTF GTMO by maintaining the Expeditionary Legal Complex (ELC) and OMC, and is comprised of approximately 150 structures including a courthouse, administrative support facilities, and an expeditionary lodging facility (tent city). Camp Justice has the capacity to house up to 500 personnel billeted and assigned to the OMC, security guards, journalists, and logistics, operations and maintenance staff. The following is a general discussion of uses, occupants, and areas within Camp Justice, as shown on Figure 2-2.

2.2.1 Existing Buildings

Permanent structures AV-29 (OMC Headquarters), AV-31 (Communications Bunker), and AV-34 (Old Commission Building) are on McCalla Hill, along the east side of Camp Justice. Hangar AV-32 (Media Operations Center [MOC]), the only permanent building from air operations that remains on the airstrip, is in the southeast portion of Camp Justice. Floor plans with building room numbers for permanent structures are in Appendix A; the overall location of structures is shown on Figure 2-2.



Figure 2-1
Site Location
Environmental Investigation
Office of Military Commissions - Camp Justice
Naval Station Guantanamo Bay, Cuba

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

Requested By: D. Fuehrer	Date: 12/1/2015
Drawn By: M. Senne	Task Order Number: XXXX

Google Earth Pro Imagery - 07/23/2014

N

Legend

1 inch = 100 feet

0 80 160 240 320 400 Feet

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community|Google Earth Pro Imagery - 12/1/2013

FIGURE 2-2
SITE LAYOUT
ENVIRONMENTAL INVESTIGATION
OFFICE OF MILITARY COMMISSIONS - CAMP JUSTICE
NAVAL STATION GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

H. BRAUER	DATE: 12/2/2015
DRAWN BY: M. SENNE	TASK ORDER NUMBER: JMB5

Building AV-29 has offices that are occupied by OMC permanent party personnel. Bunker AV-31 is used as a communications center for the OMC and has an open floor plan with multi-occupant areas and mechanical/electrical room. Building AV-34 houses an OMC courtroom and field intelligence offices used for overflow from the ELC since 2008.

Hangar AV-32 has individual rooms used as offices (by media and military personnel), operational and repair shops, and for storage along the east and west sides of the first and second floors; the second floor offices are accessible via doors along a mezzanine accessible by stairs. Inactive restrooms are located on both sides of the first and second floors of Hangar AV-32. Active restrooms are located in portable latrine trailers outside, south of Hangar AV-32. The northwest interior portion of the hangar is fenced and reportedly used for vehicle and maintenance chemical and equipment storage by BEEF.

2.2.2 Modular Structures/Trailers

The ELC is improved with several modular structures that house the high-security trials courtroom; OMC security, prosecution, and defense trailers; latrine, storage, and utility trailers; and defendant holding areas. When commissions are in progress, OMC civilian employees and contractors berth in Cuzcos (aka rigid walled shelters or berthing modular trailers), which were constructed in 2008 (aka Old Cuzcos) and 2012 (aka New Cuzcos) by NAVFAC contractors. Within Hangar AV-32 are three modular structures (named Public Affairs Office [PAO] 1, PAO 2, and MOC Multimedia Center) used by media during commissions. Floor plans for select modular structures, trailers, and Cuzcos are in Appendix A; the overall layout is shown on Figure 2-2.

2.2.3 Tents

During commissions, OMC civilian employees and contractors, media, and non-governmental observers present for short terms during hearings also berth in tents. Tents include latrines, laundries, showers, and office facilities. Tents also store equipment, supplies, and controls for Camp Justice power production, utilities, and heating, ventilating, and air conditioning (HVAC). The BEEF staff work in tents (operating a motor pool and conducting other activities) within Camp Justice. As shown on Figure 2-2, tents are primarily located in the central to west/southwest portion of Camp Justice.

2.2.4 Other

As an expeditionary facility, there are a number of small temporary structures, ancillary equipment, and other areas that support operations including the following.

- The north end of Runway 1-19 is used dedicated for long-term parking and parking during commissions. Additional gravel parking areas are north and west of the Cuzcos.

- Sanitary wastewater from the Old Cuzcos and latrine, shower, and laundry tents is pumped aboveground to two 20,000-gallon bladders (marked as containing non-potable-water) situated on the former asphalt runway along the southwest portion of Camp Justice. An inactive aerator is staged in the same location. Sanitary wastewater from the New Cuzcos is pumped to partially buried septic tanks.

- Non-potable water is stored in three 5,000-gallon black vertical tanks in the tent area; additional information regarding water supply to permanent structures, trailers, Cuzcos, and tents is in Section 4.3.

- Most utility piping (hard pipes, rubber hoses, etc.) within the ELC and Camp Justice area is aboveground; piping to permanent structures is below ground.

- There are several emergency power generators (including one within the ELC, one northwest of the ELC, two north of Building AV-34, one east of Building AV-29, and one south of Bunker AV-31) which have internal diesel fuel day tanks, and several electrical transformers located throughout Camp Justice. Various portable pumps are in use around latrine, shower, and laundry tents.

- CONEX boxes and metal sheds and lockers are used to store government- and contractor-owned equipment and support materials (e.g., laundry items, linens, cleaners, paper products, etc.) and privately owned equipment and belongings. Most of the sheds are in the west portion of Camp Justice, near the BEEF motor pool, and south of Hangar AV-32.

- Smoking shacks are located throughout Camp Justice and unused bus stop shelters remain along McCalla Hill Road.

2.3 Surrounding Land Use

As shown on Figure 2-3, the areas adjoining and immediately surrounding Camp Justice to the west are essentially unused. Areas to the north, east, and south are used by NS GTMO for various purposes not associated with Camp Justice operations. Table 2-1 summarizes current and historical uses of adjoining areas.

N

Legend

1 inch = 250 feet

0 200 400 Feet

Figure 2-3
Surrounding Area
Environmental Investigation
Office of Military Commissions - Camp Justice
Naval Station Guantanamo Bay, Cuba

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

Requested By: D. Fuehrer	Date: 11/12/2015
Drawn By: M. Senne	Task Order Number: XXXX

Google Earth Pro Imagery - 07/23/2014

X:\Navy\Guantanamo Bay\Fig2-3CampJustice11x17.mxd

Table 2-1
Current and Former Uses of Surrounding Areas

Direction	Distance	Current Use(s)	Historical Use(s)
North	Adjoining	Overflow parking for vehicles used during commissions and privately owned vehicle parking	Airfield runway and McCalla Airfield Camps (temporary tent housing for Operation Sea Signal)
Northwest	Adjoining, beyond Moffett Field Road	Vacant, overgrown, buildings razed with some foundations remaining	Ocean View Park residential area/base quarters; dirigible tower
Southwest	Adjoining	Vacant, overgrown with remnants of vault stairs formerly used to access underground utilities/features	Lighter-than-Air Aircraft mooring
Southwest			
South	Adjoining	Unused	Airfield runways 14-32 and 10-28
Southeast	Adjoining	Base Engineer Emergency Force/contractor Quonset huts and laydown yards	Airfield runways 14-32 and 10-28
East	Adjoining Huntingdon Road	Fire-fighter training area; appears overgrown and abandoned	Outdoor movie theater and parking
Northeast	Adjoining Building AV-34	Unused, grassy; McCalla Hill grassy hill	United States Marine Corps Monuments and United States Flag

3.0 SCOPE OF WORK

The Environmental Investigation was conducted in accordance with the *Final Work/Sampling Plan* (Resolution Consultants 2015) developed using information gathered from previous assessment reports, particularly the NMCPHC Public Health Review, and Resolution Consultants' Initial Site Visit.

The Environmental Investigation elements include chemicals of concern (COCs), potential sources for COCs, the media to which they are released, and receptors. Potential receptors include site residents, workers and occasional workers, and visitors. Site media includes indoor and outdoor air, soil, drinking water, and building materials. Based on the information available, the Environmental Investigation included the following potential COCs, sources, and release scenarios.

- Semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), gasoline range organic (GRO) and diesel range organic (DRO) compounds, polychlorinated biphenyls (PCBs), pesticides, herbicides, and metals in soil, which may have been released from engine combustion, fuel spills, aboveground and underground storage tanks and associated pipe systems, transformers, paint, and historical pesticide/herbicide applications.

- Total trihalomethanes (TTHM), haloacetic acid (HAA5), total coliform, and residual chlorine as degradation products in drinking water.

- Common drinking water contaminants associated with distribution system piping/soldering (e.g., lead, copper).

- Radon gas in indoor air from underlying bedrock.

- Formaldehyde from building materials in modular structures and trailers, and in ambient air.

- Mercury vapor from seams in floor tile or other sources within the former dental surgery/clinic in Building AV-29.

- PCBs in building paint in Hangar AV-32.

- Ionizing radiation in Hangar AV-32.

- Asbestos in air from ACM in Buildings AV-29 and AV-34, Bunker AV-31, and Hangar AV-32.

One of the key components that factors into exposure pathways is the construction and setting for site buildings. This includes structural components (e.g., heating and cooling systems, crawl spaces, and foundations), resulting air flow in and out of the building, and building use and proximity to potential contaminant sources. Based on available information, exposures pathways included inhalation of vapors and particulates, incidental soil ingestion, dermal exposure to solids (e.g., soil, particulates, building materials), and ingestion of drinking water.

Environmental investigation activities focused on field screening various media in select buildings, temporary structures, and other areas, and collection of samples for offsite laboratory analysis. Buildings and areas sampled are shown on figures in Appendix A. Table 3-1 provides a summary of the locations/buildings sampled and the media, types, and number of samples collected and analyzed. A table listing standard operating procedures (SOPs) used to complete field tasks is in Appendix B.

Resolution Consultants conducted Environmental Investigation activities in accordance with health and safety plans submitted as attachments to the *Final Sampling/Work Plan* (Resolution Consultants 2015). Those documents, an *Accident Prevention Plan* and a *Site Safety and Health Plan*, were developed in accordance with the Engineering Manual 385-1-1 (U.S. Army Corps of Engineers 2008), and detailed specific safety considerations for fieldwork associated with the Environmental Investigation.

Table 3-1
Environmental Investigation Sample Summary Table
Office of Military Commissions – Camp Justice, Naval Station Guantanamo Bay, Cuba

	Field Screening Samples			Offsite Laboratory Samples						
Building	**Air (HAPSITE)**	**Mercury Vapor Screening**	**Ionizing Radiation**	**Air Summa Canister VOCs**	**Air Formaldehyde**	**Radon**	**Water TTHM, HAA5, lead, copper ***	**PAINT CHIPS PCBs only**	**Air Asbestos**	**SOIL TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals and TPH**
AV-29	24	60	0	2	1	2	2	0	5	0
	- Every other room	- All Rooms first floor, selected rooms on second floor; 1-4 readings per room		- first floor from each wing		- first floor from each wing	- 1 from 1st floor bathroom		2 from 1st floor	
							- 1 from 2nd floor bathroom		2 from 2nd floor 1 from DV room	
AV-32 Hangar	4	0	All Rooms	4	3	1	2	3	3	0
				-1 from each modular trailer -1 from media room in hangar	-1 from each modular room trailer	- media room in hangar	- 1 kitchen media room		1 from inside media room 1 each from mezzanine and main floor	
							-LPH outside			
AV-34	17	0	0	5	0	2	2	0	4	0
	- Every other room			- Courtroom - 1		-1 basement	- 1 from 1st floor bathroom		2 from 1st floor 2 from 2nd floor	
				-Wings - 2		-1 crawl space	- 1 from 2nd floor bathroom			
				-Basement -1						
				-Crawl Space - 1						
AV-31 (bunker)	First Floor		0	1	0	1	0	0	1	
ELC ***	23	0	0	6	8	0	1	0	0	0
CUZCOS	0	0	0	0	16	0	8	0	0	0
					- 2 from each row of trailers		- 1 from each row of trailers			
							- 4 from each group on and off asphalt			
TENTS	15	0	0	14	0	0	2	0	0	0
							- 1 shower			
							- 1 latrine			
Total	**83 ***	**60**	**scan**	**32 ***	**28 ***	**6**	**17 ***	**3**	**13 ***	**60****

Table continued on next page

Table 3-1
Environmental Investigation Sample Summary Table
Office of Military Commissions – Camp Justice, Naval Station Guantanamo Bay, Cuba

	Field Screening Samples			Offsite Laboratory Samples						
Building	**Air (HAPSITE)**	**Mercury Vapor Screening**	**Ionizing Radiation**	**Air Summa Canister VOCs**	**Air Formaldehyde**	**Radon**	**Water TTHM, HAA5, lead, copper ***	**PAINT CHIPS PCBs only**	**Air Asbestos**	**SOIL TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals and TPH**
***** = ELC (details)**										
ELC 1	1	0		1	0	0	0	0	0	0
Portable Head	0	0		0	0	0	1	0	0	0
ELC 3	All (12)	0		2	1	0	0	0	0	0
ELC 4	All (5)	0		1	1	0	0	0	0	0
ELC 2	1	0		1	1	0	0	1	0	0
ELC 5	1	0		1	1	0	0	0	0	0
ELC 8	1	0		0	1	0	0	0	0	0
ELC 11	0	0		0	1	0	0	0	0	0
ELC 29	1	0		0	1	0	0	0	0	0
ELC 30	1	0		0	1	0	0	1	0	0
Total ELC	**23**	**0**	**scan**	**6**	**8**	**0**	**1**	**0**	**0**	**0**

Notes:
* = Water samples were field screened for total coliform and residual chlorine.
ELC = Expeditionary Legal Complex
TCL = target compound list
TTHM = total trihalomethanes
TAL = target analyte list
HAA5 = haloacetic acids
SVOC = semivolatile organic compound
PCB = polychlorinated biphenyls
VOC = volatile organic compound
TPH = Total Petroleum Hydrocarbons (GRO/DRO)
** Soil sample locations were determined in the field. Many of the nodal points depicted were under hard surfaces and were not sampled. Number does not include duplicates or MS/MSDs.
a = Does not include duplicate or background/outdoor sample(s) and blanks collected.

4.0 ENVIRONMENTAL INVESTIGATION

Resolution Consultants mobilized to the site on 9 October 2015 and conducted sampling activities through 15 October 2015. A field crew of six personnel comprised of geologists, a chemist, and environmental scientists performed field screening and collected soil, air, drinking water, and paint samples for offsite laboratory analyses. In addition, a Certified Health Physicist (CHP) mobilized to the site on 13 October 2015 and conducted an Ionization Radiation Survey, which is discussed in Section 4.5.

This section identifies sample dates and locations, presents field and analytical laboratory results, and discusses data validation, generation and disposal of investigation-derived waste (IDW), and other activities associated with the Environmental Investigation. All sample locations are shown on figures as referenced in the following subsections. Photographs of representative Summa, HAPSITE, and mercury sample locations and all soil sample locations are included in Appendix C. The sample location maps, included in Appendix A, are based on existing floor plans and hand-drawn maps created during sampling and from log books and field sample sheets (included in Appendix D).

4.1 Air Sampling

Air sampling performed across Camp Justice employed a field screening HAPSITE gas chromatograph/mass spectrometer (GC/MS) for semi-quantitative analysis on a broad scale throughout buildings, Cuzcos, and tents, and Summa canisters deployed in designated indoor spaces for offsite laboratory analysis. A total of 83 locations screened across Camp Justice are summarized below.

4.1.1 HAPSITE Screening

The principal purpose of HAPSITE screening was to provide real-time vapor-phase field analytical results for select VOCs in indoor air locations and to supplement laboratory analysis from samples collected in Summa canisters. The HAPSITE provides two analytical options: survey mode (qualitative) and full-scan analyze mode (quantitative). The quantitative mode was used during the Environmental Investigation.

4.1.1.1 Calibration

The HAPSITE instrument was calibrated prior to field arrival using an initial 5-point calibration for 14 VOCs: vinyl chloride, 1,1-dichloroethene, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, 1,1,1-trichloroethane, carbon tetrachloride, benzene, trichloroethene, toluene, tetrachloroethene, ethylbenzene, meta- and para-xylene, and ortho-xylene. The calibration

range established for the instrument was 0.5 to 50 parts per billion by volume (ppbv); conversion to report concentrations in micrograms per cubic meter (µg/m^3) yielded calibrations ranges between 1.6 and 345 µg/m^3 depending on the molecular weight of the chemical, as shown below.

Compound	Molecular Weight	HAPSITE Calibration Range (micrograms per cubic meter)
Vinyl Chloride	62.05	1.3 — 129
1,1-Dichloroethene	96.94	2 — 201
trans-1,2-Dichloroethene	96.94	2 — 201
1,1-Dichloroethane	98.96	2.1 — 206
cis-1,2-Dichloroethene	96.94	2 — 201
1,1,1-Trichloroethane	133.41	2.8 — 277
Carbon Tetrachloride	152	3.2 — 316
Benzene	78	1.6 — 162
Trichloroethene	131.39	2.7 — 273
Toluene	92	1.9 — 191
Tetrachloroethene	165.83	2.4 — 345
Ethylbenzene	106	2.2 — 220
Meta- and para-Xylene	106	2.2 — 220
ortho-Xylene	106	2.2 — 220

Each day prior to indoor air sampling, the MS was tuned using the HAPSITE's auto-tune function. Next, the initial 5-point calibration was verified using a 5-ppbv standard prepared onsite by injecting small quantities of neat chemicals into a 1-liter Tedlar bag followed by subsequent dilutions to the 5-ppbv range using additional 1-liter Tedlar bags.[1] Once the auto-tune and calibration verifications were complete, a method blank collected from outdoor (ambient) air near Cuzcos 50A and 50B was analyzed to establish background conditions and a baseline for the day.

4.1.1.2 Sample Collection

Indoor air samples were collected for HAPSITE analysis on 11, 13, and 14 October 2015. Air samples were collected for approximately 2 minutes from approximately 3 to 5 feet above the floor (the estimated breathing zone of a hypothetical adult resident or worker). Where co-located with Summa canisters, HAPSITE samples were collected from the same general location the Summa canister was deployed within each room. HAPSITE sample locations are described below and are shown on Figures 1 through 7 and 10 in Appendix A.[2] Photographs of HAPSITE sample locations are in Appendix C-1.

[1] Three neat calibration chemicals (1,1-dichloroethene, carbon tetrachloride, and tetrachloroethene) evaporated in transit or while in the field; therefore, the initial 5-point calibration could not be verified on all monitoring days. However, the HAPSITE was still able to detect those chemicals because of the initial 5-point calibration.
[2] Sample location maps do not show method blanks.

Tents

Twelve tents (10 used for berthing, one for storage, and one for laundry) were chosen based on their spatial distribution on the former runway.[3] The tents are fabric tension structures manufactured by Alaska Structures, Inc. The tent structures are comprised of a lightweight aluminum frame wrapped in a polyvinyl chloride (PVC) fabric material. The PVC fabric is coated with powder to increase durability and product life by improving resistance to humidity, salt, oxidation, and humidity. There were no apparent influences to air quality from chemicals evolving from the tent materials based on a review of product specifications supplied on the manufacturer's website. Most of the tents were partitioned with plywood and 2- to 4-inch wood studs; the floors were plywood on a wooden frame. HVAC units that recirculated indoor air were in use at the time of sample collection and were generally located at the opposite end of the entrance (door).

Hangar AV-32

One HAPSITE sample (MMR01) was collected from Media Room #4 (an office) in Hangar AV-32. The other three HAPSITE locations (MMP, MM01, and MM02) were in free-standing modular structures (Multi-Media Center, PAO 1, and PAO 2) within the hangar. The units consisted of offices and meeting rooms and all had HVAC systems in operation at the time of sampling.

Building AV-34

Building AV-34 included offices, a court room, and holding cells. Every other first-floor room was sampled for HAPSITE analysis.[4]

Bunker AV-31

One HAPSITE sample was collected in the office area of Bunker AV-31. Multi-occupancy office space and storage areas were on either side of the office area.

Building AV-29

Building AV-29 was used for offices and storage. Every other first-floor room was sampled for HAPSITE analysis.[3]

[3] An air sample could not be collected for HAPSITE analysis in one designated sampling location (Tent L1) because it didn't contain a power source.

[4] The HAPSITE sampling locations were determined in the field based on access, availability, and time. Initially, all first floor rooms were to be sampled for HAPSITE analysis, which was not feasible due to time constraints.

ELC

Samples were collected from nine structures (ELC 1, ELC 2, ELC 3, ELC 4, ELC 5, ELC 8, ELC 11, ELC 29, and ELC 30) that had modular skirts or were in direct contact with the ground surface within the ELC.[5]

4.1.1.3 Screening Results

Calibrated Compounds

Table 4-1 provides HAPSITE screening results for calibrated compounds, which are summarized by location below.

- **Tents —** No concentrations above the minimum calibration range for any of the tent locations.
- **Hangar AV-32 —** Benzene was detected in the MOC Multi-Media Center at 2.95 µg/m^3. Toluene was detected in PAO 1 and PAO 2 at 2.12 µg/m^3 and 4.85 µg/m^3, respectively. Also detected in PAO 2 was meta- and para-xylene at 2.64 µg/m3.
- **Building AV-34 —** Toluene was detected in nearly every location with concentrations ranging from 2.75 µg/m^3 in Room 8 to 4.81 µg/m^3 in Room 3.[6] Toluene was not detected in Room 11.
- **Bunker AV-31 —** Toluene was detected at 16.8 µg/m^3.[6]
- **Building AV-29 —** Toluene was detected at two locations: 2.01 µg/m^3 (Room 13) and 3.83 µg/m^3 (Room DV).
- **ELC —** Toluene was detected at 2.28 µg/m^3 in ELC 5 and 6.59 µg/m^3 at ELC 29.[6] Also detected in ELC 29 was 4.25 µg/m^3 meta- and para-xylenes.

[5] Some of the pre-determined sampling locations (as described in the *Final Work/Sampling Plan*) could not be accessed due to JTF security restrictions and were not included in this survey.
[6] The method blank analyzed on 13 October 2015 contained 2.05 µg/m^3 toluene.

Table 4-1
HAPSITE Screening Results
(Results presented in micrograms per cubic meter)

Sample ID	Location	Sample Date and Time	Benzene	Toluene	meta and para-Xylene
METHOD BLANK	Near Cuzcos	11-Oct-15 09:12	—	—	—
AV32IAHSMMP01	South of the center of the Multi-Media Center	11-Oct-15 14:30	2.95	—	—
AV32IAHSMM0101	Center of the Public Affairs Office 1	11-Oct-15 14:47	—	2.12	—
AV32IAHSMM0201	Center of the Public Affairs Office 2	11-Oct-15 15:06	—	4.85	2.64
METHOD BLANK	Near Cuzcos	13-Oct-15 10:06	—	2.05	2.66
[redacted]	[redacted]	13-Oct-15 14:01	—	3.11	—
AV34IAHSCR1	Center of Court Room #1 near defense desk in Building AV-34	13-Oct-15 14:17	—	4.20	—
AV34IAHSR03	Central area of Room 3 in Building AV-34	13-Oct-15 14:34	—	4.81	—
AV34IAHSR13	South portion of Room 13 in Building AV-34	13-Oct-15 14:50	—	2.98	—
AV34IAHSR06	Center of Room 6 in Building AV-34	13-Oct-15 15:14	—	3.16	—
AV34IAHSR08	Center of Room 8 in Building AV-34	13-Oct-15 15:31	—	2.75	—
AV31IAHSR1	Center of Room 1 (office) in Bunker AV-31	13-Oct-15 16:09	—	16.8	—
ELCIAHSSSO	Middle of Expeditionary Legal Complex 5	13-Oct-15 17:02	—	2.28	—
METHOD BLANK 1	Near Cuzcos	14-Oct-15 08:11	—	—	—
METHOD BLANK 2	Near Cuzcos	14-Oct-15 08:28	—	—	—
AV29IAHSRM13	Center of Room 13 in Building AV-29	14-Oct-15 10:33	—	2.01	—
AV29IAHSRMDV	Center of Room DV near conference table in Building AV-29	14-Oct-15 11:59	—	3.83	—
ELCIAHSELC29	On office side of Expeditionary Legal Complex 29	14-Oct-15 16:04	—	6.59	4.25
		Lower Calibration Limit	**1.62**	**1.91**	**2.20**

Notes:
The following calibrated chemicals were not detected: vinyl chloride, 1,1-dichloroethene, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1-,2-dichloroethene, 1,1,1-trichloroethene, carbon tetrachloride, benzene, trichloroethene, toluene, tetrachloroethene, ethylbenzene, meta- and para-xylene, and ortho-xylene.
— = Not detected above the lower calibration limit.

Tentatively Identified Compounds

When additional peaks were observed in sample results, their identities were tentatively identified using the mass spectrum and National Institute of Standards and Technology (NIST) reference database software. Tentatively identified compounds (TICs) are those which can be detected but concentrations cannot be confirmed without additional standardization and testing. TICs may be presumptively identified using the NIST library compound search, but the concentration cannot be provided without running a known standard of the tentatively matched compound. Table 4-2 provides a summary of TICs detected during HAPSITE screening and potential sources and/or uses. Of the numerous TICs detected, many can be attributed to disinfectants, cleaners, and fragrance products, which were observed in the work spaces during HAPSITE screening.

Table 4-2
Tentatively Identified Compounds Summary

Tentatively Identified Compound	CAS Number	Suspected Chemical Use	Locations Detected
(-)-cis-Myrtanylamine	38235-68-6	Unknown	AV32IAHSMM0201
1,1-Difluoroethane	75-37-6	Refrigerant, aerosol propellant	AV31IAHSR1, ELCIAHSPTR102, ELCIAHSPTR103
1,3-Dioxolane, 2,2,4-trimethyl-	1193-11-9	Flavoring, fragrance	AV34IAHSR06, AV34IAHSR11, AV34IAHSR13
1-Butanol, 2-methyl	137-32-6	Solvent used in lubricants, plasticizers, oils, and paints	TENTIAHSD1101
1-Hexanol, 2-ethyl-	104-76-7	resin plasticizer, solvent for paints, inks, dry cleaning	AV32IAHSMM0201
2-Butanone	78-93-3	Solvent, paints, lacquers, paint thinners, adhesives, cements, sealants, metal degreaser, sterilizer	ELCIAHSSSO
2-Butene, 2-methyl-	513-35-9	Octane additive	TENTIAHSD1101
2-Oxepanone	502-44-3	Solvent, adhesives, coatings, resins, elastomers, synthetic fibers	AV34IAHSR08
Acetone	67-64-1	Solvent in waxes, rubbers, plastics, laquers, rubber cement, cosmetics	AV34IAHSR06, AV34IAHSR08, AV34IAHSR11
a-Pinene	80-56-8	Fragrance, cleaning chemical	AV29IAHSRMDV, AV32IAHSMM0101, AV34IAHSR06, AV34IAHSR11, ELCIAHSELC29
Benzene, 1,2,3-trimethyl-	526-73-8	Solvent, perfume and dye manufacturing, fragrance	ELCIAHSELC29
Benzene, 1-ethyl-3,5-dimethyl	934-74-7	Unknown	AV34IAHSR03

Table 4-2
Tentatively Identified Compounds Summary

Tentatively Identified Compound	CAS Number	Suspected Chemical Use	Locations Detected
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	Solvent, resin, metal polishes	AV34IAHSR06, ELCIAHSELC29
Cyclohexane, 1-methylene-4-(1-methylvinyl)-	499-97-8	Fragrance, cleaning chemical	ELCIAHSDTR103, ELCIAHSDTR107
Cyclopentane	287-92-3	Solvent for cellulose, motor fuel, insecticides	
Decane	124-18-5	solvent, engine fuels	AV34IAHSR13
D-Limonene	5989-24-5	Fragrance, cleaning chemical	AV29IAHSRMDV, AV34IAHSR03, AV34IAHSR06, AV34IAHSR11, AV34IAHSR13, ELCIAHSDTR101, ELCIAHSDTR103, ELCIAHSDTR107, ELCIAHSELC29, ELCIAHSSSO
Ethanol	64-17-5	Fragrance, cleaning chemical, octane booster, solvent, hand sanitizer	AV31IAHSR1, AV32IAHSMM0201, AV34IAHSR06, AV34IAHSR08, AV34IAHSR11, AV34IAHSR13, ELCIAHSDTR101, ELCIAHSDTR105, ELCIAHSSSO, TENTIAHSC1301, TENTIAHSD1101
Ethyl Acetate	141-78-6	Solvent for adhesives, lacquer, varnishes, and foods	AV34IAHSR13, TENTIAHSD1101
Furfural	98-01-1	Alcohol, resins, rubber, flavoring, petroleum oils, varnishes	AV34IAHSR11
Hexanal	66-25-1	Flavor food additive, fragrance	AV32IAHSMM0201, AV34IAHSR06, AV34IAHSR08, AV34IAHSR11, AV34IAHSR13, ELCIAHSDTR100, ELCIAHSDTR101, ELCIAHSDTR103, ELCIAHSDTR107, TENTIAHSD1101
Isopropyl alcohol	67-63-0	Solvent, shellac, inks, quick drying oils and inks, antifreeze, hand lotions, cosmetics	AV29IAHSRMDV
Limonene	138-86-3	Fragrance, cleaning chemical	AV32IAHSMM0101, AV32IAHSMM0201, AV32IAHSMR01, AV34IAHSR08, ELCIAHSDTR100, ELCIAHSDTR105
Nonanal	124-19-6	Fragrance	AV32IAHSMM0101, ELCIAHSDTR101, ELCIAHSDTR103, TENTIAHSC1001, TENTIAHSD1101
Nonane	111-84-2	Biodegradable detergents, fuel additive, paraffin products, rubber industry, paper processing	AV34IAHSR13

Table 4-2
Tentatively Identified Compounds Summary

Tentatively Identified Compound	CAS Number	Suspected Chemical Use	Locations Detected
Petroleum hydrocarbon signature peaks	not applicable	Fuels	AV31IAHSR1
Phenol	108-95-2	Disinfectant, plastics and nylon precursor	AV32IAHSMM0201, AV34IAHSR13, TENTIAHSA1301, TENTIAHSB1401, TENTIAHSC1301, TENTIAHSD1101
Pinene, (1R)-(+)-Alpha-	7785-70-8	Fragrance, cleaning chemical	AV29IAHSRMDV, AV32IAHSMM0201, AV32IAHSMR01, AV34IAHSCR1, [redacted] AV34IAHSR03, AV34IAHSR06, AV34IAHSR08, AV34IAHSR11, AV34IAHSR13, ELCIAHSDTR100, ELCIAHSDTR101, ELCIAHSDTR103, ELCIAHSDTR105, ELCIAHSDTR106, ELCIAHSDTR107, ELCIAHSELC29
Propylene Oxide	75-56-9	Solvent, surfactant, fumigant	AV32IAHSMM0201
Styrene	100-42-5	Plastics, resins, rubber, insulator, flavoring agent, dental filling component	AV34IAHSCR1, [redacted] AV34IAHSR03, AV34IAHSR06, AV34IAHSR08, AV34IAHSR11, AV34IAHSR13

4.1.2 Summa Canisters

Summa canisters were used to collect representative air samples from indoor and outdoor air. The outdoor air samples were collected to evaluate ambient conditions and to help assess if contaminants are potentially migrating indoors from outside/offsite sources. As shown on Figures 1 through 6 and 10 in Appendix A, 32 indoor air samples, 2 outdoor (ambient) air samples, and 3 field duplicate samples were collected using Summa canisters. A 24-hour collection period was assumed for industrial and residential exposures to assess a more conservative scenario and to account for long work days.

A summary of the weather conditions leading up to and during the sampling event are shown in Table 4-3. Weather conditions throughout the sampling event were relatively consistent. On most days, the prevailing wind directions were from the south from 10:00 to 24:00 and from the north from 24:00 to 10:00.

Table 4-3
Weather Conditions at Naval Station Guantanamo Bay, Cuba

Date — Time	Temperature (°F)	Percent Humidity	Wind Direction (From the)	Wind Speed (mph)	Barometric Pressure (inches of Hg)
9 Oct 15 — 11:56	91.9	66	Southeast	15.0	29.98
10 Oct 15 — 11:56	91.0	61	Southeast	12.7	29.98
11 Oct 15 — 11:56	88.0	65	South	5.8	29.95
12 Oct 15 — 11:56	90.0	65	South-Southeast	6.9	29.98
13 Oct 15 — 11:56	88.0	63	North	6.9	29.98
14 Oct 15 — 11:56	91.0	66	Southeast	12.7	29.98
15 Oct 15 — 11:56	91.9	58	East-Southeast	11.5	29.96

Notes:
°F = degrees Fahrenheit
mph = miles per hour
Hg = mercury
Weather Conditions retrieved from: Weather Underground (www.wunderground.com)

4.1.2.1 Sample Locations

Summa canisters were deployed in Hangar AV-32 and select tents on 10 October and retrieved on 11 October 2015. An ambient outdoor air canister (AV32IASMBKD) was placed south southeast of Hangar AV-32 on an out-of-service bus shelter bench, upwind of the hangar and tent area.

Summa canisters were also deployed in Bunker AV-31, Hangar AV-32, Building AV-34, and various modular structures inside the ELC on 13 October and retrieved on 14 October 2015. An ambient outdoor air canister (AV34IASMBKD) was placed north-northwest of Building AV-34, upwind of Building AV-29, Building AV-34, and the ELC.

4.1.2.2 Sample Collection

Prior to deploying Summa canisters, the HVAC systems at each location were operating at occupation levels. Potential sources of VOCs observed during the Summa canister deployment were noted on field sample sheets (Appendix D). Common sources noted were cleaning agents, hand sanitizers, aerosols, and air fresheners.[7] Photographs of select Summa canister sample locations are in Appendix C-1.

[7] During a break period between canister deployments, samplers noted a potential volatile source: gasoline leaking from a Gator utility vehicle parked next to the ELC Colorado Gate 7.

The 6-liter individually certified clean Summa canisters and corresponding regulators/flow control valves (provided and preset by Air Toxics, Ltd.) were used to control the canister inflow rate and allow for each sample to be collected over an approximately 24-hour period. The intake of each canister was maintained at 3 to 5 feet above the ground or floor (within the breathing zone). The starting vacuum readings were recorded from the vacuum gauges and the canister valves were opened to allow the sampling period to begin. At sample completion, the valves were closed, the ending vacuum readings were recorded for each canister, and the caps were replaced. Each canister was labeled with an individual sample identification number. Table 4-4 lists sample identification numbers, sample locations, canister pressures, and sample dates and times.

Table 4-4
Summa Canister Sample Summary

Sample ID	Location	Beginning Date and Time	End Date and Time
AV32IASMMR	AV-32 Multi-Media Center	10 Oct 15 11:36	11 Oct 15 11:36
AV32IASMMP	AV-32 Multipurpose Room	10 Oct 15 11:41	11 Oct 15 11:51
AV32IASMM01	AV-32 Media Operations Room 1	10 Oct 15 11:45	11 Oct 15 10:30
AV32IASMM02	AV-32 Media Operations Room 2	10 Oct 15 11:50	11 Oct 15 11:55
AV32IASMBKD	AV-32 Ambient Outdoor Air (nearby bus shelter)	10 Oct 15 12:10	11 Oct 15 12:14
TENTIASMCI	Tent C1	10 Oct 15 16:20	11 Oct 15 16:29
TENTIASMLI	Tent L1/Latrine	10 Oct 15 16:30	11 Oct 15 16:33
TENTIASMSI	Tent S1/Shower	10 Oct 15 16:34	11 Oct 15 16:37
TENTIASMA2	Tent A2	10 Oct 15 16:45	11 Oct 15 16:45
TENTIASMB2	Tent B2	10 Oct 15 16:48	11 Oct 15 16:48
TENTIASMDI	Tent D1	10 Oct 15 16:57	11 Oct 15 15:48
TENTIASMC7	Tent C7	10 Oct 15 17:10	11 Oct 15 13:56
TENTIASMA9	Tent A9	10 Oct 15 17:19	11 Oct 15 17:19
TENTIASMS3	Tent S3/Shower	10 Oct 15 17:25	11 Oct 15 17:25
TENTIASMD10	Tent D10	10 Oct 15 17:32	11 Oct 15 14:02
TENTIASMC13	Tent C13	10 Oct 15 17:45	11 Oct 15 18:44
TENTIASMC13-D	Tent C13/Field Duplicate	10 Oct 15 17:45	11 Oct 15 18:44
TENTIASMD11	Tent D11	10 Oct 15 17:52	11 Oct 15 17:52
TENTIASMB14	Tent B14	10 Oct 15 17:56	11 Oct 15 17:57
TENTIASMA13	Tent A13	10 Oct 15 18:01	11 Oct 15 15:23
AV31IASM01	AV-31/Bunker	13 Oct 15 8:40	14 Oct 15 9:37
AV34IASMCR	AV-34 Court Room	13 Oct 15 9:30	14 Oct 15 9:50
AV34IASMHWY1N	AV-34 1st floor hallway north end	13 Oct 15 9:38	14 Oct 15 13:38
AV34IASMHWY1S	AV-34 1st floor hallway south end	13 Oct 15 9:43	14 Oct 15 13:43
AV34IASMBKD	AV-34 Ambient Outdoor Air Sample	13 Oct 15 9:48	14 Oct 15 10:00

Table 4-4
Summa Canister Sample Summary

Sample ID	Location	Beginning Date and Time	End Date and Time
ELCIASMBL5	Expeditionary Legal Complex Building 5	13 Oct 15 11:18	14 Oct 15 11:44
ELCIASMBL1	Expeditionary Legal Complex Building 1	13 Oct 15 11:24	14 Oct 15 11:24
ELCIASMBL2	Expeditionary Legal Complex Building 2	13 Oct 15 11:38	14 Oct 15 14:33
ELCIASMBL2D	Expeditionary Legal Complex Building 2/Duplicate	13 Oct 15 11:38	14 Oct 15 14:33
ELCIASMBL3107	Expeditionary Legal Complex Building 3 Room 107	13 Oct 15 11:40	14 Oct 15 14:40
ELCIASMBL3100	Expeditionary Legal Complex Building 3 Room 100	13 Oct 15 11:42	14 Oct 15 11:50
ELCIASMBL4MR	Expeditionary Legal Complex Building 4 Main Room	13 Oct 15 11:45	14 Oct 15 14:45
AV34IASMB	AV-34 Basement	13 Oct 15 13:30	14 Oct 15 15:08
AV34IASMCS	AV-34 Crawl Space	13 Oct 15 13:55	14 Oct 15 15:15
AV29IASMHWY1S	AV-29 1st floor hallway south end	10/13/15 14:10	14 Oct 15 15:29
AV29IASMHWY1SD	AV-29 1st floor hallway south end/Duplicate	13 Oct 15 14:10	14 Oct 15 14:18
AV29IASMHWY1N	AV-29 1st floor hallway north end	13 Oct 15 14:21	14 Oct 15 15:33

4.1.2.3 Analytical Results

Sample containers were submitted to Air Toxics, where they were analyzed for VOCs using United States Environmental Protection Agency (U.S. EPA) Method TO-15 SIM. Tables in Appendix E-1 summarize the Summa canister sampling results. The Air Toxics laboratory report is included in Appendix F.

Results indicate the presence of low-level concentrations of VOCs in both indoor and ambient air samples. Benzene was detected at a more elevated concentration (when compared to other Summa samples) in the Hangar AV-32 MOC Multi-Media Center, which may be attributed to exhaust in ambient air from vehicles entering and parking inside the hangar. Benzene was also detected in the HAPSITE sample collected from this modular structure. In addition, the concentrations of benzene and carbon tetrachloride (which were similar in all air samples collected) are within the range of values typically attributable to ambient background concentrations of those VOCs.[8,9]

4.1.3 Mercury Vapor Screening

Mercury vapor screening was conducted in Building AV-29 because a portion of the building was historically used as a dental surgery/clinic and the potential exists for mercury (which was historically

[8] Toxicological Profile for Carbon Tetrachloride, pp. 13, 179. Agency for Toxic Substances and Disease Registry (August 2005).
[9] Toxicological Profile for Benzene, pp. 265-269. Agency for Toxic Substances and Disease Registry (August 2007).

used in fillings) to have been released inside the building. Mercury vapor screening was completed on 14 October 2015.

4.1.3.1 Sample Locations

All first floor rooms inside Building AV-29 were evaluated by screening air at the floor surface to aid in locating and evaluating for the presence of historical mercury spills. All readings were documented with sketches showing the sample locations in the field log book; sample locations are replicated on Figures 11 and 12 in Appendix A.

4.1.3.2 Sample Collection

Indoor air screening for mercury vapor was conducted using a Jerome J405 Mercury Vapor Analyzer. The mercury vapor analyzer works by drawing a precise amount of air across a thin gold film. The mercury interacts with the gold, altering its resistance to the sensor. The change in resistance is proportionate to the mercury concentration in the environment. The Jerome J405 instrument's measurement range is 0.001 to 0.999 milligrams per cubic meter (mg/m^3). A maximum of four readings were collected from each room.

4.1.3.3 Screening Results

Table 4-5 lists sample identification numbers, sample locations, times, and mercury readings. Low-level mercury vapors were detected in the following locations: lobby, DV Room, and Rooms 2, 3, 10, 15, 16, 17, 28, and 35. The detections may be related to residual elemental mercury from the dental amalgams. The American Conference of Governmental Industrial Hygienists (ACGIH) 8-hour Threshold Limit Value (TLV) for elemental mercury is 0.025 mg/m^3. The National Institute for Occupational Safety and Health (NIOSH) 8-hour Recommended Exposure Limit (REL) is 0.05 mg/m^3 and Occupational Safety and Health Administration (OSHA) 8-hour Permissible Exposure Limit (PEL) is 0.1 mg/m^3. Detections ranged up to 0.006 mg/m^3, which is well below the referenced occupational limits.

Table 4-5
Mercury Vapor Screening Results

Sample ID	AV-29 Room	Location	Sample Time	Mercury Reading (mg/m^3)
Not Applicable	Lobby	Center	08:57	0.006
AV29IAHGRM23-1	23	Southwest Corner	09:17	0.002
AV29IAHGRM23-2		Northwest Corner	09:17	0.001
AV29IAHGRM23-3		Southeast Corner	09:18	0.000
AV29IAHGRM23-4		Northeast Corner	09:18	0.000

Table 4-5
Mercury Vapor Screening Results

Sample ID	AV-29 Room	Location	Sample Time	Mercury Reading (mg/m^3)
AV29IAHGRM22-1	22	Southwest Corner	09:19	0.000
AV29IAHGRM22-2		Northwest Corner	09:19	0.000
AV29IAHGRM22-3		Southeast Corner	09:20	0.000
AV29IAHGRM22-4		Northeast Corner	09:20	0.000
AV29IAHGRM24-1	24	Southwest Corner	09:22	0.000
AV29IAHGRM24-2		Northwest Corner	09:22	0.000
AV29IAHGRM24-3		Southeast Corner	09:23	0.000
AV29IAHGRM24-4		Northeast Corner	09:24	0.000
AV29IAHGRM2-1	2	Northeast Corner near old electric plug	09:32	0.005
AV29IAHGRM2-2		Southeast Corner under sink	09:32	0.002
AV29IAHGRM2-3		Southwest Corner	09:32	0.001
AV29IAHGRM2-4		Northwest Corner	09:33	0.000
AV29IAHGRM3-1	3	Northeast Corner near covered plug	09:35	0.006
AV29IAHGRM3-2		Southeast Corner former sink area	09:35	0.000
AV29IAHGRM3-3		Southwest Corner	09:35	0.000
AV29IAHGRM3-4		Northwest Corner	09:35	0.000
AV29IAHGRM4-1	4	Northeast Corner (Carpeted)	09:38	0.000
AV29IAHGRM4-2		Southeast Corner (Carpeted)	09:38	0.000
AV29IAHGRM4-3		Southwest Corner (Carpeted)	09:38	0.000
AV29IAHGRM4-4		Northwest Corner (Carpeted)	09:38	0.000
AV29IAHGRM5-1	5	Northeast Corner	09:48	0.000
AV29IAHGRM5-2		Southeast Corner	09:48	0.000
AV29IAHGRM5-3		Southwest Corner	09:48	0.000
AV29IAHGRM5-4		Northwest Corner	09:48	0.000
AV29IAHGRM6-1	6	Northeast Corner under sink	09:50	0.000
AV29IAHGRM6-2		Southeast Corner	09:50	0.000
AV29IAHGRM6-3		Southwest Corner adjacent to hot water heater	09:50	0.000
AV29IAHGRM6-4		Northwest Corner	09:50	0.000
AV29IAHGRM9-1	9	Northeast Corner	09:53	0.000
AV29IAHGRM9-2		Southeast Corner	09:53	0.000
AV29IAHGRM9-3		Southwest Corner	09:53	0.000
AV29IAHGRM9-4		Northwest Corner	09:53	0.000
AV29IAHGRM8-1	8	Northeast Corner	10:00	0.000
AV29IAHGRM8-2		Southeast Corner	10:00	0.000
AV29IAHGRM8-3		Southwest Corner	10:00	0.000
AV29IAHGRM8-4		Northwest Corner	10:00	0.000
AV29IAHGRM10	10	Paper Supply Closet	10:07	0.005
AV29IAHGRM12-1	12	Northeast Corner	10:11	0.000
AV29IAHGRM12-2		Southeast Corner	10:11	0.000
AV29IAHGRM12-3		Southwest Corner	10:11	0.000
AV29IAHGRM12-4		Northwest Corner	10:11	0.000
AV29IAHGRM11-1	11	Northwest Corner (carpeted)	10:12	0.000
AV29IAHGRM11-2		Northeast Corner (carpeted)	10:12	0.000
AV29IAHGRM11-3		Southeast Corner (carpeted)	10:12	0.000
AV29IAHGRM11-4		Southwest Corner (carpeted)	10:12	0.000
AV29IAHGRM14-1	14	Northwest Corner (carpeted)	10:23	0.004
AV29IAHGRM14-2		Northeast Corner (carpeted)	10:23	0.002
AV29IAHGRM14-3		Southeast Corner (carpeted)	10:23	0.001
AV29IAHGRM14-4		Southwest Corner (carpeted)	10:23	0.000

Table 4-5
Mercury Vapor Screening Results

Sample ID	AV-29 Room	Location	Sample Time	Mercury Reading (mg/m^3)
AV29IAHGRM17-1	17	Southwest Corner (carpeted)	10:29	0.006
AV29IAHGRM17-2		Northwest Corner (carpeted)	10:29	0.003
AV29IAHGRM17-3		Northeast Corner (carpeted)	10:29	0.002
AV29IAHGRM17-4		Southeast Corner (carpeted)	10:29	0.001
AV29IAHGRM13-1	13	Northeast Corner (carpeted)	10:36	0.006
AV29IAHGRM13-2		Southeast Corner (carpeted)	10:36	0.003
AV29IAHGRM13-3		Southwest Corner (carpeted)	10:36	0.002
AV29IAHGRM13-4		Northwest Corner (carpeted)	10:36	0.001
Mercury Blank			10:38	0.000
AV29IAHGRM15-1	15	Northeast Corner (carpeted)	10:41	0.003
AV29IAHGRM15-2		Southeast Corner (carpeted)	10:41	0.001
AV29IAHGRM15-3		Southwest Corner (carpeted)	10:41	0.001
AV29IAHGRM15-4		Northwest Corner (carpeted)	10:41	0.000
AV29IAHGRM16-1	16	East (carpeted)	10:55	0.004
AV29IAHGRM16-2		East-Central (carpeted)	10:55	0.002
AV29IAHGRM16-3		West-Central (carpeted)	10:55	0.001
AV29IAHGRM16-4		West (carpeted)	10:55	0.000
AV29IAHGRM20-1	20	Southwest Corner	10:58	0.000
AV29IAHGRM20-2		Northwest Corner	10:58	0.000
AV29IAHGRM20-3		Northeast Corner	10:58	0.000
AV29IAHGRM20-4		Southeast Corner	10:58	0.000
AV29IAHGRM18-1	18	Southwest Corner (carpeted)	11:12	0.000
AV29IAHGRM18-2		Northwest Corner (carpeted)	11:12	0.000
AV29IAHGRM18-3		Northeast Corner (carpeted)	11:12	0.000
AV29IAHGRM18-4		Southeast Corner (carpeted)	11:12	0.000
AV29IAHGRM1-1	1	Northeast Corner	11:15	0.000
AV29IAHGRM1-2		Southeast Corner	11:15	0.000
AV29IAHGRM1-3		Southwest Corner	11:15	0.000
AV29IAHGRM1-4		Northwest Corner	11:15	0.000
AV29IAHGRM7-1	7	Unisex Bathroom	11:17	0.000
AV29IAHGRM28-1	28	Southwest Corner	11:28	0.000
AV29IAHGRM28-2		Northwest Corner	11:28	0.003
AV29IAHGRM28-3		Northeast Corner	11:28	0.001
AV29IAHGRM28-4		Southeast Corner	11:28	0.001
AV29IAHGRM29-1	29	Southwest Corner	11:33	0.000
AV29IAHGRM29-2		Northwest Corner	11:33	0.000
AV29IAHGRM29-3		Northeast Corner	11:33	0.000
AV29IAHGRM29-4		Southeast Corner	11:33	0.000
AV29IAHGRM30-1	30	Southwest Corner	11:35	0.000
AV29IAHGRM30-2		Northwest Corner	11:35	0.000
AV29IAHGRM30-3		Northeast Corner	11:35	0.000
AV29IAHGRM30-4		Southeast Corner	11:35	0.000
AV29IAHGRM31-1	31	West Side	11:37	0.000
AV29IAHGRM31-2		East Side	11:37	0.000
AV29IAHGRM33-1	33	Northeast Corner	11:38	0.000
AV29IAHGRM33-2		Northwest Corner	11:38	0.000
AV29IAHGRM33-3		Southeast Room	11:38	0.000

Table 4-5
Mercury Vapor Screening Results

Sample ID	AV-29 Room	Location	Sample Time	Mercury Reading (mg/m^3)
AV29IAHGRM19-1	19	Southwest Corner	11:46	0.000
AV29IAHGRM19-2		Northwest Corner	11:46	0.000
AV29IAHGRM19-3		Northeast Corner	11:46	0.000
AV29IAHGRM19-4		Southeast Corner	11:46	0.000
AV29IAHGRMDV-1	DV	Northwest Corner	12:05	0.006
AV29IAHGRMDV-2		Center	11:38	0.000
AV29IAHGRMDV-3		Northeast Corner	11:38	0.000

4.1.4 Formaldehyde

Sorbent cartridges were used to collect indoor air samples to determine the presence of formaldehyde in select buildings, Cuzcos, and modular structures/trailers.

4.1.4.1 Sample Locations

As shown on Figures 1, 3, 6, 7, 8, and 9 in Appendix A, 28 indoor air samples and 3 field blanks were collected from the following locations.

- Multiple rooms used for administrative purposes in Hangar AV-32 on 10 October 2015
- Cuzcos on 11 and 12 October 2015
- Various structures inside the ELC used for meeting spaces or administrative purposes on 13 and 14 October 2015
- Satellite trailer used for administrative purposes outside Building AV-29 on 14 October 2015

4.1.4.2 Sample Collection

Prior to deploying sorbent cartridges, the HVAC systems at each location were operating at occupation levels. Prior to sample collection, each air sampling pump was calibrated to a 1.2 liters per minute (L/minute) flow rate using a rotameter to measure the upstream airflow as it entered the cartridge. Once the calibration was complete, a new cartridge was connected to the air sampling pump and the starting time was recorded. Each sample was collected for approximately eight hours (480 minutes). At the end of the sampling period, pumps were turned off, stop times were recorded, and the cartridge caps were replaced. Each cartridge was labeled with a sample identification number and air sampling pumps were recalibrated to verify the flow rate. Field blanks were collected in the same manner as the samples, except that no air was drawn through the cartridges.

Analytical Results

Sample containers were chilled during storage, and were packed in a cooler with frozen ice packs for shipment and submittal to Air Toxics. Each cartridge was analyzed for formaldehyde using U.S. EPA Method TO-11A. Table 4-6 summarizes sample identification numbers, sample locations, start and stop times, and sample results. The Air Toxics laboratory report is included in Appendix F.

Table 4-6
Formaldehyde Sample Summary

Sample ID	Location	Sample Date	Sample Time		Results (ug/m^3)
			Start	Stop	
AV32IHFMMP	AV-32 Multipurpose Room	10 Oct 15	10:15	18:28	7.4
AV32IHFMM01	AV-32 Media Operations Room 1	10 Oct 15	10:25	18:35	5.3
AV32IHFMM02	AV-32 Media Operations Room 2	10 Oct 15	10:31	18:39	21
AV32IHFMBLK	AV-32 Media Operations Room 2/Field Blank	10 Oct 15	10:31	18:39	0.096
CZIAFM47A	Cuzcos Unit 47A	11 Oct 15	08:12	16:13	21
CZIAFM48A	Cuzcos Unit 48A	11 Oct 15	08:17	16:24	8.9
CZIAFM43A	Cuzcos Unit 43A	11 Oct 15	08:24	16:24	5
CZIAFM44A	Cuzcos Unit 44A	11 Oct 15	08:21	16:25	10
CZIAFM28A	Cuzcos Unit 28A	11 Oct 15	08:29	16:30	6.9
CZIAFM27A	Cuzcos Unit 27A	11 Oct 15	08:32	16:32	7.3
CZIAFM35A	Cuzcos Unit 35A	11 Oct 15	08:35	16:40	75
CZIAFM36A	Cuzcos Unit 36A	11 Oct 15	08:39	16:41	15
CZIAFM22A	Cuzcos Unit 22A	11 Oct 15	08:49	16:44	23
CZIAFM23A	Cuzcos Unit 23A	11 Oct 15	08:44	16:49	29
CZIAFM16A	Cuzcos Unit 16A	12 Oct 15	08:14	16:14	40
CZIAFM17A	Cuzcos Unit 17A	12 Oct 15	08:17	16:18	51
CZIAFM5A	Cuzcos Unit 5A	12 Oct 15	08:21	16:22	48
CZIAFM4A	Cuzcos Unit 4A	12 Oct 15	08:24	16:26	32
CZIAFM10B	Cuzcos Unit 10B	12 Oct 15	08:28	16:31	23
CZIAFM11B	Cuzcos Unit 11B	12 Oct 15	08:31	16:35	29
CZIAFMBLK	Cuzcos Unit 11B/Field Blank	12 Oct 15	08:33	16:35	0.11
ELCIAFMBL29	Expeditionary Legal Complex Building 29	13 Oct 15	10:15	18:15	10
ELCIAFMBL11	Expeditionary Legal Complex Building 11	13 Oct 15	10:30	18:30	5.6
ELCIAFMBL5	Expeditionary Legal Complex Building 5	13 Oct 15	10:40	18:40	9.8
ELCIAFMBLK	Expeditionary Legal Complex Building 5/ Field Blank	13 Oct 15	10:40	18:40	0.091
ELCIAFMBL4	Expeditionary Legal Complex Building 4	13 Oct 15	10:55	19:08	6.9
ELCIAFMBL3107	Expeditionary Legal Complex Building 3 Room 107	13 Oct 15	11:00	19:00	8.1
ELCIAFMBL8	Expeditionary Legal Complex Building 8	13 Oct 15	11:05	19:15	25

Table 4-6
Formaldehyde Sample Summary

Sample ID	Location	Sample Date	Sample Time		Results ($\mu g/m^3$)
			Start	Stop	
AV29IAFMST	AV-29 Satellite Trailer	14 Oct 15	9:24	17:24	11
ELCIAFMBL30	Expeditionary Legal Complex Building 30	14 Oct 15	10:17	18:22	4.6
ELCIAFMBL2	Expeditionary Legal Complex Building 2	14 Oct 15	10:23	18:28	6.2

Note:
$\mu g/m^3$ = micrograms per cubic meter

The NIOSH 8-hour REL for formaldehyde is 0.016 part per million (ppm), which equates to approximately 19.6 $\mu g/m^3$ at standard temperature and pressure. Ten Cuzcos sampled had levels of formaldehyde that exceed the NIOSH REL. Formaldehyde is commonly used in modular/trailer construction materials including plywood, fiberboard, sealants, adhesives, and foam insulation.

4.1.5 Asbestos

Air samples were collected to evaluate the presence of airborne asbestos inside the four permanent buildings within Camp Justice. Samples were collected from the breathing zone of a hypothetical adult worker using OSHA 29 Code of Federal Regulations (CFR) 1910.1001 procedures, as listed in the SOP table in Appendix B.

4.1.5.1 Sample Locations

As shown on Figures 1 through 4 and 13 through 15 in Appendix A, 13 indoor air samples and 2 field blanks were collected within Hangar AV-32, Building AV-29, Bunker AV-31, and Building AV-34.

4.1.5.2 Sample Collection

Prior to sample collection, each air sampling pump was calibrated to a flow rate of 2 L/minute using a rotameter to measure the upstream airflow as it entered the cassette. Once the calibration was complete, a new cassette was connected to the air sampling pump and the starting time was recorded. Each sample was collected for approximately 10 hours. At the end of the sampling period, pumps were turned off, stop times were recorded, and each cassette was closed and sealed with the base and plastic plugs. Each cassette was labeled with a sample identification number and air sampling pumps were recalibrated to verify the flow rate. Field blanks were collected in the same manner as the samples, except that no air was drawn through the cassettes.

4.1.5.3 Analytical Results

Filter cartridge samples were submitted to Galson Laboratories, Inc., where they were analyzed using phase-contrast microscopy per NIOSH Method 7400. Table 4-7 lists sample identification numbers, sample locations, start and stop times, and results. The Galson Laboratories analytical report is included in Appendix F.

Table 4-7
Asbestos Air Sample Summary

Sample ID	Location	Sample Date	Sample Times		Results (Fibers/cc)
			Start	Stop	
AV32IAASBMF	AV-32 Main Floor	10 Oct 15	09:05	15:05	<0.002
AV32IAASBM2	AV-32 Mezzanine	10 Oct 15	09:19	19:20	<0.002
AV32IAASBFB1	AV-32 Mezzanine/Field Blank	10 Oct 15	09:20	19:20	(1)
AV32IAASBMR	AV-32 Media Room #4	11 Oct 15	07:50	18:05	0.002
AV34IAASBCR	AV-34 Court Room	13 Oct 15	09:03	19:26	<0.002
AV34IAASB1HWYN	AV-34 1st floor hallway north end	13 Oct 15	09:10	19:30	0.01
AV34IAASB2HWYS	AV-34 2nd floor hallway south end	13 Oct 15	09:15	19:35	0.006
AV34IAASB2HWYN	AV-34 2nd floor hallway north end	13 Oct 15	09:20	19:33	0.006
AV29IAASB1HWYS	AV-29 1st floor hallway south end	14 Oct 15	08:48	19:07	<0.002
AV29IAASB1HWYN	AV-29 1st floor hallway north end	14 Oct 15	08:45	18:56	<0.002
AV29IAASBFB2	AV-29 1st floor hallway north end/Field Blank	14 Oct 15	08:45	18:56	(1)
AV29IAASB2HWYS	AV-29 2nd floor hallway south end	14 Oct 15	08:52	19:10	0.003
AV29IAASB2HWYN	AV-29 2nd floor hallway north end	14 Oct 15	08:55	19:13	0.004
AV29IAASBDVR	AV-29 2nd DV Room	14 Oct 15	08:57	19:39	0.005
AV31IAASB1	AV-31 Main Room in Bunker	14 Oct 15	09:35	17:35	0.006

Notes:
Fibers/ccFibers per cubic centimeter
(1) The laboratory reported Not Applicable for field blanks because a volume of air was not collected to use for calculating fibers/cc, which is (fiber/filter)/(air volume); the laboratory reported <2,700 fibers per filter.

The highest fiber count noted from the air samples collected was from the north end of the first floor hallway in Building AV-34, at a detection of 0.01 fiber per cubic centimeter (cc). The OSHA 8-hour time-weighted average limit is 0.1 fiber/cc, an order of magnitude greater than the highest fiber count. Even though asbestos was present on the filters, the quantity was near the limit of detection even when sampled for a 10-hour period.

4.1.6 Radon

Radon is a radioactive gas released from the natural decay of elements such as uranium, thorium, and radium in underlying rocks and soil. Radon gas can be present in outdoor air and inside buildings (National Institute of Health 2015). Radon can also be carcinogenic at elevated levels and was sampled during this investigation.

4.1.6.1 Sample Locations

Short-term radon sampling was conducted from 13 to 15 October 2015 in the permanent structures (Building AV-29, Bunker AV-31, Building AV-34, and Hangar AV-32), as shown on Figures 1 through 4 in Appendix A.

4.1.6.2 Sample Collection

A total of six samples were collected at locations judged to have low air flow rates. Sampling procedures followed manufacturer's instructions and the SOP listed in Appendix B. Sampling began on 13 October 2015 by opening each paper envelope sampler, allowing exposure of indoor air to an interior pouch containing activated charcoal. The open envelopes were affixed with string and suspended approximately 3 to 5 feet above the floor (within the breathing zone), then left in place for 48 hours. Following the exposure period on 15 October 2015, each sampler was collected, re-sealed, and shipped to Air Chek, Inc., for same-day analysis.

4.1.6.3 Analytical Results

Table 4-8 lists sample identification numbers, sample locations, and analytical results.

Table 4-8
Radon Sample Results

Sample Kit Number	Location	Result (picoCuries per Liter)
4919895	AV-29 Hallway North, 1st Floor	< 0.3
4919896	AV-29 Hallway South, 1st Floor	< 0.3
4919898	AV-34 Crawl Space, Sub Floor	< 0.3
4919899	AV-34 Basement	0.9 ± 0.2
4919900	AV-32 Media Room, 1st Floor, Kitchen	< 0.3
4919902	AV-31, Bunker, 1st Floor, Electrical Room	0.9 ± 0.2

Radon gas is most strongly associated with igneous and metamorphic rocks that underlie much of the North American continent and that are present in the central sections of Cuba. Other rock types, particularly carbonate limestones, present less potential for radon gas evolution. Despite the presence of igneous and metamorphic rocks in much of Cuba, the permanent buildings at Camp Justice are in a sedimentary terrain underlain by coastal limestone carbonates of the Jaimenitas Formation. Consequently, there should be a low potential for the formation of radon gas.

The low potential was confirmed by sampling as four of six samples did not contain radon gas above the laboratory detection limit. The two locations where radon was detected (within the low potential range of 0.9 ± 0.2 picocuries per liter [pCi/L]) were within a basement (AV-34) and a bunker (AV-31).

4.2 Paint Chip Samples

The NMCPHC observed deteriorated/chipped paint on the exposed underside of the roof in Hangar AV-32 and paint chip debris on the floor and mezzanine/other deck surfaces (NMCPHC 2015). During Resolution Consultants' Initial Site Visit and Environmental Investigation, the paint chip debris on the floor was mostly absent. The absence of paint chips was attributed to recent washing and clearing of standing water generated as a result of roof leaks/infiltration from heavy rains associated with Hurricane Joaquin, which impacted Cuba in early October 2015. The paint chip samples were collected from the remaining paint chips in accessible locations, and submitted for analysis of PCBs.[10]

4.2.1 Sample Locations

Paint chip samples were collected on 10 October 2015 from the following accessible locations within Hangar AV-32: the north hangar door, the first-floor stairwell in the northwest side of the hangar, and the first-floor stairwell on the southwest side of the hangar. Sample locations are shown on Figure 3 in Appendix A. Photographs of paint chip sample locations are in Appendix C-2.

4.2.2 Sample Collection

At each sample location, paint was removed using a properly decontaminated stainless-steel manual scraper. All paint samples were scraped directly from the substrate into sample containers. Each sample container was labeled with a sample identification number and sealed for shipment to the analytical laboratory.

4.2.3 Analytical Results

Three paint samples were submitted to Test America Laboratories, Inc. (Test America), where they were analyzed for PCBs using Method 8082A. Table 4-9 lists sample identification numbers, sample location, and analytical results. The Test America laboratory report is in Appendix F. Aroclor-1260 was the only PCB detected, and the detected concentrations are below the 1-ppm standard resulting in regulation under the Toxic Substances Control Act. In addition, the detected concentrations in the samples collected are below the regulatory standard of 50 ppm for disposal purposes (40 CFR 761.62).

[10] Hangar AV-32 was previously included in an asbestos and lead-based paint survey; therefore, paint chips were not analyzed for lead. PCBs are a component of pigments used in paints.

Table 4-9
Summary of Paint Chip Samples
(results presented in mg/kg)

Sample ID	Location	Aroclor of Polychlorinated Biphenyl						
		-1016	-1221	-1232	-1242	-1248	-1254	-1260
AV32PC01	Hangar Door	0.067 U	0.087 U	0.038 U	0.038 U	0.058 U	0.087 U	0.88 J
AV32PC02	Northeast 1st Floor Stairwell	0.067 U	0.088 U	0.038 U	0.038 U	0.059 U	0.088 U	0.31
AV32PC03	West 1st Floor Stairwell	0.068 U	0.089 U	0.038 U	0.038 U	0.059 U	0.089 U	0.58

Notes:
U = Parameter not detected above laboratory detection limit
J = Estimated concentration
mg/kg = milligrams per kilograms

4.3 Drinking Water Sampling

NS GTMO is served by a single water treatment and distribution system, the Windward Desalination Water Treatment Plant (WTP). The water from the WTP is approved as fit for human consumption. Water is tested annually for Safe Drinking Water Act constituents at a point downstream from the plant, and before the first connection for distribution (NMCPHC 2015). The NMCPHC noted potential discrepancies (e.g., signs found throughout Camp Justice stating, "Do Not Drink the Water") and concerns (e.g., some temporary piping may or may not meet National Sanitation Foundation 61 standards for potable use).

During the Initial Site Visit, a drinking water survey was completed by locating and cataloguing water distribution points and water supply bladders. Water is delivered to and distributed throughout Camp Justice using three methods (based on end use): hard plumbing connections directly from water mains; hard plumbing connections (PVC) connected to drinking water risers/hydrants; and flexible hoses connected to drinking water risers/hydrants.

Showers and sinks were considered potential sources for ingestion, inhalation, and dermal exposure to drinking water. Therefore, water samples were collected to evaluate water quality and possible effects from plumbing connections within Camp Justice.

4.3.1 Sample Locations

Resolution Consultants sampled water from permanent and select modular buildings, tents with latrines and showers, and portable restrooms within Camp Justice. Table 4-10 lists the 17 water sample collection locations sorted by water delivery system type.

Table 4-10
Drinking Water Sample Locations

Plumbing Method	Building/Structure	Number of Samples
Hard plumbing connections directly to water mains	Building AV-29 Hangar AV-32 Building AV-34	2 1 2
Hard plumbing connections to fire hydrants or drinking water risers	Cuzcos Expeditionary Legal Complex Modular/Trailers	8 1
Flexible water hoses connected directly to drinking water risers/hydrants	Tents Hangar AV-32 Portable Latrine (Male)	2 1

4.3.2 Sample Collection

Figures 1, 3, 4, 7 through 10, 13, and 15 in Appendix A show 17 drinking water and one duplicate drinking water sample locations collected 11 through 13 October 2015.

Drinking water sampling followed the procedures outlined in the *Quick Guide to Drinking Water* (U.S. EPA 2005). Sample preparation activities consisted of flushing the designated faucet/shower head for approximately 3 minutes, adhering a testing tag on the faucet to inform possible users of the ongoing test, and returning 6 to 8 hours later for sample collection. Sample collection proceeded by removing the shower heads or aeration screens from faucets, allowing the tap to run for approximately 3 to 4 seconds, and collecting the first flush water sample for lead and copper analyses. The remaining water samples were collected after the water temperature stabilized indicating flushing was complete.

Upon completing collection, samples were labeled with an identification number and refrigerated pending delivery to the laboratory, except for samples to be analyzed using field test kits for chlorine and total coliform.

4.3.3 Field Test Kits Analytical Results

Chlorine colorimetric test kits provided by Hach were utilized in the field to measure residual chlorine, per test method instructions (Method CN-70). Coliform samples were analyzed for presence/absence per the Hach Method 8319 test kit. Samples designated for coliforms analysis were placed in an incubator at 95 degrees for 24 hours following addition of a dechlorination agent. After 24 hours, samples were visibly inspected for a color change. If no color change was observed, samples were incubated another 24 hours and test results were recorded.

Chlorine

Chlorine was not detected in water samples collected from Building AV-34 or the tents. Chlorine concentration results are given in ranges by the test kits. The maximum and minimum concentrations ranged from 0.0 milligrams per liter (mg/L) in AV-34 to a maximum of 4 to 5 mg/L in Cuzco 44A. The maximum residual disinfectant level under the U.S. Safe Drinking Water Act is 4.0 mg/L.

Total Coliforms

A preliminary screening for total coliforms indicated *presumptive positive* results for water samples collected from the Hangar AV-32 portable Male Latrine and Cuzco 23A. However, the duplicate sample collected from Cuzco 23A indicated total coliform was absent. *Presumptive positive* test results require validation using a confirmation media to prevent growth of non-target organisms and encourage growth of target organisms. Therefore, the total coliform data should be considered as non-validated, preliminary screening data.

4.3.4 Laboratory Analytical Results

Water samples were shipped to Test America, where they were analyzed for lead and copper (using Method 200.7) and disinfection by-products TTHM and HAA5 using Analytical Methods 524.2 and 552.2, respectively. One trip blank was submitted for laboratory analysis of TTHM, which were not detected. Analytical results, presented in tables in Appendix E-2, are discussed below.

Lead

Concentrations of lead ranged from less than 3 micrograms per liter (µg/L) (laboratory detection limit) to a maximum of 11 µg/L (Cuzco 5A). Lead was not detected in water samples collected from the Building AV-29 first or second floor Male Latrine sink taps, Cuzco 16A, or Cuzco 28B. Otherwise, no noted differences are indicated between lead concentrations in water and the different delivery systems.

Copper

Copper was detected in all water samples with concentrations ranging from 3.6 µg/L to 49 µg/L. The minimum and maximum copper concentrations were both detected in water from New and Old Cuzcos. Generally, an order of magnitude concentration range was also identified at the building structures (e.g., AV-29; 4.8 µg/L to 38 µg/L). No noted differences are indicated between copper concentrations in water and the different delivery systems.

TTHM

TTHM were detected in all samples with the minimum detections at Building AV-34 (26 and 29 µg/L) and the maximum detection at the ELC portable Male Latrine (81 µg/L). The most notable difference in the TTHM data, on average, is that concentrations are slightly less in the permanent buildings when compared to the Cuzcos, tents, and ELC modular structures/trailers.

HAA5

The minimum and maximum HAA5 concentrations were detected in water samples collected from the Male Shower (TENTDWL3) and Male Latrine (CZDW5A) where concentrations ranged from 1.8 µg/L to 18 µg/L, respectively. No notable differences are indicated between HAA5 concentrations and the different delivery systems.

4.3.5 Summary of Results

Copper and lead detections did not exceed a U.S. Safe Drinking Water Act standard. Only one detection (ELCDWPH, in the ELC Male Portable Latrine) of TTHM exceeded the U.S. Safe Drinking Water Act standard of 80 µg/L. None of the HAA5 concentrations detected exceeded the U.S. Safe Drinking Water Act standard of 60 µg/L.

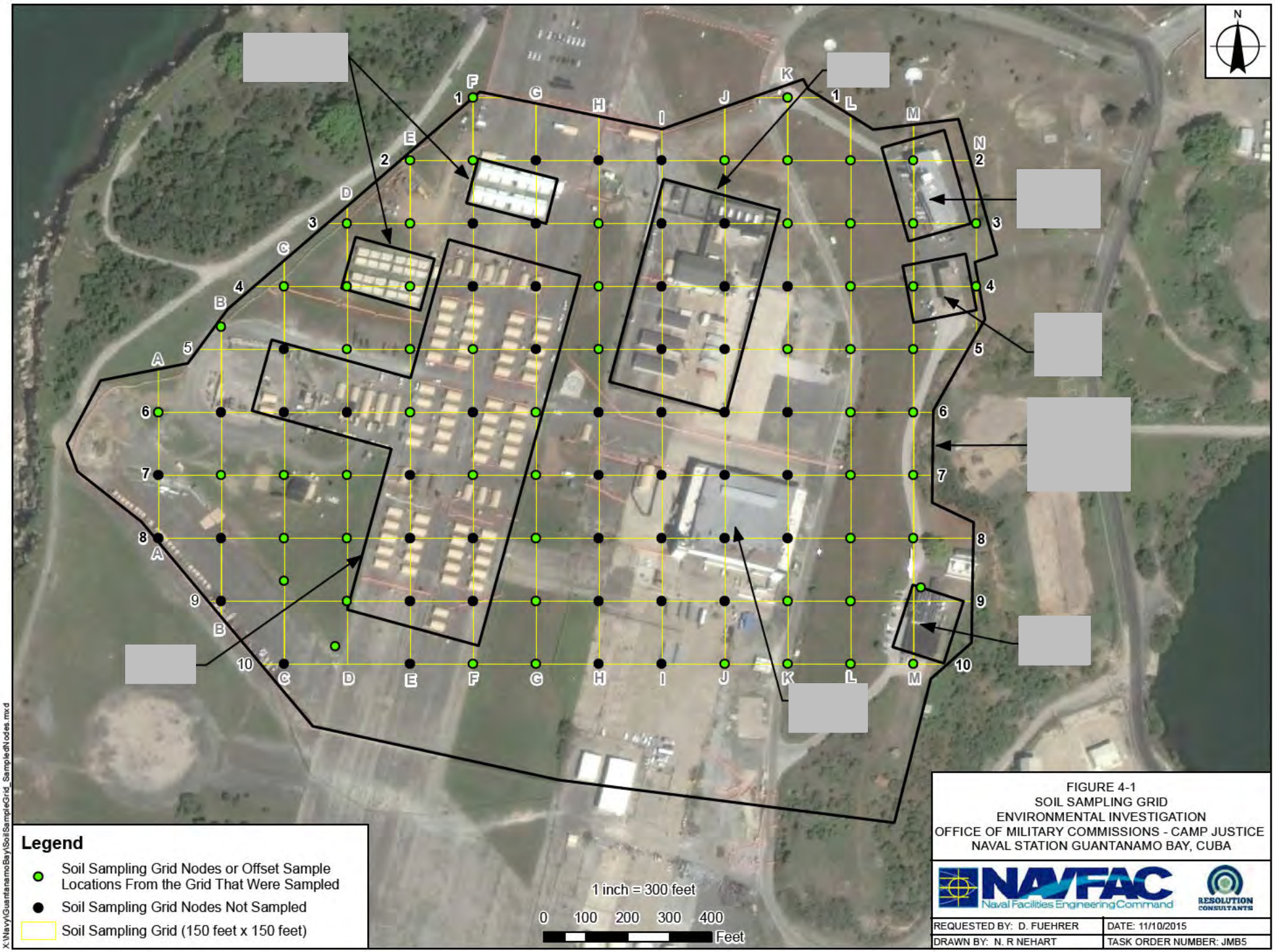
4.4 Soil Sampling

From 10 to 12 October 2015, surface soil samples were collected from 60 locations based on a pre-established sampling grid set on 150-foot centers across Camp Justice. The areal extent of the grid is shown on Figure 4-1. Appendix C-3 includes photographs taken of each surface soil sample location, except where prohibited by JTF security.

4.4.1 Sample Location

During the sampling event, a soil sample was collected from any center (nodal point) which fell off a hard surface or, where nearby accessible soil was identified based on physical inspection of the area, at locations offset from corresponding hard surface nodal points. Samples were collected from available soil residuum; where soil thickness at the target nodal point did not yield sufficient sample volume, the sample location was expanded horizontally as needed. Four of the samples were collected on or adjacent to asphalt surfaces, but every effort was made to exclude asphalt fragments from the samples.

The pre-established nodal points were spatially located using a hand-held global positioning system device (Trimble). Offset locations were recorded on available hard copy maps and diagrams but coordinates were not determined.


N
Legend
Soil Sampling Grid Nodes or Offset Sample Locations From the Grid That Were Sampled
Soil Sampling Grid Nodes Not Sampled
Soil Sampling Grid (150 feet x 150 feet)
1 inch = 300 feet
0 100 200 300 400
Feet
FIGURE 4-1
SOIL SAMPLING GRID
ENVIRONMENTAL INVESTIGATION
OFFICE OF MILITARY COMMISSIONS - CAMP JUSTICE
NAVAL STATION GUANTANAMO BAY, CUBA
NAVFAC
Naval Facilities Engineering Command
RESOLUTION CONSULTANTS
REQUESTED BY: D. FUEHRER
DATE: 11/10/2015
DRAWN BY: N. R NEHART
TASK ORDER NUMBER: JMB5
Service Layer Credits: Google Earth Pro Imagery - 12/1/2013
X:\Navy\GuantanamoBay\SoilSampleGrid_SampleNodes.mxd

4.4.2 Sample Collection

Soil samples were collected in accordance with the SOP referenced in Appendix B. Soil samples were collected using stainless steel hand implements (spoon, trowel, and rake). Collected soil was first sieved and homogenized through a stainless steel colander or screen and accumulated in a stainless-steel bowl. The soil sieving process resulted in a brown granular sample matrix for analyses. This process facilitated removal of pebbles, rock fragments, plant material, and at four locations asphalt pieces.

During sampling, the soil in the bowl was inspected by visual and olfactory observations and the resulting descriptions were recorded on sampling data sheets that are presented in Appendix D. Following inspection, the soil in the bowl was then transferred to the sample jars. Each sample jar was labeled with the alphanumeric sample numbering system, time, date and analysis as discussed in the *Final Work/Sampling Plan.* Once collected, samples were immediately processed and preserved by maintaining the samples on wet ice at a maximum temperature of 4 degrees centigrade.

The sampled soils included a thin layer of rock residuum without the appearance of a soil profile, or thicker intrazonal soils (Baldwin 1938) derived from the underlying Jaimenitas coral limestone and from detritus from upland igneous mafic and ultramafic rocks. The coralline intrazonal soils are calcimorphic (contain free calcium carbonate), and include costal rendzina (low available water capacity) soils (World Wildlife Federation 2015). Some darker organic soils and soils associated with underlying mafic and ultramafic detrital rock were also observed. Descriptions of the soils sampled are included in Table 4-11.

4.4.2.1 Sample Identification

Soil samples were assigned a unique alphanumeric sample identification code based on the sampling location (grid node). For all samples, the first three digits — AOP — indicates the site. The next digit identifies the type of media; for example, soil is assigned the letter S and field duplicate samples are assigned the letter C. The letters and numbers that follow clarify the letter location (A-N), and sequential sample number (1-10). The final two characters, 01, indicate the sample depth; between surface to 1 foot bgs. Matrix spike/matrix spike duplicate (MS/MSD) samples were assigned the same identifier as the parent sample, with additional volume collected.

4.4.2.2 Equipment Decontamination

Prior to and between sampling locations, stainless steel soil sampling equipment was decontaminated according to SOPs in Appendix B. Decontamination was performed in plastic 5-gallon buckets, with waste IDW solutions discharged to the NS GTMO sanitary sewer system.

Table 4-11
Soil Sample Summary

Sample Node	Sample Date	DUP	MS/ MSD	Photo Taken[1]	Location	Soil Description
A6	11 Oct 15			X	Western extent of Camp Justice, near gravel pile, approximately 175 feet southeast of Moffett Field Road; near gravel pile.	Brown to dark brown, silty clay with abundant pebbles, slightly moist
B5	11 Oct 15			X	Along northwest boundary of Camp Justice, near grassy area. Approximately 175 feet from intersection of Moffett Field Road with former Ocean View Park entrance. Sample offset approximately 50 feet north from grid node due to obstruction by gravel/asphalt.	Dark grey to black clay, with some gravel, trace silt
B7	11 Oct 15			X	In grassy and gravel Camp BEEF Stockyard approximately 75 feet north of the aerator and 20,000-gallon bladders, and 175 feet west of the outdoor entertainment area.	Dry, hard brown clay soil (thin layer) on rock. Streaks of dark brown soil with some brown chips mixed in.
C4	10 Oct 15			X	Grassy area along northwest boundary of Camp Justice, at entrance between Tent and New Cuzcos areas.	Tilth, then brown-grey clayey, silty soil, dry, with pebbles
C7	11 Oct 15			X	Grassy and gravel area west-adjoining Camp BEEF outdoor entertainment area	Brown dry pebbly clay soil
C8	11 Oct 15			X	Thick grassy area near water lines and pumps associated with a nearby bladder	Tilth, then brown, silty clay, trace pebbles, dry to slightly moist.
C9	11 Oct 15	X		X	Sample moved approximately 50 feet north from grid node due to obstruction by asphalt. Sample collected in grassy Stockyard.	Brown clay and silty clay with pebbles, dry.
D3	10 Oct 15			X	Bare ground, approximately 85 feet north of Cuzco 37, along security barriers.	Dark brown silty clay, some rock fragments, dry.
D4	10 Oct 15			X	In grassy and gravel area at the southwest corner of Cuzco 50.	Tilth, then brown-grey clayey, silty soil with pebbles, dry; depth 1 to 2 inches
D5	10 Oct 15			X	In grassy/gravel area approximately 100 feet north of Tents E5 (Power Production) and E4 (HVAC).	Grass roots to 1 inch. Dark brown silty clay, pebbly, dry
D7	11 Oct 15			X	In grass/gravel area of the Stockyard, approximately 60 feet east of Camp BEEF entertainment area and 100 feet west of Laundry Tent (LA1)	Brownish-red clay and silty clay, abundant pebbles, dry
D8	11 Oct 15			X	In grassy Stockyard area approximately 75 feet west of Tents D13 and D14	Brown clay and silty clay soil, dry
D9	11 Oct 15		X	X	Grassy area at southwest edge of runway within Camp Justice, just outside southwest corner of Tents Area	Brown, dry silty clay to 1.5 inches, then lighter brown silt with trace of clay and fine sand, some pebbles

Table 4-11
Soil Sample Summary

Sample Node	Sample Date	DUP	MS/ MSD	Photo Taken[1]	Location	Soil Description
D10	11 Oct 15			X	In grassy area at intersection with former runway and taxiway at southwest portion of Camp Justice, south of Tents Area. Sample offset approximately 50 feet northwest from grid node due to obstruction by asphalt.	Dark brown to brown clay with some pebbles. Dry.
E2	10 Oct 15			X	Grassy area near trees, adjacent to north side of parking area barrier near northwest corner of Camp Justice, within roughly 50 feet of Moffett Field Road.	Brown silty clay, few pebbles, good soil with no rock fragments. Moist.
E3	10 Oct 15			X	In grassy area north of Cuzco 29, adjacent to gravel drive.	Brown, clay with trace silt. Abundant pebbles and coarse fragments, some moist portions but mostly dry.
E4	10 Oct 15			X	In grassy area between Cuzcos 30 and 41, adjacent to a window unit air conditioner exhaust.	Grass to ½ inch, more abundant, then slightly moist to moist, brown silty clay
E5	10 Oct 15			X	In grassy area north of Tents E3, E2, and E1, approximately 40 feet west of Tent D5.	Thin (less-than-½-inch) cover over dark grey to black clay with rock fragments and gravels. Dry.
E6	12 Oct 15			X	From gravel on asphalt runway, between Tents D7 and D9.	Fine gravel from atop asphalt runway
F1	10 Oct 15	X		X	Northwestern-most point of Camp Justice, adjacent to asphalt runway used for parking, roughly 85 feet southeast of Moffet Field Road.	Dry to slightly moist, hard brown to black silty clay with rock fragments over white weathered limestone.
F2	10 Oct 15			X	Adjacent to northwest corner of mess tent in grassy area near drainageway. Grass approximately ½-inch thick and abundant.	Hard, light grading to dark grey clay, rock fragments, pebbles. Dry.
F5	12 Oct 15			X	From gravel on asphalt runway, near Tent C4.	Fine gravel on top of asphalt runway; asphalt gravel in sample.
F7	12 Oct 15			X	Sample taken from a trench cut in asphalt runway north of Tent L3.	Sub-base gravel. Possible asphalt gravel in sample.
F10	11 Oct 15			X	In sparsely grassy area adjoining slight berm along east side of runway, approximately 150 feet southeast of Tent B17.	Dark brown clay to silty clay soil, dry.
G6	11 Oct 15			X	Took three attempts (slight relocations within 5 feet) at a viable sample point. Located near (on south side of) Justice Gate, southeast of Tent A6 (Supply).	Grey, dry, clayey gravel, appears to deposited be on grey, dense rock or hard consolidated gravel.
G7	11 Oct 15			X	In unpaved (bare soil) area east/southeast of Tent A10	Brown silty clay with trace of clay, some rock flour (coarse rock fragments)

Table 4-11
Soil Sample Summary

Sample Node	Sample Date	DUP	MS/ MSD	Photo Taken[1]	Location	Soil Description
G8	11 Oct 15			X	In sparsely grassy area east of Tents A11 and A12	Dark brown clay, some silt, pebbles, dry, hard, and dense.
G9	11 Oct 15			X	In sparsely grassy area east of Tents A14 and A15	Dark brown clay, some silty clay, dry
G10	11 Oct 15			X	In unpaved (bare soil) area between runway and apron at south-central end of Camp Justice	Dark grey, pebbly hard clay, pebbles.
H3	12 Oct 15		X	X	Along junction of security barriers between Old Cuzcos and grassy buffer of Camp Justice Emergency Generator	Brown, silty clay loam, with few pebbles. Slightly moist.
H4	12 Oct 15				Taken within grassy buffer of Camp Justice between barricades and the fenced ELC.	Brown silty clay with very little gravel, dry. Sample terminated at 3 inches bgs.
H5	12 Oct 15	X			Taken within grassy buffer of Camp Justice between barricades and the fenced ELC.	Hard, dry brown to dark brown silty clay.
J2	12 Oct 15			x	Taken in grassy/gravel area north of ELC 28 outside (north of) the ELC.	Brown silty clay with gravel, dry. Sample terminated at 3 inches bgs.
J10	12 Oct 15			X	Taken on paved area adjacent to fence outside Camp Justice, south of Hangar AV-32, roughly 140 feet southwest of Bus Stop and 225 feet northwest of Huntington Road entrance off McCalla Hill Road.	Light brown dry sediment; asphalt just below accumulation of sediment.
K1	12 Oct 15			X	In grassy area at northernmost point of ELC near CN Gate at intersection with McCalla Hill Road and driveway to/from Building AV-34.	Brown silty clay, dry, very hard with common gravel fragments. Occasional piece of wire.
K2	12 Oct 15			X	In grassy area on the east side of McCalla Hill Road roughly 300 feet west of the northwest corner of Building AV-34.	Brown silty clay, dry.
K3	12 Oct 15				In bare area near Montana Gate, east of Gate 6 and west of McCalla Hill Road.	Reddish-brown silty clay with some gravel, dry.
K5	12 Oct 15			X	In bare/grassy area east of the parking lot, on the west side of McCalla Hill Road, approximately 275 feet east of ELC 7. Sample collected in a square of grass surrounded by asphalt.	Hard, red-brown clayey gravel and coarse sand (rock fragments), dry.
K9	12 Oct 15			X	In small grassy area near meters/hydrant approximately 50 feet southeast of the southeast corner of Hangar AV-32.	Light brown, dry gravely clay.
K10	12 Oct 15	X		X	In grassy area east-adjoining McCalla Hill Road, south-adjoining bus stop shelter, approximately 200 feet southeast of the southeast corner of Hangar AV-32.	Brown, silty, clayey pebbly sand to silt. Dry. Sample collected from 3 inches, approximately 1 to 2 feet wide.

Table 4-11
Soil Sample Summary

Sample Node	Sample Date	DUP	MS/ MSD	Photo Taken[1]	Location	Soil Description
L2	12 Oct 15			X	On grassy hillside between McCalla Hill Road and Building AV-34 driveway, approximately 100 feet west of the northwest corner of Building AV-34.	Brownish clayey silt with some gravel, dry.
L3	12 Oct 15	X		X	On grassy hillside between McCalla Hill Road and Building AV-34, taken approximately 75 feet northeast of bus stop shelter.	Reddish-brown gravelly clay. Predominantly fine gravel with pebbles, dry, no odor or stain.
L4	12 Oct 15			X	Adjoining the east side of McCalla Hill Road and Bunker AV-31.	Light brown clay and gravel, dry.
L5	12 Oct 15			X	In grassy area west-adjoining McCalla Hill Road, located within 3 feet of electrical pad-mounted transformer (labeled non-PCB containing) and manhole.	Light brown silt and gravel, dry.
L6	12 Oct 15			X	Sample collected from roadside ditch adjoining the west side of McCalla Hill Road, near entrance to ELC parking lot.	Reddish-brown clay and cobble, dry.
L7	12 Oct 15			X	East-adjoining McCalla Hill Road at intersection of the driveway north of Hangar AV-32.	Red-brown, gravelly silty clay with fine-grained sand, poorly sorted gravel, coarse rock fragments, dry.
L8	12 Oct 15			X	On bare/grassy hillside between McCalla Hill Road/Hangar AV-32 and Huntington Road	Reddish-brown silty clay, dry with common pebbles.
L9	12 Oct 15			X	On bare/grassy hillside between McCalla Hill Road and AV-29	Reddish-brown silty clay, dry with common pebbles.
L10	12 Oct 15			X	On bare/grassy hillside between AV-29 and parking area on south side of AV-29.	Reddish-brown silty clay, dry, gravely, with pebbles.
M2	12 Oct 15			X	Sample collected below fine gravel near air conditioning unit with condensate discharge within 5 feet; off northeast corner of AV-34.	Brown silty clay, dry to moist, with common gravel fragments. Sample depth 3 to 5 inches.
M3	12 Oct 15			X	Top of grassy hillside west-adjoining parking lot on west side of AV-34.	Reddish-brown gravelly clay with mostly fine-grained gravel or coarse sand; dry.
M4	12 Oct 15			X	Top of grassy hillside, west-adjoining paved driveway around AV-31, near drainage feature; sample collected within 10 feet of electric box.	Brown silty clay with gravel, dry. Muscovite mica flecks and glass shards.
M5	12 Oct 15			X	Top of grassy hillside, west-adjoining Huntington Road entrance to paved parking surrounding Bunker AV-31.	Brown silty clay with gravel, dry.
M6	12 Oct 15			X	West-adjoining Huntington Road	Light brown gravely clay, some silt, dry. With common rounded pebbles.
M7	12 Oct 15			X	East-adjoining Huntington Road	Reddish-brown gravely silty clay, dry with common rounded pebbles
M8	12 Oct 15	X		X	West-adjoining Huntington Road	Brown silty clay, dry, occasional pebbles

Table 4-11
Soil Sample Summary

Sample Node	Sample Date	DUP	MS/ MSD	Photo Taken[1]	Location	Soil Description
M9	12 Oct 15			X	Located north of northwest corner of Building AV-29. Sample offset approximately 25 feet northeast from grid node due to obstruction by the building and asphalt. Noted old wiring and metal fragments in soil in sample area.	Light brown clay/silt, dry. Very little soil to collect. Common pebbles in sample area.
M10	12 Oct 15			X	Southeastern-most sample location, south of Building AV-29 in grassy area adjoining paved driveway/parking area	Reddish-brown silty clay, dry, with common pebbles.
N3	12 Oct 15			X	Sample collected approximately 50 feet east of southeast corner of Building AV-34, near trees at edge of surrounding asphalt pavement. With N4, easternmost samples collected.	Greyish-brown, clayey silt and gravel, dry.
N4	12 Oct 15			X	Sample collected approximately 50 feet east of Bunker AV-31 in grassy area beyond surrounding concrete pavement. With N3, easternmost samples collected.	Reddish-brown, dry clay with abundant pebbles and weathered rock fragments.

Notes:
BEEF = Base Engineer Emergency Force
HVAC = heating, ventilating, and air conditioning
ELC = Expeditionary Legal Complex
bgs = below ground surface

4.4.2.3 Quality Control Samples

Quality Assurance (QA)/Quality Control (QC) samples were collected according to the frequency specified in the *Final Work/Sampling Plan*, which resulted in six field duplicate samples and three MS/MSD samples submitted to the laboratory for analysis. Additional information regarding laboratory data validation is in Section 4.6.

4.4.3 Laboratory Analyses

Each primary and QA/QC soil samples were shipped to TestAmerica for the following analyses:

- Target compound list (TCL) SVOCs and PAHs (Method 8270D)
- Target analyte list (TAL) metals (6020A/7471B)
- Total Petroleum Hydrocarbons GRO and DRO compounds (Method 8015 Modified)
- Organophosphorus (Method 8141B) and chlorinated pesticides (Method 8081B)
- PCBs (Method 8082A)
- Herbicides (Method 8151A)

4.4.4 Analytical Results

Summary tables for soil results are in Appendix E-3 and laboratory data reports are in Appendix F.

In general, abundant metals and a variety of semi-volatile organic and pesticide compounds were detected in many of the soil samples. These detections are not unexpected because complex, long-chained organic compounds are expected to concentrate in surface soils from aerial dispersion. Moreover, in the case of PAHs, many can be naturally occurring in organic rich soil environments from a wide variety of sources. The compounds detected are also expected to be less susceptible to natural degradation, even in shallow soil environments. This discussion is not intended to contain detailed analysis of the data. Consequently, only brief summaries are presented in the following sections for each of the major analytical suites and are based on site observations, limited background information, and cursory review of results.

TAL Metals

Each TAL metal was detected in at least one or more soil sample. The metals detected at the highest concentrations were aluminum, calcium, iron, magnesium, and potassium. Less frequent elevated detections were reported for arsenic, barium, chromium, and lead. The presence of aluminum, iron, and potassium is characteristic for igneous rock terrains and the detritus/soil resulting from weathering of those rocks. These terrains are present across Cuba, and detrital rock pebbles, fragments and grains (sand, silt, clay) from these terrains were mixed into the surface soils.

Given the mafic and ultramafic igneous rocks and resulting weathered detritus present, soils would be expected to contain the aluminum, iron, lead, magnesium, and potassium concentrations detected. Calcium is present and derived from calcium carbonate soils developed on the underlying coastal limestone bedrock. Other trace elements present (cobalt, copper, nickel, selenium, silver, vanadium, and zinc) are common earth elements associated with soils developed from a variety of igneous and sedimentary rock terrains.

SVOCs and PAHs

SVOCs detected included components of plasticizers and plastic products, fuel and combustion components (PAHs), and other petroleum products. Plastic products or materials have been used extensively across Camp Justice and former McCalla Airfield in a variety of capacities. Combustion products are expected to have been spread to shallow soils from a wide variety of sources but primarily combustion engines (e.g., vehicles, generators, and aircraft). These sources for SVOCs have been present at Camp Justice, and are also commonly found in many different modern environments influenced by human activities. They are also potentially present due to natural sources, particularly in samples with higher contents of organic materials.

GRO/DRO

These complex organic compounds are present in gasoline, fuel oil, diesel fuel, and other petroleum products used for engine fuel and maintenance. There were no detections of jet fuels and oil range organic compounds, but GRO and DRO were detected in some soils. All GRO and most of the DRO detections were estimated (J-flagged) and below the limit of quantitation. The presence of these compounds across Camp Justice is consistent with small but widespread emissions from combustion engines and fuels such as those expected based on historical airfield use of the area. There were no detections that would be indicative of significant or major releases of petroleum products.

Pesticides, Herbicides, and PCBs

Pesticides and herbicides were detected in 50 of 60 samples. As many as eight compounds were present in a single sample, and multiple detections were common. Pentachlorophenol was the only herbicide detected. By far, 4,4'-dichlorodiphenyldichloroethylene (DDE) and 4,4'-dichlorodiphenyltrichloroethane (DDT) were the most prevalent pesticide compounds detected; organophosphorus pesticides were not detected. Broad application of pesticides for vector control is common at military installations, particularly in tropical environments. The wide distribution and presence of these compounds in soil is consistent with a long history of vector control and pesticide application at NS GTMO. Pesticides are designed to adhere to soil particles and the

compounds DDE and DDT are more resistant to natural degradation based on their chemical structure; consequently, they would be expected to be retained in soil long after application. PCBs were not detected in soil samples.

4.5 Ionizing Radiation Screening

Hangar AV-32 formerly served as an aircraft hangar/maintenance area, where radium dial maintenance and non-destructive radiation testing may have been performed. A CHP examined potential radiological impacts using ionizing radiation screening equipment. Associated Radiological Survey Records and results are in Appendix G and photographs of anomalies are in Appendix C-4.

4.5.1 Ionizing Radiation Assessment

Resolution Consultants conducted a scoping-level radiological survey of Hangar AV-32 to provide a semi-quantitative assessment of the radiological conditions for the building and its surroundings. The assessment included two types of surveys: collecting general area gamma radiation exposure rate measurements and direct and walkover surface measurements using a gamma scintillation detector. While both types of surveys use instruments that provide quantitative measurements, the measurement data are only used to compare conditions against background gamma radiation levels. The data are not intended to provide an assessment of short-term or long-term radiation dose or risk.

In addition to the semi-quantitative gamma radiation surveys, Resolution Consultants placed 12 thermoluminescent dosimeters (TLD) to quantitatively measure long-term radiation doses in Hangar AV-32, Building AV-29, Building AV-34, and Bunker AV-31. The TLDs were placed at the following locations, with a control dosimeter maintained by PWD.

- Hangar AV-32 — Four (TLDs #1, #2, #6, and #7) around the interior perimeter, one (TLD #5) in the middle of the open hangar area, one (TLD #4) in the portable MOC building inside the hangar, and one (TLD #3) in first-floor MOC Room 105 in the east side of the hangar.
- Building AV-29 — Two (TLDs #8 and #9) were placed by the first floor exit doors on the south and north ends of the building, respectively.
- Building AV-34 — Two (TLDs #10 and #11) were placed in the south end of the building — first floor and outside north end of the building — first floor
- Bunker AV-31 — One (TLD #12) was placed in the mechanical room.

The TLDs were deployed for 32 days to provide an assessment of the area dose rate to potential building occupants. The TLDs were shipped back to Resolution Consultants in Greenville, South Carolina, where the project CHP inspected them and the chain of custody before shipping to Landauer, Inc., for processing. The results from the TLDs were transmitted under separate cover (Resolution Consultants 2016).

4.5.2 Gamma Exposure Rate Surveys

Gamma exposure rate surveys were conducted with a Ludlum Model 19 exposure rate meter. This analog meter reports gamma exposure rates in air in units of microRontgen per hour (µR/hr). The gamma exposure rate can be converted to a gamma dose rate if the gamma energy of the radiation source is known. Because the equipment used for this survey does not have the capability of determining energy of the radiation source, any radiation detected above background levels at Hangar AV32 will be assumed to originate from an unknown source.

The gamma dose rate surveys were performed on 13 and 14 October 2015. Background measurements were made in Cuzco 50B, one of the spaces utilized by Resolution Consultants as a field office. The New Cuzcos complex that included 50B is located in the northwest portion of Camp Justice. On both days, background dose rates were recorded as 3 µR/hr. To verify instrument operability, the exposure from an exempt gamma radiation source (a 1 microcurie cesium-137 check source) on contact with the front of the meter was measured at 310 µR/hr.

The gamma exposure rate survey inside Hangar AV-32 included exposure rate measurements above the floor in the hangar area at the intersection of the existing floor slabs. These measurements were made at approximately 3 to 4 feet from the floor (waist height) to represent the location of the whole body, as defined in radiation dose assessments. Measurements were not made in the fenced storage area in the northwest portion of the hangar floor or the temporary buildings in the southwest portion. Three or four evenly spaced measurements were generally made in accessible rooms in the first and second floors along the east and west sides of the hangar.

Radiological Survey Record #1 (Appendix G) provides a graphical representation of the surveys with dose rates generally in the range of 2 to 4 µR/hr. The only areas with dose rates exceeding 4 µR/hr were inside wash rooms/latrines where measurements were made adjacent to porcelain sinks; some porcelain is known to contain higher levels of naturally occurring radionuclides than other building materials (United Nations 2010). All gamma dose rate surveys inside Hangar AV-32 were consistent with background levels. No general area exposure rate measurements were made outside Hangar AV-32.

4.5.3 Direct Gamma Radiation Measurement and Walkover Surveys

In addition to the gamma exposure rate surveys, Resolution Consultants performed direct gamma radiation measurements and limited walkover surveys with a 2-inch by 2-inch sodium iodide (2x2 NaI) gamma scintillation detector (Ludlum 2221 Model 44-10) connected to a meter operated in scaler mode for timed 1-minute direct gamma radiation measurements or rate meter mode to display continuous integrated gamma radiation measurements for walkover/scan surveys. The units of the scaler/rate meter are in counts per minute (cpm). These measurements are semi-quantitative and can be compared against background measurements collected using the same meter. Due to the uncertainty of source(s) of elevated direct gamma radiation measurements they were not converted to units of radioactivity or dose.

The direct gamma radiation measurements made with the 2x2 NaI detector are more sensitive to small variations in radiation levels than those made using the Ludlum Model 19 exposure rate meter because the detector crystal is larger and the measurements are made on contact with the floor or ground (i.e., closer to the potential source of radiation. Therefore, there is greater variability in the measurements made using the 2x2 NaI detector. Direct measurements were made for 1 minute while walkover surveys were performed while listening to the audible detector response (clicking) and observing the range of count rates during the survey. The range of count rates were recorded for some walkover surveys while others are reported as "consistent with background."

Direct gamma measurements were made over floor slab seams or cracks or over the gaps between hangar door tracks. These seams, cracks, and gaps are the most likely places for contamination to accumulate and concentrate. As with the gamma exposure rate survey, the existing seams between the concrete slabs on the floor of the hangar was used to select measurement locations. While the selection of the points was random, measurements were made above a seam or other potential accumulation point while providing coverage of the entire accessible floor area. Additional measurements were made around locations where an initial measurement appeared to be elevated above background.

Radiological Survey Record #2

Radiological Survey Record #2 (Appendix G) provides the results of the direct measurement survey in the hangar area and rooms along the east and west sides of the hangar. Background measurements were taken at the Resolution Consultants field office (Cuzco 50B). Some direct measurements in Hangar AV-32 exceeded background plus two standard deviations which might indicate low-level residual radioactive contamination. However, these exceedances are most likely results of variations in construction materials and, where measurements were taken in rooms on the

east and west sides of the hangar, are most certainly a result of measurements made in a smaller space with concrete or cinder block walls close to the detector on multiple sides. Gamma radiation measurements are affected from naturally radioactive sources located at all angles.

The maximum measurements are reported on Radiological Survey Record #2 — Attachment 1 (Appendix G). These were recorded on porcelain sinks, drains, and drain pipes below the sink in Room 112 (latrine in the southwest corner of Hangar AV-32). Ordinary ceramics often contain elevated levels of naturally occurring radionuclides, e.g., K-40 and the various members of the uranium and thorium decay series (United Nations 2010). Because of this, health physicists who are conducting radiation surveys expect to see higher readings when they are making measurements over ceramic tiles and similar materials. While some porcelain is known to contain higher levels of naturally occurring radioactive materials, measurements on the sink drains in Room 112 were higher than those measured in other washrooms/latrines. Other washroom/latrine porcelain surveys were not documented in detail but the measurements from two sink drains in Room 210 (upper level, west side of Hangar AV-32) are discussed in the notes on Radiological Survey Record #2 — Attachment 1 (Appendix G).

Radiological Survey Record #3

Radiological Survey Record #3 (Appendix G) provides the location of some radiological anomalies located outside Hangar AV-32 that were identified during the walkover survey. The walkover survey was not based on a pre-established grid system and it covered less than 10 percent of the area east of Hangar AV-32 (bound by McCalla Hill Road) or the area west of Hangar AV-32 (bound by the concrete paved area to the west). These anomalies ranged from about two to four times background levels. These anomalies, however, are not necessarily the result of residual radioactive contamination and could be the result of naturally occurring radioactivity in construction or fill materials. No attempt was made to evaluate the radiation dose impact from these anomalies as they are small in size and there are no full-time occupants of these areas outside Hangar AV-32. The four anomaly areas are summarized below.

Anomaly #1: This anomaly is located on the east side of Hangar AV-32. The anomaly area, where gamma count rates were more than twice background, begins at a point adjacent to the exterior wall of Hangar AV-32 and progresses east toward a manhole. All elevated measurements are near the building and over concrete and grassy areas. There are manholes located east of the anomaly but measurements between the anomaly and the manhole were not elevated. This anomaly could be a result of the surface concrete, other building materials below the ground (such as a tile pipe), fill materials, or from low-level residual radioactivity. Photo RS1 (in Appendix C-4) shows the location

of the 2x2 NaI detector at the point adjacent to the exterior wall of Hangar AV-32 (Survey Point #8, 7,600 cpm).

Anomaly #2: This anomaly is located near the northeast corner of Hangar AV-32. All elevated gamma measurements (which approached four times background) were on/above an asphalt-like material that was visually different from other asphalt material in this area. The elevated measurements may have been from naturally occurring elements in the asphalt material itself or from something below the material. The radiation levels dropped off to near background levels immediately beyond the asphalt material suggesting that the material itself is likely the cause of the elevated measurements. Photo RS2 (Appendix C-4) shows the 2x2 NaI detector on the edge of the asphalt material.

Anomaly #3: This anomaly is located on the west side of Hangar AV-32 and includes an area between manhole MH 9-29A (Photo RS3 in Appendix C-4) and an area covered by three rectangular concrete slabs (Photo RS4 in Appendix C-4). In this anomaly area, gamma count rates approached twice background (ranging from 2,551 to 5,044 cpm). This anomaly is approximately 3 feet wide, and possibly 30 to 40 feet long with elevated measurements recorded on concrete, asphalt, and soil/grass. There was an area along this linear anomaly that could not be surveyed as it was under a small exterior building that was not accessible. Like Anomaly #1, dose rates dropped off quickly to either side of the anomaly area. Because of the various materials (concrete, asphalt, and soil) along the anomaly, Anomaly #3 is most likely below the surface. However, the source of the low-level anomaly could be associated with construction or fill materials rather than residual radioactive contamination.

Anomaly #4: This anomaly is located outside the southwest corner of Hangar AV-32. The entire anomaly area is entirely covered with grass. However, the elevated measurements, which approached twice background (from 4,054 to 5,258 cpm), were only on the east side of the grass area; measurements on the west side (near a fire hydrant) were at background levels (3,026 cpm). The anomaly area is smaller than 10 feet by 10 feet. This anomaly area was different from the other areas as the gamma count rates here ranged significantly over an area with a consistent ground cover (grass). However, the nature of the anomaly is not known.

4.6 Data Management and Validation

Data verification was performed to assess the completeness of Environmental Investigation field and laboratory data by reviewing all chain of custody forms, field log notebooks, field records, laboratory sample logs and receipt condition reports, and laboratory deliverables. Data verification was performed on all offsite laboratory analytical data; 10 percent of the raw data

(including instrument printouts) was manually validated. Laboratory data, provided in electronic format, was verified for accuracy prior to use and during the data validation process.

A review of field logs and sample verification noted the following field modifications from the *Final Work/Sampling Plan*.

- Mercury vapor screening was conducted in multiple locations of individual rooms resulting in 60 recorded screenings.
- An air sample could not be collected for HAPSITE analysis in one designated sampling location (Tent L1) because it didn't contain a power source.
- Summa canisters were deployed in 32 locations, not the proposed 33 locations as one of the designated tent locations was excluded due to an inoperative HVAC unit.
- The HAPSITE sampling locations were determined in the field based on access, availability, and time. Initially, all first floor rooms were to be sampled for HAPSITE analysis, which was not feasible due to time constraints; therefore, every other room was sampled. In addition, some pre-determined locations could not be accessed because of JTF security restrictions.
- A total of 17 water samples were collected instead of the originally proposed 20 locations. The laboratory did not provide an adequate number of sample containers; therefore, the number of samples was reduced from four to two from the tents and two to one within the ELC, and an MS/MSD QA/QC sample was not collected.

Limiting or restricting factors that affected sample collection or locations were areas where access was prohibited or otherwise restricted from Resolution Consultants personnel. Prohibited or restricted access also required adjustments between sample deployment and retrieval.

Each soil sample grid location was to be photographed; four locations were not included because JTF security requirements prohibited cameras in those areas.

After receipt of the full data package and electronic deliverables, results were validated against criteria established in the analytical methods, U.S. EPA data validation guidelines (U.S. EPA, August 2014), and *DoD Quality Systems Manual Version for Environmental Laboratories Version 5.0* (DoD, July 2013).

Laboratory analytical data were reviewed independently from the laboratory to assess data quality. No results were rejected and data not qualified during data review are considered usable by the project. The remaining results qualified as estimated during data review may be biased high or low, but the data are usable for their intended purpose, according to U.S. EPA and DoD guidelines.

4.7 Investigation-Derived Waste

IDW consisting of wash water and solid waste generated during the assessment sampling activities were handled as follows.

- Liquid IDW generated during soil sampling equipment decontamination was containerized and discharged to the NS GTMO wastewater treatment plant via the sanitary sewer.
- Excess soil generated during soil sampling activities was returned to the hole as fill material.
- Solid waste IDW (e.g., personal protective equipment, plastic, and paper) was bagged in plastic trash bags and added to NS GTMO solid waste Dumpsters.

5.0 ENVIRONMENTAL INVESTIGATION SUMMARY

As noted in Section 4, multiple detections of analytes were noted in various media throughout Camp Justice. The media and detections are summarized in the following sections.

5.1 Indoor/Ambient Air

Air samples were collected employing the use of a field GC/MS (HAPSITE) for semi-quantitative screening and Summa canisters for subsequent quantitative laboratory analysis. As noted, wide arrays of volatile chemicals were detected in both indoor and ambient air. Detected concentrations were fairly consistent between buildings and even with ambient air. Many compounds detected in air are from cleaning products, carpets, rubbers, and/or aerosols (room fresheners). One elevated concentration of benzene detected in the Hangar AV-32 MOC Multi-Media Center is likely attributable to automobile exhaust, as vehicles can drive and park in Hangar AV-32.

5.2 Mercury

Field screening for mercury vapors indicated some low-level detections in Building AV-29. Detected concentrations may be related to residual elemental mercury present from the dental amalgams. The ACGIH 8-hour TLV for elemental mercury is 0.025 mg/m^3. The NIOSH 8-hour REL is 0.05 mg/m^3 and OSHA 8-hour PEL is 0.1 mg/m^3. The range of data detected — from 0.001 mg/m^3 to 0.006 mg/m^3 — is well below the referenced occupational limits.

5.3 Formaldehyde

Formaldehyde was noted in multiple buildings, and concentrations appear consistent with historical use, with the exception of some Cuzcos. The NIOSH 8-hour REL for formaldehyde is 0.016 ppm. This equates to approximately 19.6 $\mu g/m^3$ at standard temperature and pressure. Ten Cuzcos sampled had levels of formaldehyde that exceed the NIOSH REL. Formaldehyde is commonly used in construction materials including plywood, fiberboard, sealants, adhesives, and foam insulation.

5.4 Asbestos

Asbestos was previously identified in building materials in Buildings AV-29 and AV-34, Bunker AV-31, and Hangar AV-32. Air samples were collected to determine if airborne asbestos particles were present. Low-level detections noted in some samples did not exceed an OSHA standard.

5.5 Radon

Radon was detected at two locations in Camp Justice: the basement of Building AV-34 and in Bunker AV-31. Radon detections were below the U.S. EPA risk standard of 4.0 pCI/L.

5.6 Paint Chips

Paint chips collected from Hangar AV-32 indicated the presence of one PCB, Aroclor-1260, in the samples. PCBs were commonly used in oil-based paints and/or are found in paint pigments. The detected concentrations are below the 1 ppm standard and are not PCB-regulated under the United States Toxic Substances Control Act. The detected concentrations are below the regulatory standard of 50 ppm for disposal purposes (40 CFR 761.62).

5.7 Drinking Water

Drinking water samples were collected at select locations throughout Camp Justice. Chlorine concentrations were within accepted ranges in all samples collected. Coliform was detected in two samples: one from Hangar AV-32 portable Male Latrine and Cuzco 23A. However, the duplicate sample collected from Cuzco 23A indicated total coliform was absent. *Presumptive positive* test results require validation using a confirmation media to prevent growth of non-target organisms and encourage growth of target organisms. Therefore, the total coliform data should be considered as non-validated, preliminary screening data.

Copper and lead concentrations were all below the U.S. Safe Drinking Water Act standard.

HAA5 samples were all below the U.S. Safe Drinking Water Act standard. There was one exceedance of TTHM in a water sample collected from the ELC portable Male Latrine. Elevated concentrations are likely attributable to the water distribution system post-riser, as water is exposed to plastic and/or rubber hosing in the presence of heat and/or sunlight.

5.8 Soil

Soil samples were collected throughout Camp Justice. Detected concentrations included metals, some PAHs, pesticides, and GRO/DRO. Metal detections are ubiquitous across the site and thought to be consistent with regional geology and naturally occurring elements. PAHs detected are low level and could be attributed to natural sources, or related to the incomplete combustion of fuels and exhaust products from engines. The levels of detected concentrations are not indicative of any fuel releases in areas where samples were collected. Pesticides detected are likely attributable to their historical application for vector control (termites, mosquitos and/or other destructive insects). GRO and DRO detections are relatively low. GRO and DRO detections are not definitive of possible releases of petroleum hydrocarbons and can be indicative of high organic matter in some soil samples which elutriated in the sample extract. This was discussed earlier and is further validated in Appendix H, as many sample extracts were discolored.

5.9 Ionizing Radiation

The ionizing radiation survey completed in and around Hangar AV-32 indicated four possible areas of concern, all outside the hangar. Elevated gamma counts at the four locations approached two to four times background. These areas are all limited in extent, and may be related to piping, construction materials, residual sand blast grit, or radium paint waste.

5.10 Data Gaps

Inquiries made regarding the names and uses of structures formerly located within Camp Justice (discussed in Section 2) did not produce more detailed information, beyond current understanding of the uses of airstrips and hangars, which could be used to associate with contaminants detected in various media sampled during the Environmental Investigation.

6.0 REFERENCES

Alaska Structures, Inc. (2015). Tent construction information retrieved at: http://www.alaskastructures.com.

Baldwin, M.; C.E. Kellogg; J. Thorp (1938). "Soil Classification". Soils and Men: Yearbook of Agriculture 1938. U.S. Government Printing Office, Washington, D.C. pp. 979–1001.

Department of Defense. (July 2013). *DoD Quality Systems Manual Version for Environmental Laboratories Version 5.0.*

National Institute of Health. (2015). *Radon and Cancer*. Internet: http://www.cancer.gov/about-cancer/causes-prevention/risk/substances/radon/radon-fact-sheet.

Navy and Marine Corps Public Health Center. (2015). *Public Health Review Report for Camp Justice*. 21 August 2015. 620 John Paul Jones Circle, Suite 1100, Portsmouth, Virginia 23708-2103

Resolution Consultants. *Environmental Investigation Addendum, Area Dosimeter Test Results — Naval Station Guantanamo Bay, Cuba.* 15 February 2016.

United Nations. (2010). Sources and Effects of Ionizing Radiation, United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) 2008. Report to the General Assembly with Scientific Annexes. Volume I. United Nations, New York, 2010. Internet: http://www.unscear.org/docs/reports/2008/09-86753_Report_2008_Annex_B.pdf.

U.S. Army Corps of Engineers. (2008). EM 385-1-1 U.S. Army Corps of Engineers CESO-ZA 20314-1000 Manual No. 385-1-1 15, September 2008. Washington, D.C.

United States Department of Public Health and Human Services. *Toxicological Profile for Carbon Tetrachloride*. Public Health Service. Agency for Toxic Substances and Disease Registry. August 2005.

— *Toxicological Profile for Benzene*. Public Health Service. Agency for Toxic Substances and Disease Registry. August 2007.

United States Environmental Protection Agency. (2015). Map of Radon Zones in the United States based on Environmental Protection Agency data. Retrieved at www.city-data.com/radon-zones

— National Functional Guidelines for Superfund Organic Methods Data Review. Office of Solid Waste and Remedial Response, Washington, District of Columbia, 9355.0-132, EPA-540-R-014-002. Washington, DC. August 2014.

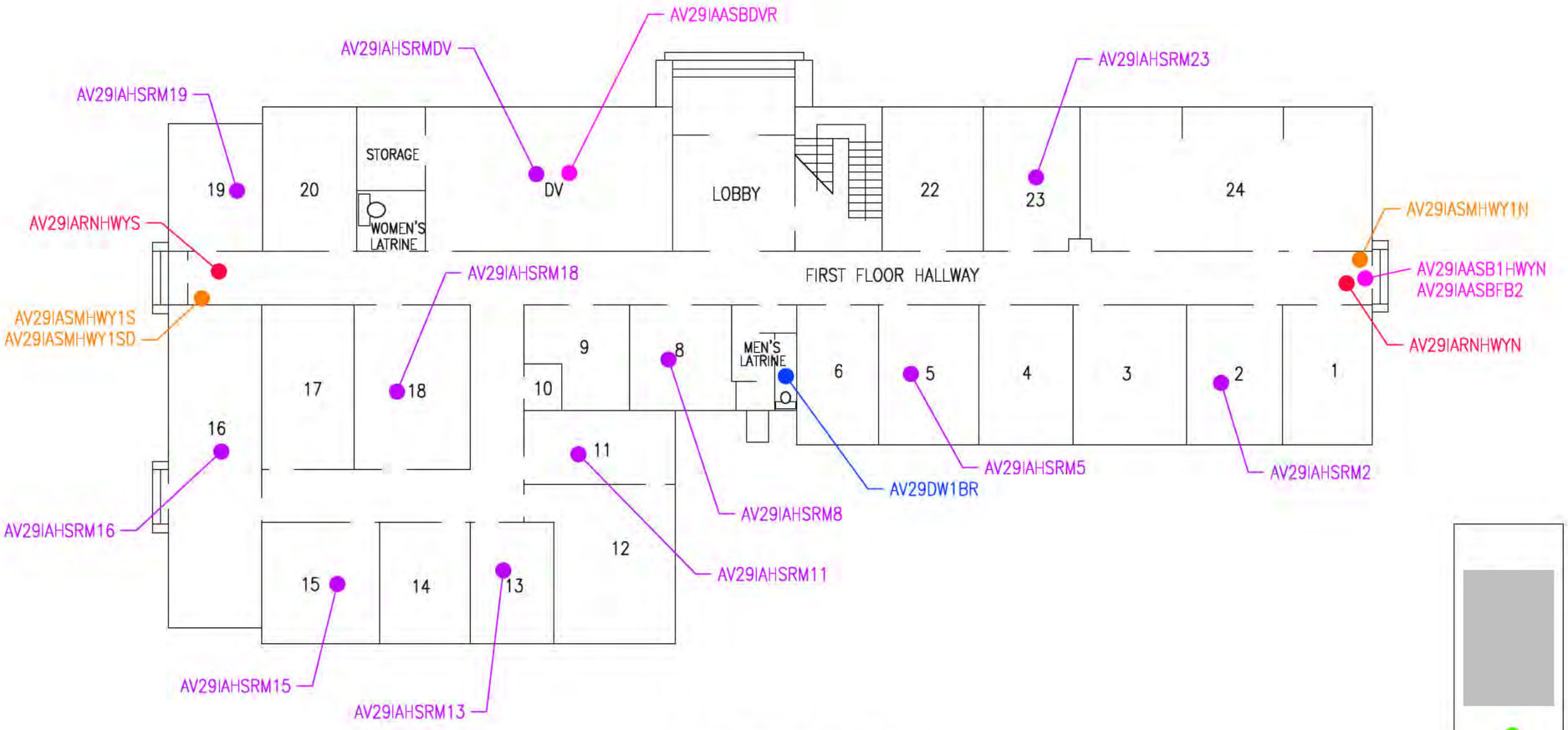
— National Functional Guidelines for Inorganic Superfund Data Review. Office of Solid Waste and Remedial Response, Washington District of Columbia, 9355.0-131, EPA-540-R-013-001. Washington, DC. August 2014.

— (2005). Region 8 Laboratory, Golden, Colorado. *Quick Guide to Drinking Water Sample Collection.*

Weather Underground. Weather conditions at Naval Station Guantanamo Bay, Cuba. Retrieved at http://www.wunderground.com

World Wildlife Federation. (2015). Southeastern Cuba — Deserts and Xeric Sublands. Retrieved at http://www.worldwildlife.org/ecoregions/nt1306

Appendix A
Figures



AV29 FIRST FLOOR

LEGEND

- STAIRS
- DOOR

SAMPLE TYPES

- ASBESTOS
- DRINKING WATER
- FORMALDEHYDE
- HAPSITE
- RADON
- SUMMA CANISTER

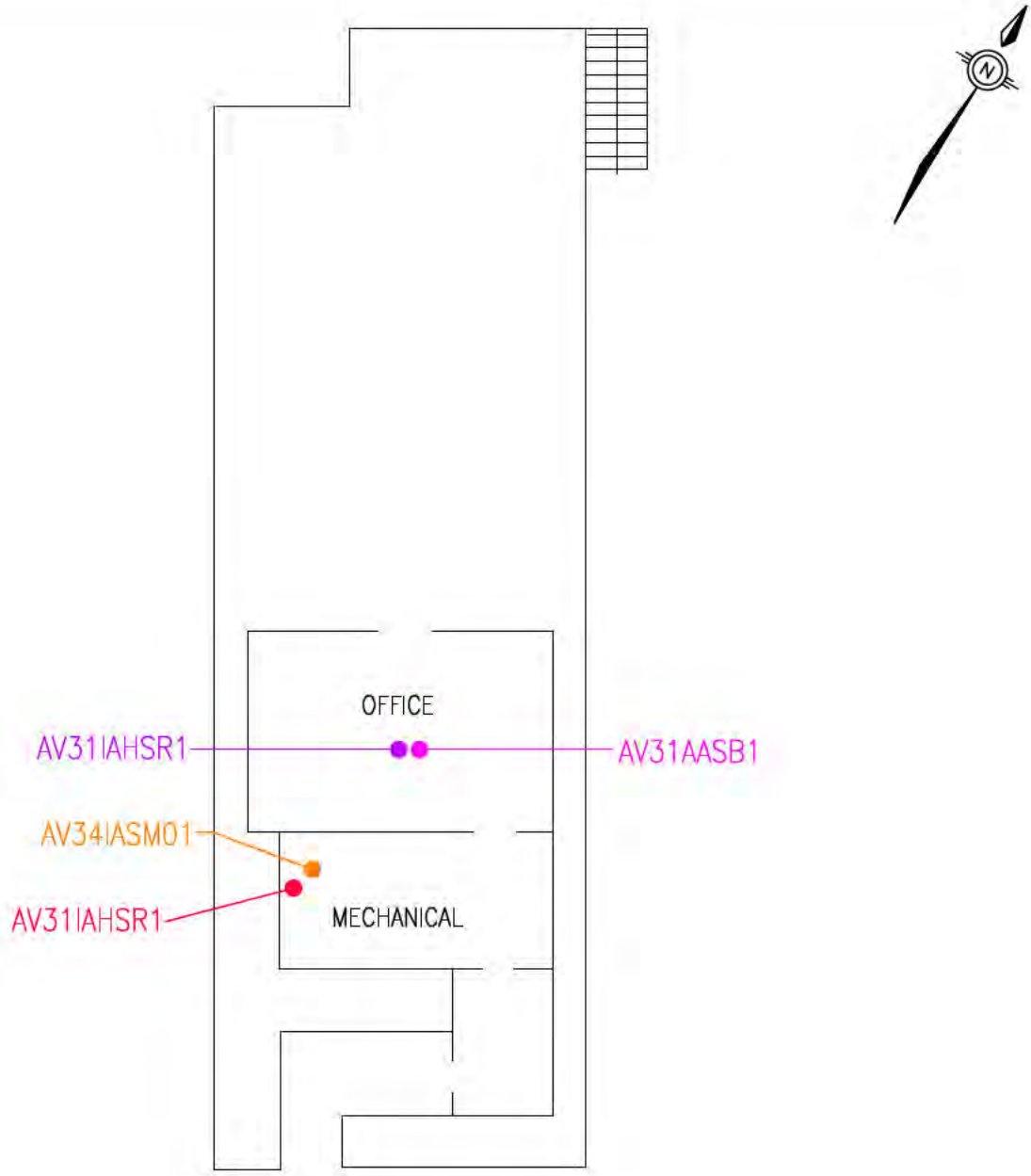
NOT TO SCALE

FIGURE 1
AV29 (FIRST FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/16/15
DRAWN BY: BRONSON	DWG NAME: 17816_B004

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B004_AV 29_FLOOR PLANS_GTMO.dwg



AV31 FIRST FLOOR

LEGEND

– STAIRS

– DOOR

SAMPLE TYPES

– ASBESTOS
– HAPSITE
– RADON
– SUMMA CANISTER

NOT TO SCALE

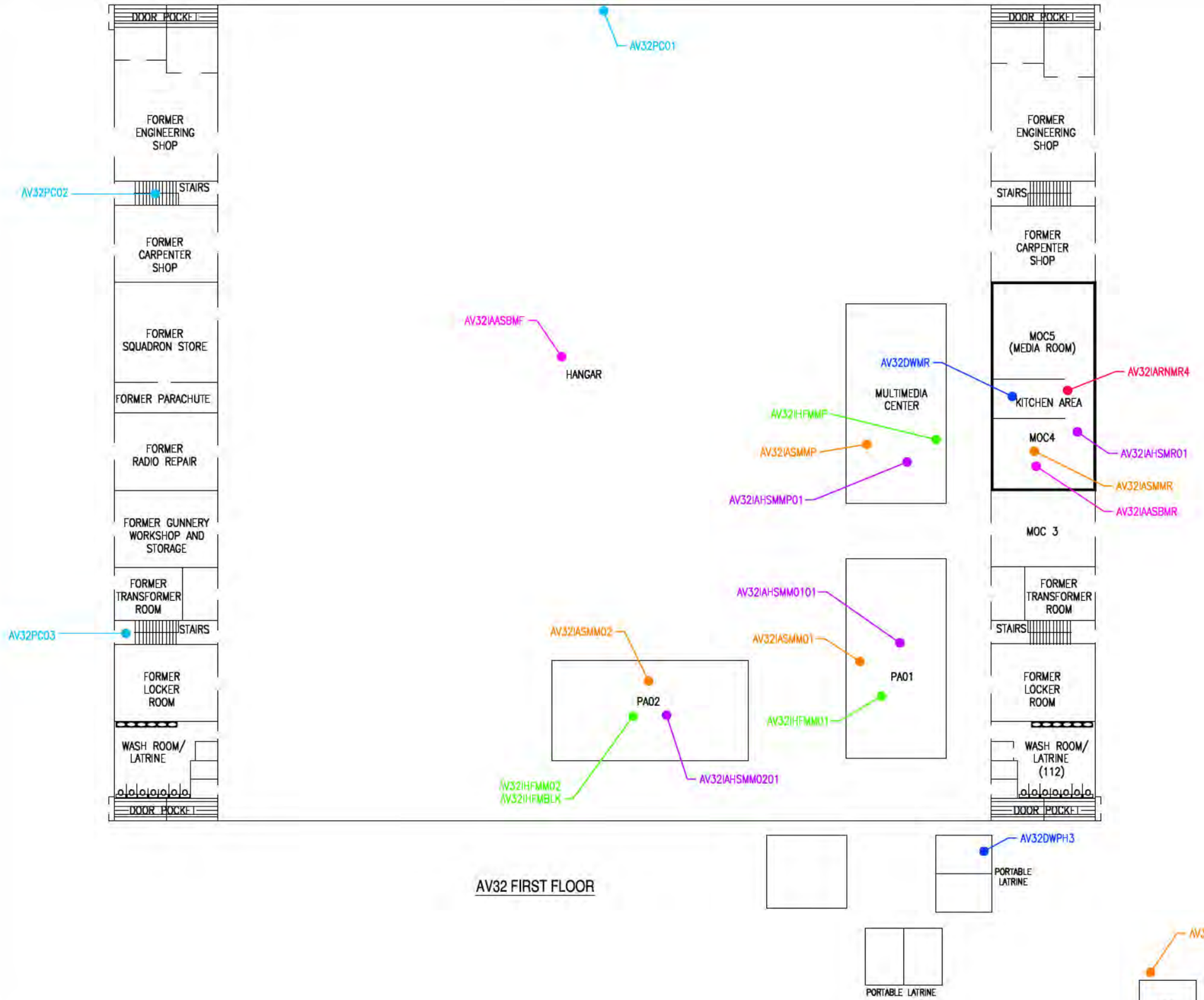
FIGURE 2
AV31 (FIRST FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B007

I:\CAD PROJECTS\17816 NS GTMO\PLANS\17816_B007_AV 31_GTMO.DWG



AV32 FIRST FLOOR

NOT TO SCALE

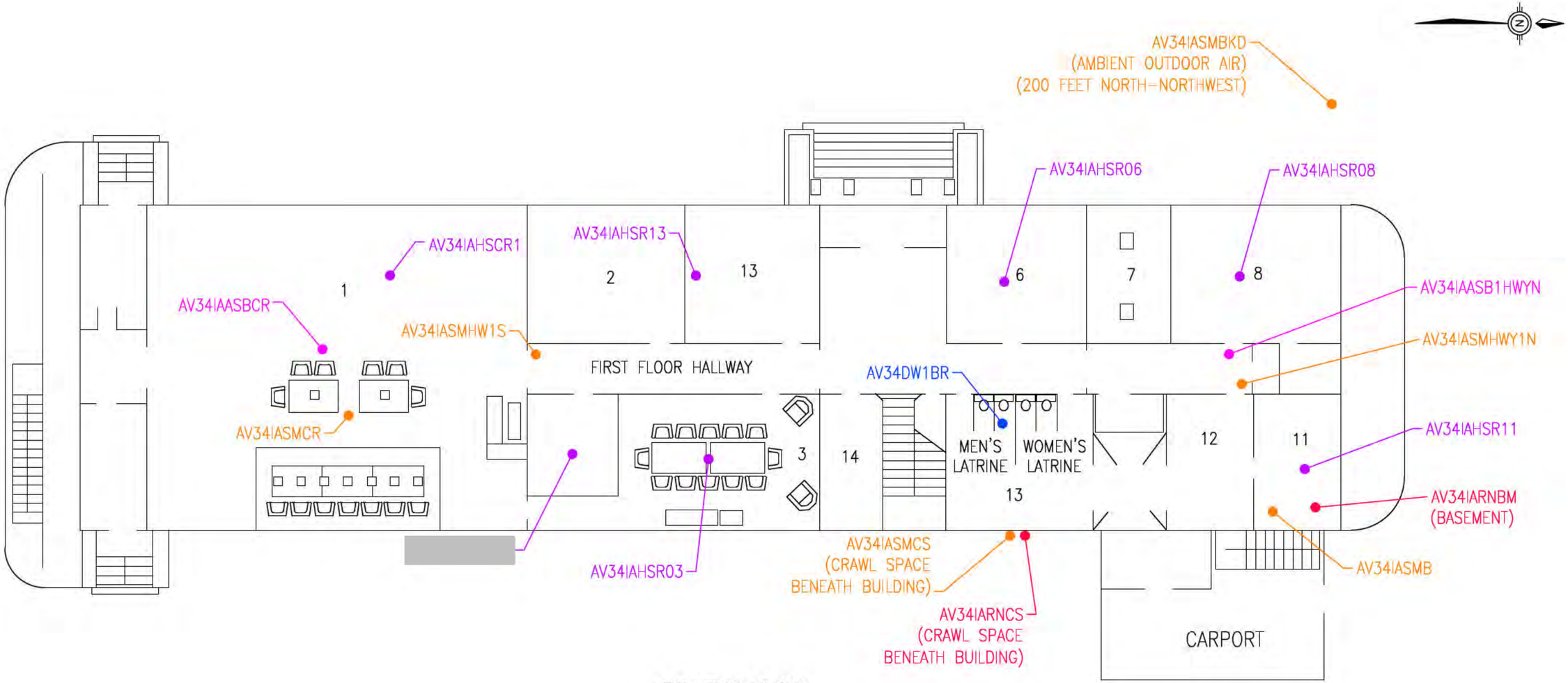
FIGURE 3
AV32 (FIRST FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/20/15
DRAWN BY: BRONSON	DWG NAME: 17816_B005

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B005_AV 32_FLOOR PLANS_GTMO.dwg



AV34 FIRST FLOOR

LEGEND

- STAIRS
- DOOR

SAMPLE TYPES

- ASBESTOS
- DRINKING WATER
- HAPSITE
- RADON
- SUMMA CANISTER

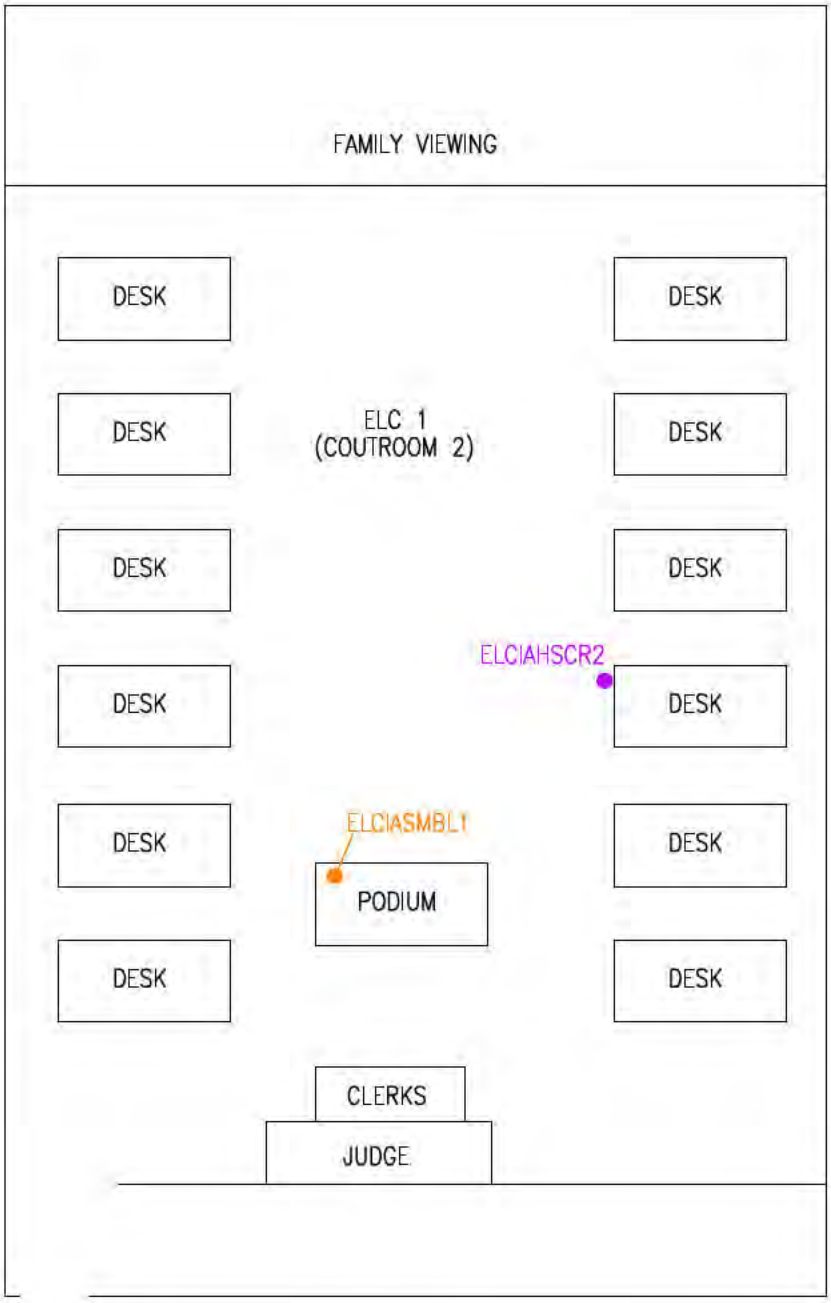
NOT TO SCALE

FIGURE 4
AV34 (FIRST FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B003

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B003_AV 34_FLOOR PLANS_GTMO.dwg



LEGEND

- STAIRS
- DOOR

SAMPLE TYPES

- HAPSITE
- SUMMA CANISTER

NOT TO SCALE

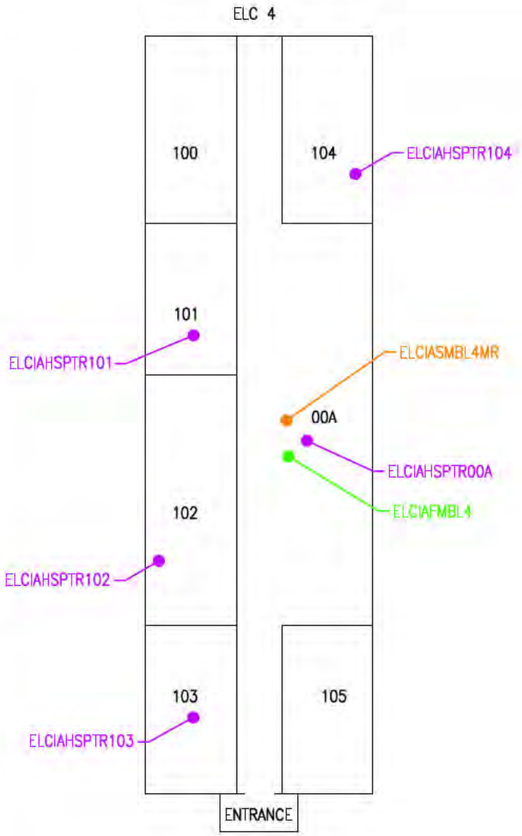
FIGURE 5
ELC 1 (COURTROOM 2) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

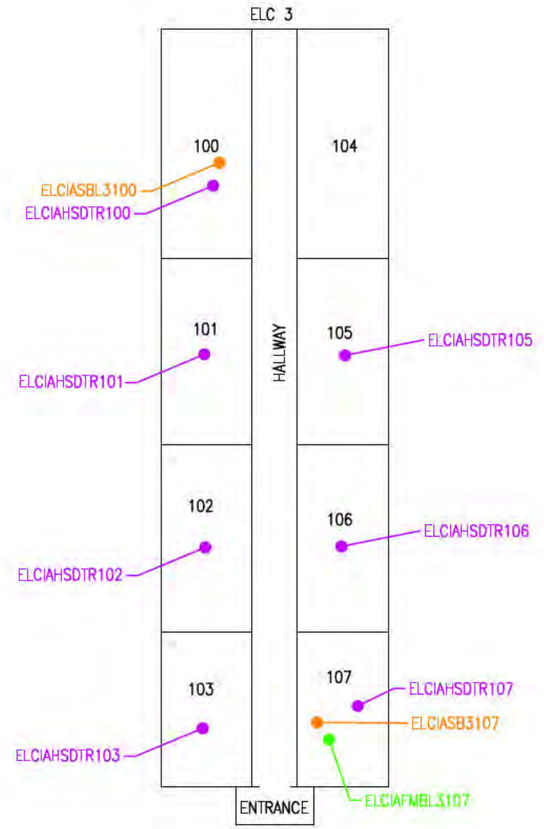
NAVFAC Naval Facilities Engineering Command

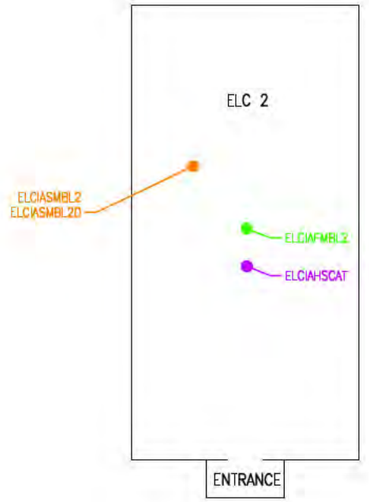
RESOLUTION CONSULTANTS

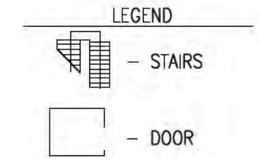
REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B002

I:\CAD PROJECTS\17816 NS GTMO\PLANS\17816_B002_ELC_FLOOR PLANS_GTMO.DWG









LEGEND

– STAIRS

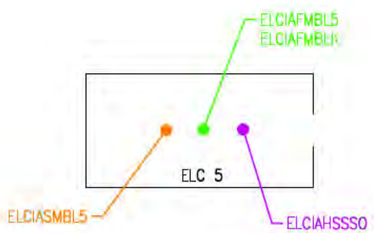
– DOOR

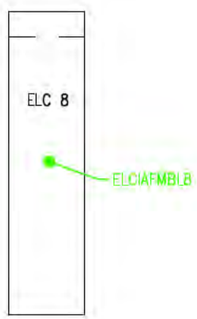
SAMPLE TYPES

– FORMALDEHYDE

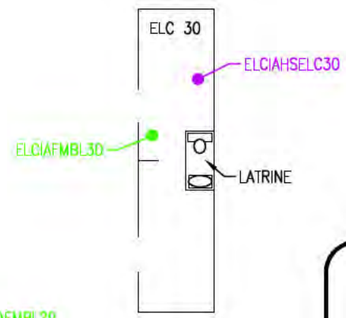
– HAPSITE

– SUMMA CANISTER









NOT TO SCALE

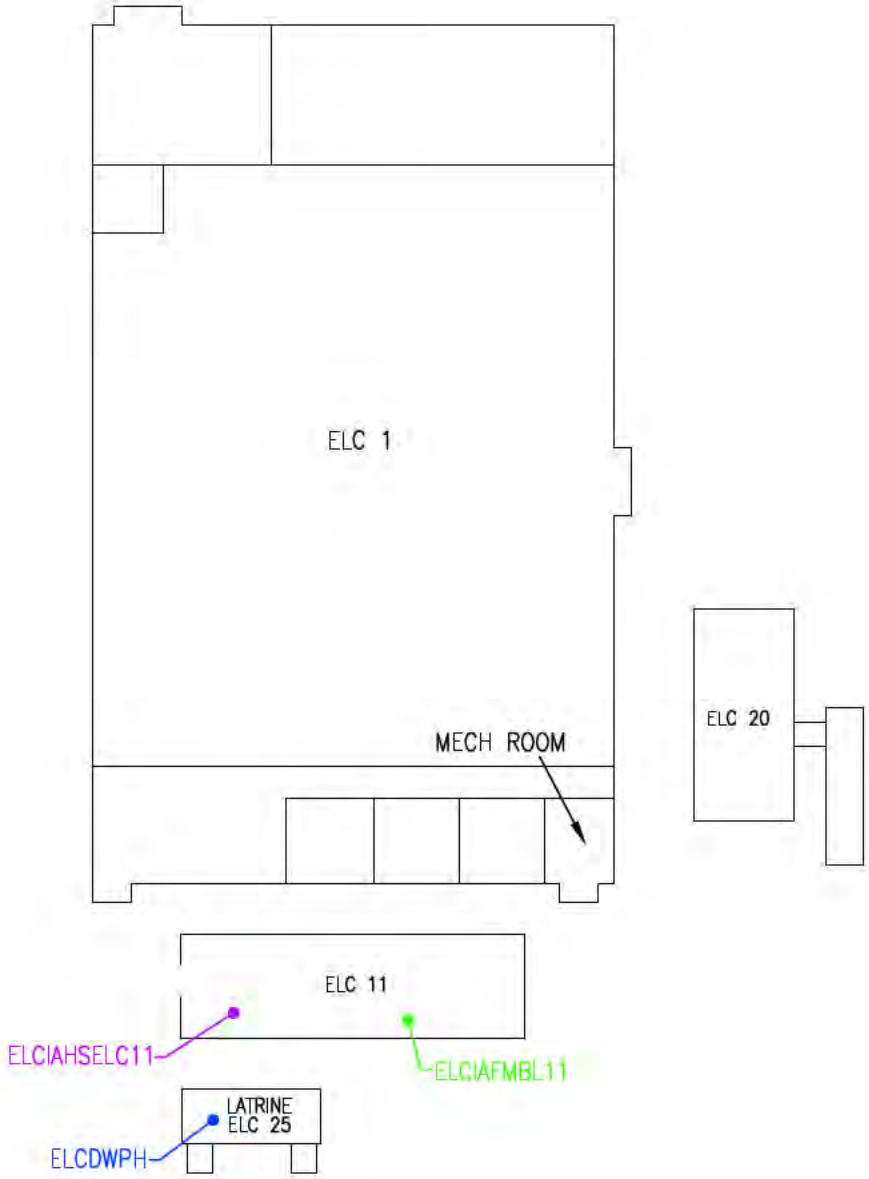
FIGURE 6
ELC 2, 3, 4, 5, 8, 29, AND 30 FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: D.FUEHRER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B002

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B002_ELC_FLOOR PLANS_GTMO.dwg



LEGEND

– STAIRS

– DOOR

SAMPLE TYPES

– DRINKING WATER

– FORMALDEHYDE

– HAPSITE

NOT TO SCALE

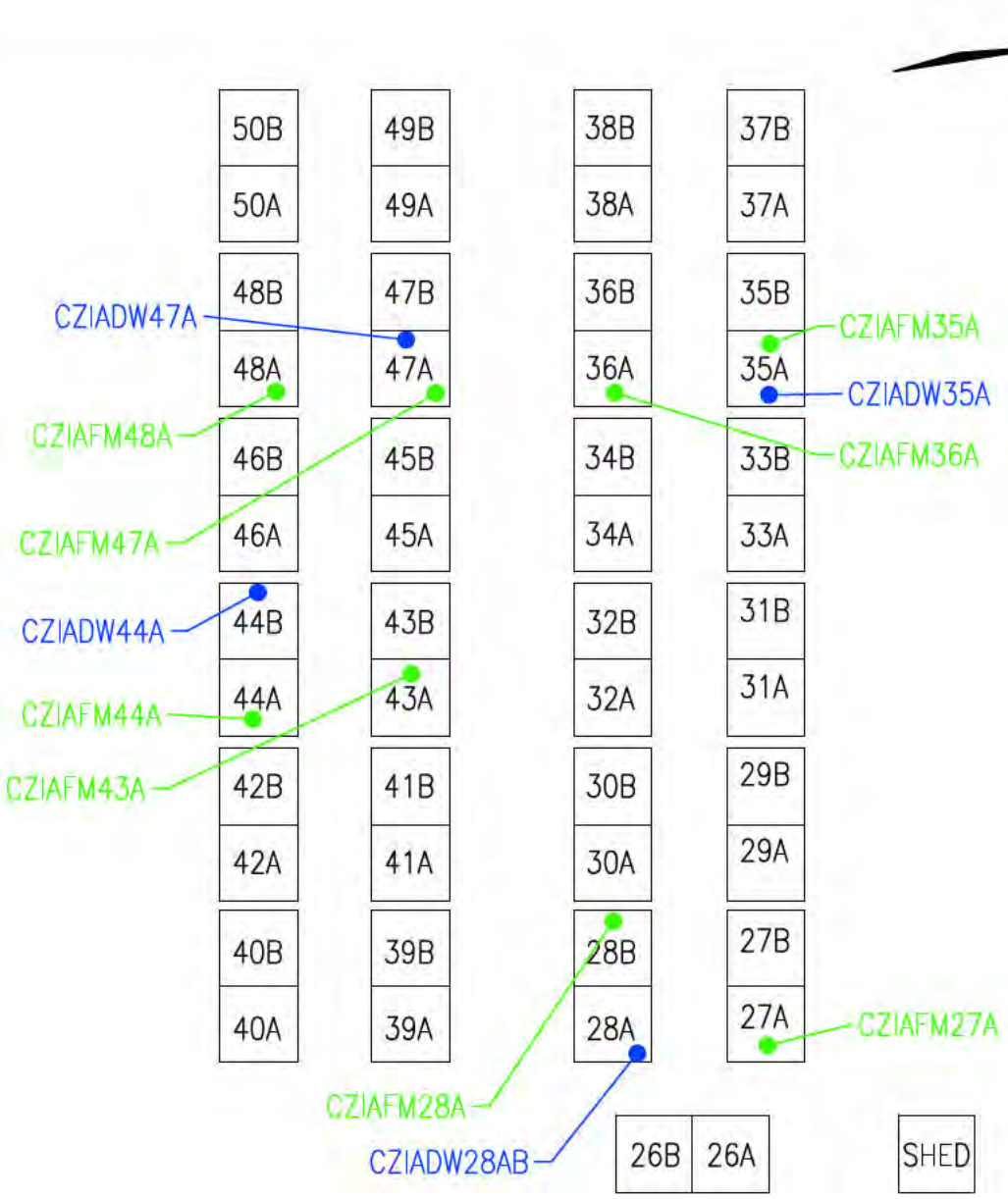
FIGURE 7
ELC 11 FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: D.FUEHRER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B002

I:\CAD PROJECTS\17816 NS GTMO\PLANS\17816_B002_ELC_FLOOR PLANS_GTMO.DWG



NEW CUZCOS

SAMPLE TYPES
- – DRINKING WATER
- – FORMALDEHYDE

NOT TO SCALE

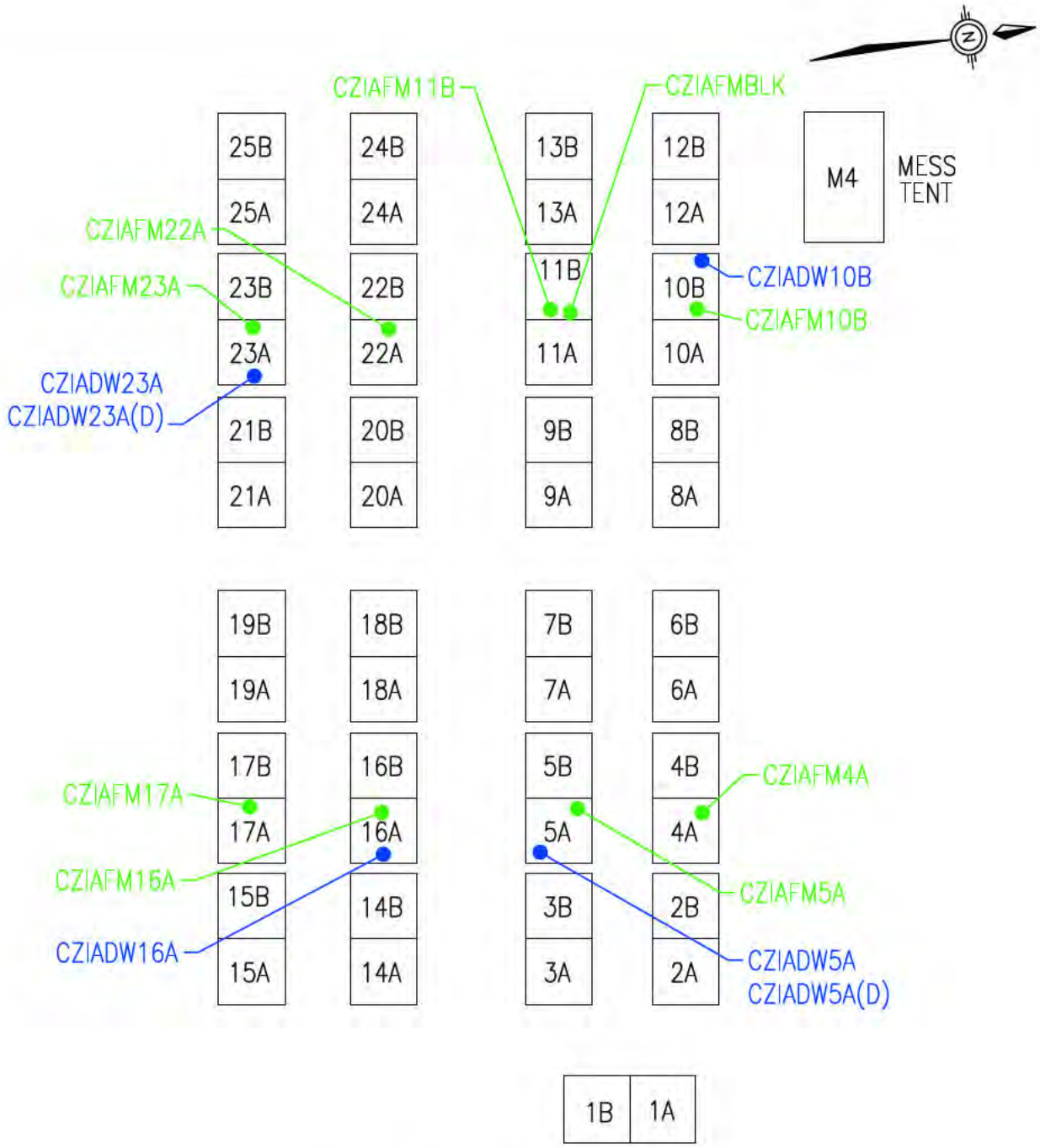
FIGURE 8
NEW CUZCOS
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B006

I:\CAD PROJECTS\17816 NS GTMO\PLANS\17816_B006_CUZCOS_TENTS_GTMO.DWG



OLD CUZCOS

SAMPLE TYPES
- DRINKING WATER
- FORMALDEHYDE

NOT TO SCALE

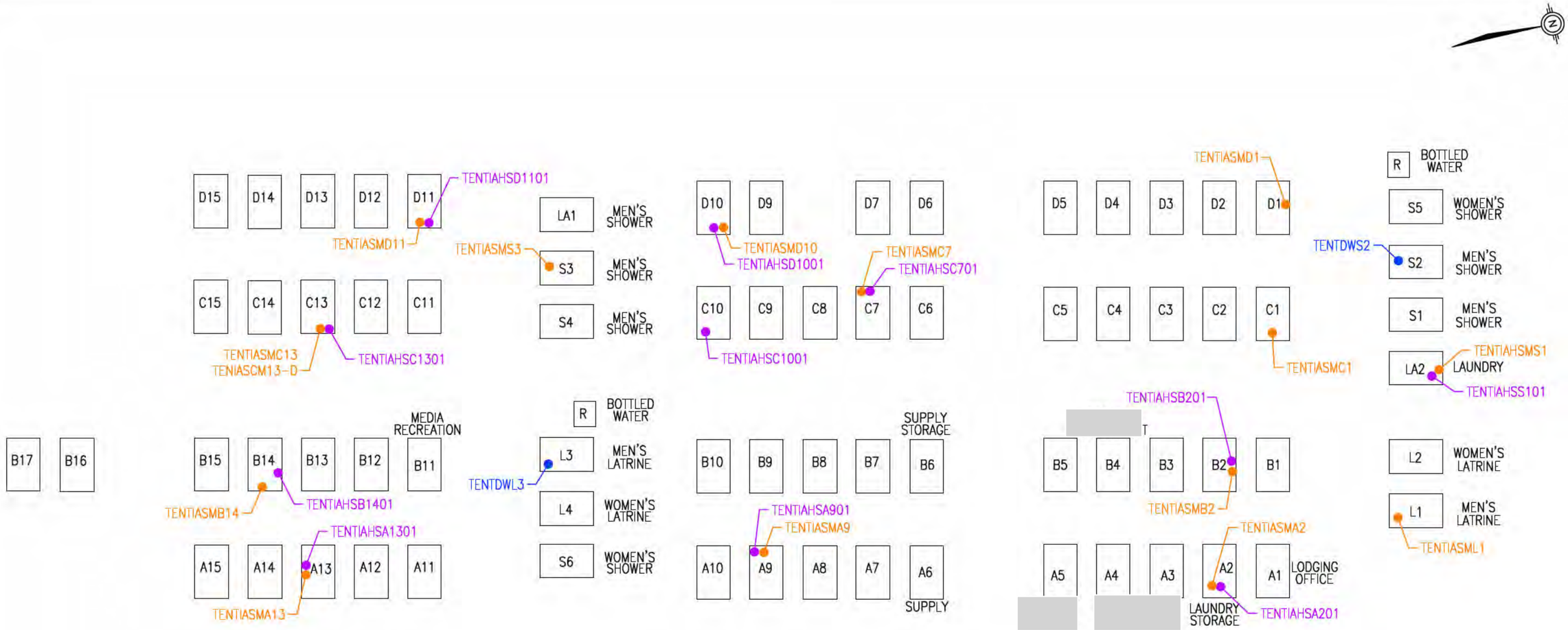
FIGURE 9
OLD CUZCOS
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B006

I:\CAD PROJECTS\17816 NS GTMO\PLANS\17816_B006_CUZCOS_TENTS_GTMO.DWG



TENTS

NOT TO SCALE

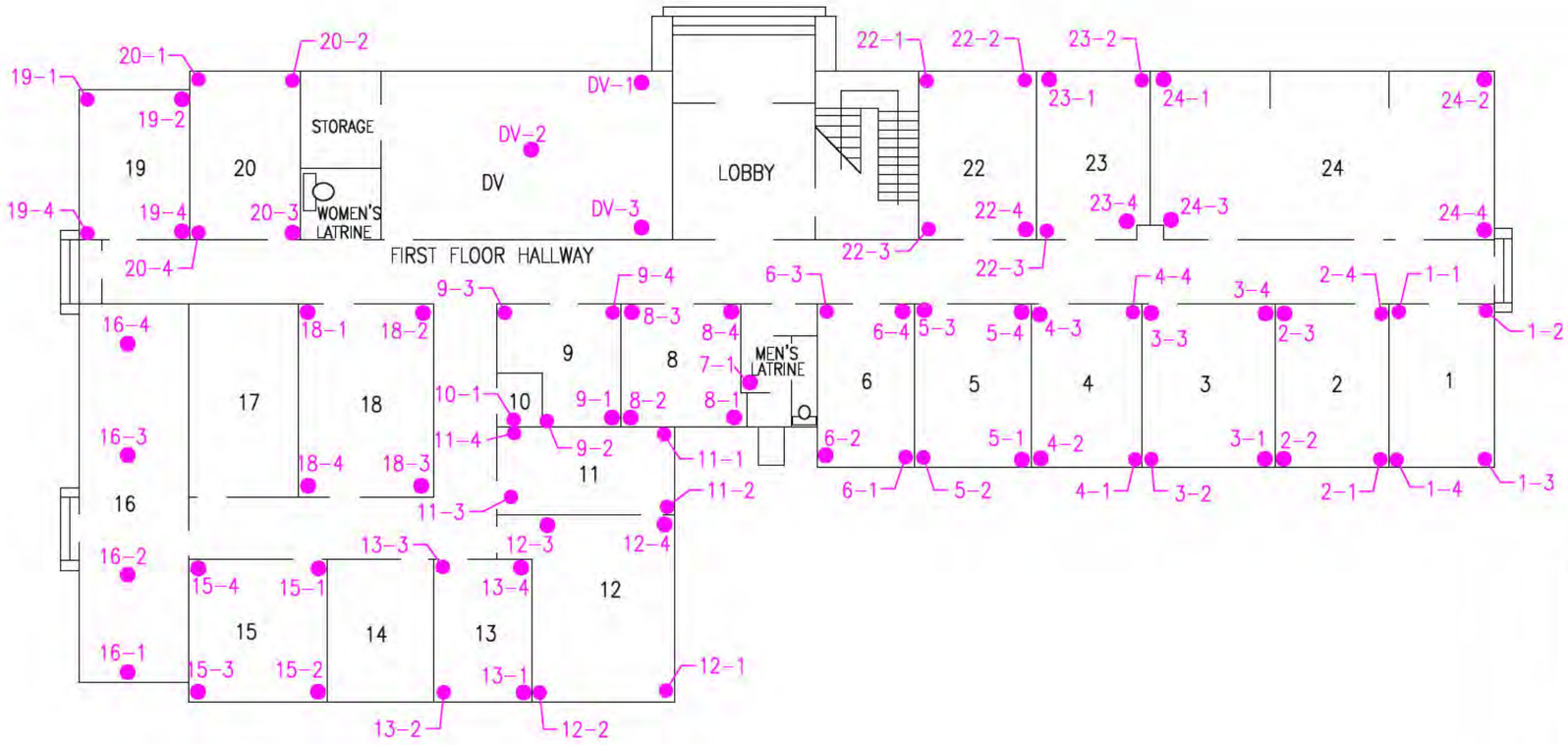
SAMPLE TYPES
- – DRINKING WATER
- – HAPSITE
- – SUMMA CANISTER

FIGURE 10
TENTS
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B006

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B006_CUZCOS_TENTS_GTMO.dwg



AV29 FIRST FLOOR

NOTE:
ALL SAMPLE IDENTIFICATION NUMBERS BEGIN WITH AV29IAHGRM. THE FIGURE ONLY SHOWS THE LAST CHARACTERS OF THE SAMPLE IDENTIFICATION NUMBER FOR EACH LOCATION. FOR EXAMPLE, THE COMPLETE SAMPLE IDENTIFICATION NUMBER FOR SAMPLE 22-1 IS AV29IAHGRM22-1.

LEGEND

- STAIRS
- DOOR

SAMPLE TYPES

- MERCURY

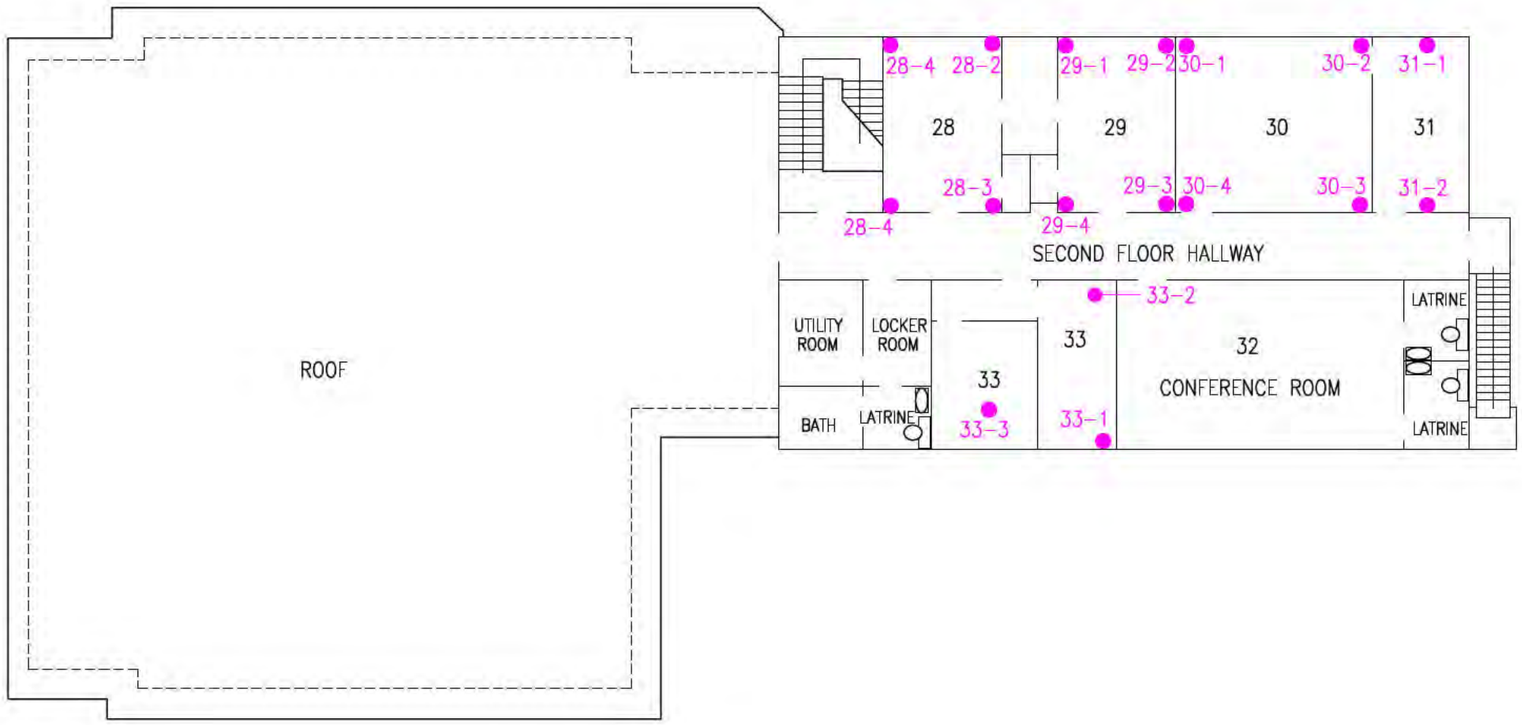
NOT TO SCALE

FIGURE 11
AV29 (FIRST FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/16/15
DRAWN BY: BRONSON	DWG NAME: 17816_B004

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B004_AV 29_FLOOR PLANS_GTMO.dwg



AV29 SECOND FLOOR

NOTE:
ALL SAMPLE IDENTIFICATION NUMBERS BEGIN WITH AV29IAHGRM. THE FIGURE ONLY SHOWS THE LAST CHARACTERS OF THE SAMPLE IDENTIFICATION NUMBER FOR EACH LOCATION. FOR EXAMPLE, THE COMPLETE SAMPLE IDENTIFICATION NUMBER FOR SAMPLE 22-1 IS AV29IAHGRM22-1.

LEGEND

- STAIRS
- DOOR

SAMPLE TYPES

- MERCURY

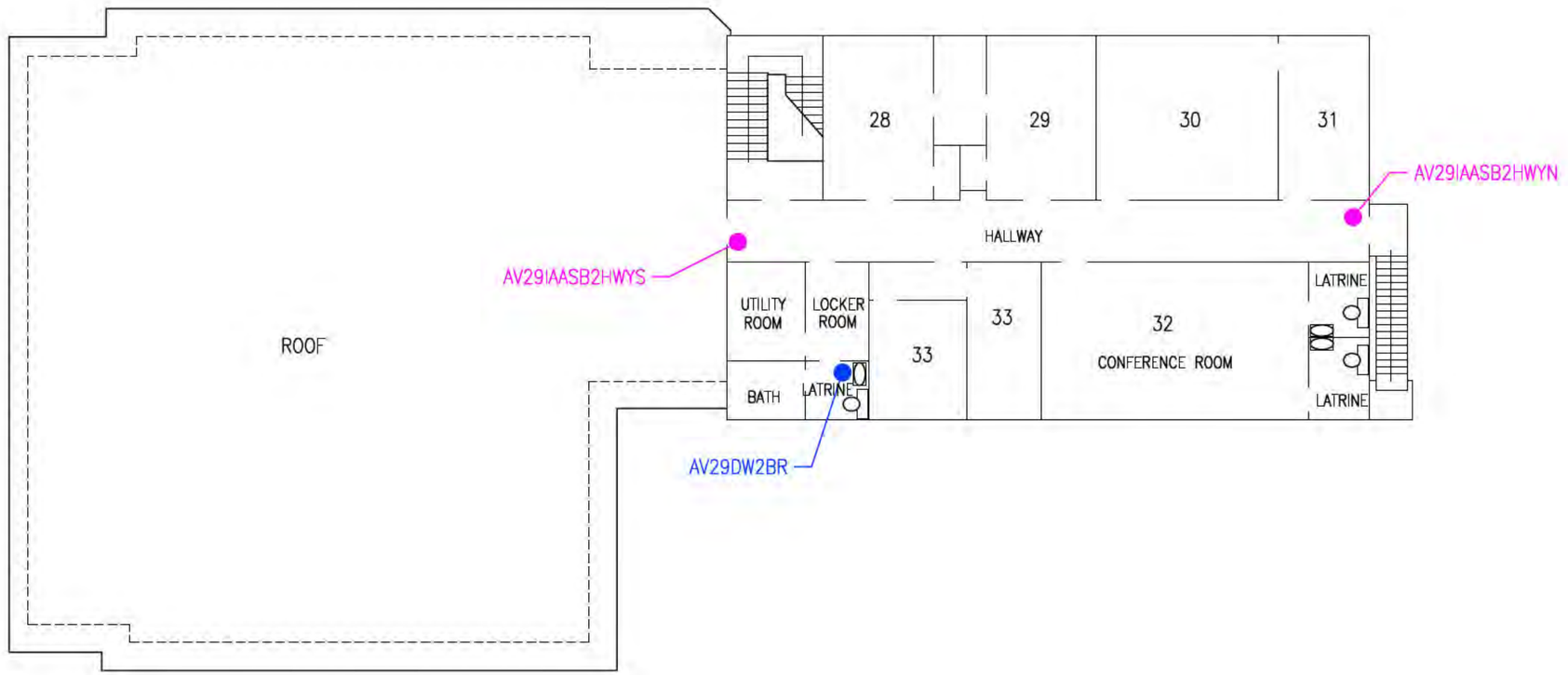
NOT TO SCALE

FIGURE 12
AV29 (SECOND FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/16/15
DRAWN BY: BRONSON	DWG NAME: 17816_B004

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B004_AV 29_FLOOR PLANS_GTMO.dwg



AV29 SECOND FLOOR

LEGEND

– STAIRS

– DOOR

SAMPLE TYPES

– ASBESTOS

– DRINKING WATER

NOT TO SCALE

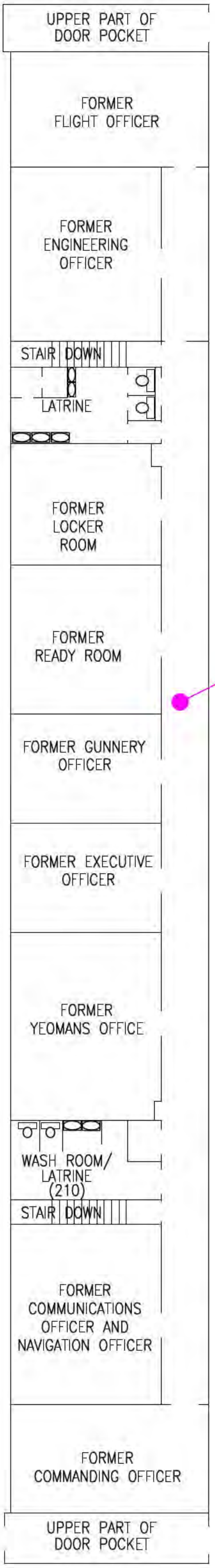
FIGURE 13
AV29 (SECOND FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/16/15
DRAWN BY: BRONSON	DWG NAME: 17816_B004

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B004_AV 29_FLOOR PLANS_GTMO.dwg



AV32 SECOND FLOOR - WEST

SAMPLE TYPES

● – ASBESTOS

LEGEND

– STAIRS

– DOOR

NOT TO SCALE

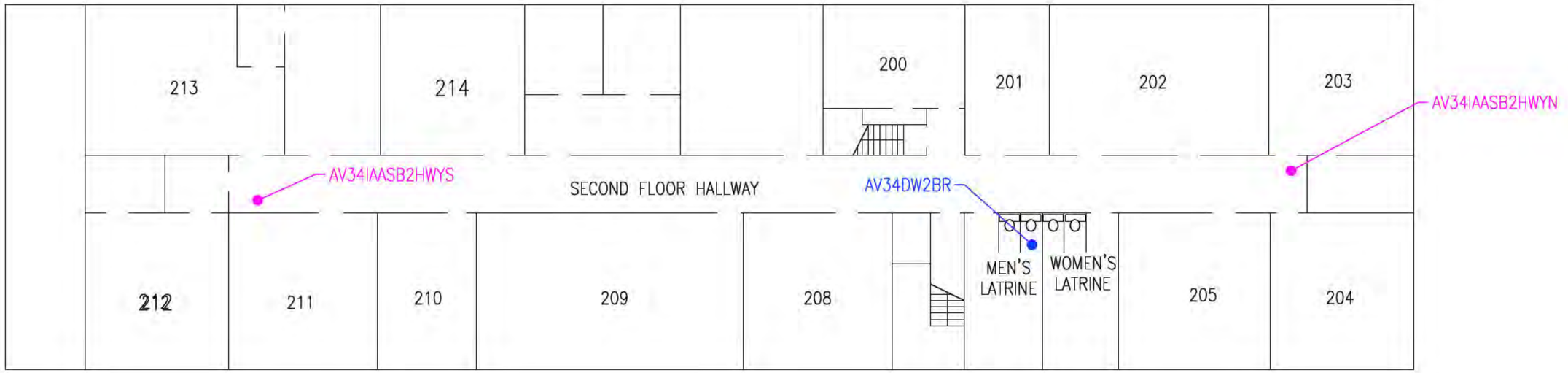
FIGURE 14
AV32 (SECOND FLOOR WEST) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B005

I:\CAD PROJECTS\17816 NS GTMO\PLANS\17816_B005_AV 32_FLOOR PLANS_GTMO.DWG



AV34 SECOND FLOOR

LEGEND

– STAIRS

– DOOR

SAMPLE TYPES

– ASBESTOS

– DRINKING WATER

NOT TO SCALE

FIGURE 15
AV34 (SECOND FLOOR) FLOOR PLAN
ENVIRONMENTAL INVESTIGATION
NS GTMO – CAMP JUSTICE
GUANTANAMO BAY, CUBA

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: H.BRAUER	DATE: 11/18/15
DRAWN BY: BRONSON	DWG NAME: 17816_B003

I:\CAD PROJECTS\17816 NS GTMO\Plans\17816_B003_AV 34_FLOOR PLANS_GTMO.dwg

Appendix B
Standard Operating Procedures Table

SAMPLING AND FIELD ANALYSIS STANDARD OPERATING PROCEDURES		
SOP Reference Number	**Title/Author**	**Revision Date/Version Number**
SOP 3-01	*Utility Clearance*	Revision 0; May 2012
SOP-3-02	*Log Books*/Resolution Consultants	Revision 0; May 2012
SOP-3-03A	*Record Keeping, Sampling Labeling, and Chain-of-Custody*/Resolution Consultants	Revision 0; May 2012
SOP-3-04	*Sample Handling, Storage, and Shipping*/Resolution Consultants	Revision 0; May 2012
SOP-3-05	*Investigation-Derived Waste Management*/Resolution Consultants	Revision 0; May 2012
SOP-3-06	*Equipment Decontamination*/Resolution Consultants	Revision 0; May 2012
SOP 3-20	*Operation and Calibration of a PID*	Revision 0; May 2012
SOP 3-21	*Surface and Subsurface Soil Sampling*	Revision 0; May 2012
SESDPROC-110-R3	Global Positioning System/U.S. EPA, Region 4	Revision 3, April 2011
GTMO-VI-03	*IA-AA Sampling with Canisters*	Revision 0, September 2015
GTMO-FOR	*Formaldehyde Sampling*	Revision 0, September 2015
GTMO-PCB	*PCB-Based Paint Sampling*	Revision 0, September 2015
GTMO-RAD	*Radon Sampling*	Revision 0, September 2015
RC VI-02-IA-AA	*Collection of Indoor Air and Ambient Samples Using Sampling Canisters*	Revision 0; September 2015
RC-VI-03	*Indoor and Ambient Air Screening Using the HAPSITE*	Revision 0; September 2015
TSI Models 8530/8531/ 8532/8530EP	*DustTrak II Aerosol Monitor Operation and Service Manual, Rev. M*	December 2014
TSI Model 7575	*Q-TRAK Indoor Air Quality Monitor, Rev. E*	October 2014
TSI Model 9565	*Velocicalc Air Velocity Meter Operation and Service Manual*	January 2014
Jerome Model J405	*Jerome J405 Mercury Vapor Analyzer*	July 2014
RAE Systems	*MiniRAE 3000 User's Guide, Rev. D*	April 2014
RAE Systems	*GammaRAE IIR Personal Radiation Monitor and Dosimeter, Rev. D*	December 2010
U.S. EPA	*U.S. EPA Quick Guide to Drinking Water*	April 2005
SOP #1	*VOC Analysis by Field-Portable GC/MS Standard Operating Procedures*/KD Analytical	Revision 7, December 2014
HACH Method CN-70	*Chlorine (Free and Total), Edition 3*	March 2013
HACH Method 8319	*Coliforms, Presence/Absence, Edition 8*	September 2013
NIOSH Method 7400	Asbestos and Other Fibers by PCM: Method 7400, Occupational Safety and Health Standards — Toxic and Hazardous Substances: OSHA Reference Method — Mandatory	1910.1001 Appendix A, August 1994
Air Toxics	Guide to Air Sampling and Analysis	April 2008

Notes:

SOP = Standard Operating Procedure
PID = photoionization detector
U.S. EPA = United States Environmental Protection Agency
GC/MS = Gas chromatography/Mass spectrophotometry
PCM = Point-Count Method
OSHA = Occupational Safety and Health Administration
PCB = polychlorinated biphenyl
VOC = volatile organic compounds
GTMO = Guantanamo Bay
IA-AA = Indoor Air/Ambient Air
NIOSH = National Institute for Occupational Safety and Health

Appendix C
Photographs

C-1
HAPSITE and Summa Locations

Appendix C-1
HAPSITE/SUMMA/Drinking Water Sampling
OMC — Camp Justice — NS GTMO, Cuba

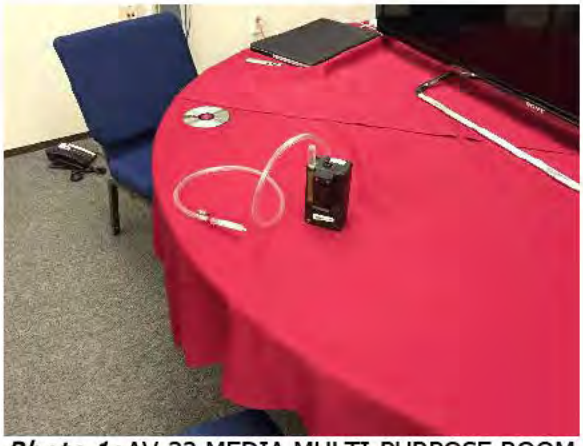


Photo 1: AV-32 MEDIA MULTI-PURPOSE ROOM FORMALDEHYDE SAMPLING



Photo 2: AV-32 MEDIA MULTI-PURPOSE ROOM HAPSITE



Photo 3: AV-32 MEDIA MULTI-PURPOSE ROOM SUMMA SAMPLING



Photo 4: AV-32 MEDIA ROOM #1



Photo 5: AV-32 MEDIA ROOM #2



Photo 6: AV-32 MEDIA ROOM #4 HAPSITE

Appendix C-1
HAPSITE/SUMMA/Drinking Water Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 7: AV-32 MEDIA ROOM #4 SUMMA SAMPLING



Photo 8: MCCALLA HILL ROAD BUS SHELTER (BACKGROUND LOCATION)



Photo 9: TENT A2 LAUNDRY ROOM CHEMICAL CLEANING PRODUCTS



Photo 10: TENT A2 LAUNDRY ROOM OILY RAG CAN



Photo 11: TENT A2 LAUNDRY ROOM



Photo 12: TENT A2 SUMMA-1

Appendix C-1
HAPSITE/SUMMA/Drinking Water Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 13: TENT A2 SUMMA-2



Photo 14: TENT A2 SUMMA-3



Photo 15: TENT A9



Photo 16: TENT A13



Photo 17: TENT B2 AIR FRESHENER-2



Photo 18: TENT B2 CLEANER AND SUMMA

Appendix C-1
HAPSITE/SUMMA/Drinking Water Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 19: TENT B2 CLEANER



Photo 20: TENT B2



Photo 21: TENT B14 AIR FRESHENER-1



Photo 22: TENT B14 AIR FRESHENER-2



Photo 23: TENT B14



Photo 24: TENT C7

Appendix C-1
HAPSITE/SUMMA/Drinking Water Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 25: TENT C10



Photo 26: TENT C13 DUPLICATE SAMPLE



Photo 27: TENT C13



Photo 28: TENT D1



Photo 29: TENT D10



Photo 30: TENT D11

Appendix C-1
HAPSITE/SUMMA/Drinking Water Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 31: TENT L1 CHEMICALS IN MALE LATRINE



Photo 32: TENT L1 SUMMA SAMPLER IN MALE LATRINE



Photo 33: TENT L1-1



Photo 34: TENT L1-2



Photo 35: TENT S1



Photo 36: TENT S2 CHEMICALS IN MALE SHOWER

Appendix C-1
HAPSITE/SUMMA/Drinking Water Sampling
OMC — Camp Justice — NS GTMO, Cuba

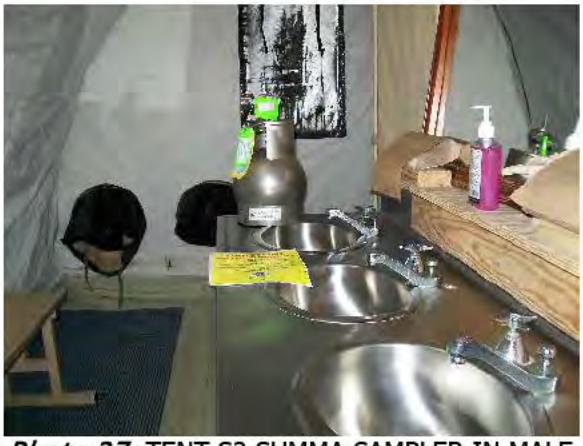


Photo 37: TENT S2 SUMMA SAMPLER IN MALE SHOWER



Photo 38: TYPICAL SIGNAGE ASSOCIATED WITH TENT SUMMA SAMPLING



Photo 39: TYPICAL SUMMA TENT SAMPLE



Photo 40: WATER SAMPLES REFLECTING SCREENING RESULTS FOR TOTAL COLIFORM

C-2
Paint Chip Sample Locations

Appendix C-2
Paint Chip Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 1: AV-32 PAINT CHIP SAMPLE PC01-1



Photo 2: AV-32 PAINT CHIP SAMPLE PC01-2

Appendix C-2
Paint Chip Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 3: AV-32 PAINT CHIP SAMPLE PC02-1



Photo 4: AV-32 PAINT CHIP SAMPLE PC02-2

Appendix C-2
Paint Chip Sampling
OMC — Camp Justice — NS GTMO, Cuba



Photo 5: AV-32 PAINT CHIP SAMPLE PC03-1



Photo 6: AV-32 PAINT CHIP SAMPLE PC03-2

C-3
Soil Sample Locations

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 1: A6



Photo 2: B5



Photo 3: B7



Photo 4: C4



Photo 5: C7



Photo 6: C8

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 7: C9



Photo 8: D3



Photo 9: D4



Photo 10: D5



Photo 11: D7

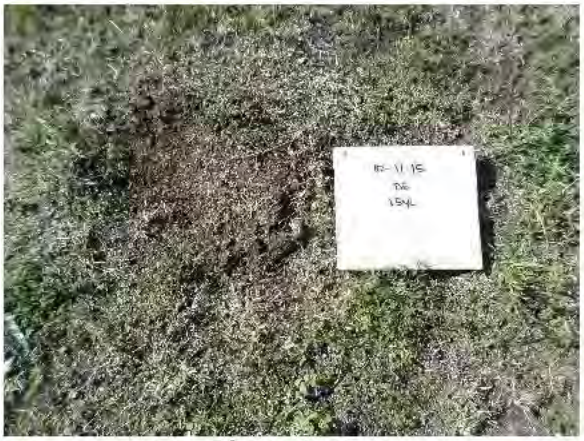


Photo 12: D8

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 13: D9

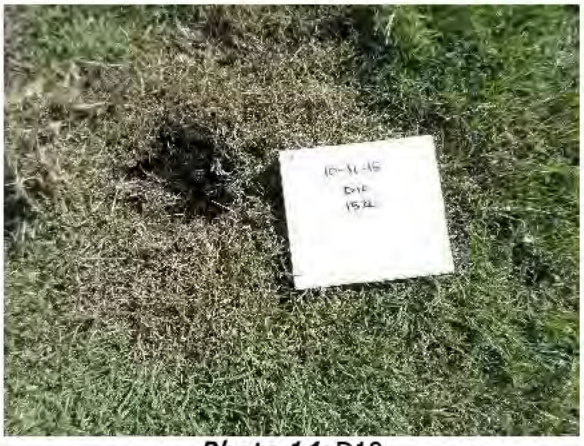


Photo 14: D10



Photo 15: E2



Photo 16: E3



Photo 17: E4



Photo 18: E5

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 19: E6



Photo 20: F1



Photo 21: F2



Photo 22: F5



Photo 23: F7



Photo 24: F10

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 25: G6



Photo 26: G7



Photo 27: G8



Photo 28: G9



Photo 29: G10



Photo 30: H3

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 31: J2



Photo 32: J10



Photo 33: K1



Photo 34: K2



Photo 35: K9



Photo 36: K10

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 37: L2



Photo 38: L3



Photo 39: L4



Photo 40: L5



Photo 41: L6



Photo 42: L7

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 43: L8



Photo 44: L9



Photo 45: L10



Photo 46: M2



Photo 47: M3



Photo 48: M4

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 49: M5



Photo 50: M6



Photo 51: M7



Photo 52: M8



Photo 53: M9



Photo 54: M10

Appendix C-3
Grid Node Soil Sample Locations
OMC — Camp Justice — NS GTMO, Cuba



Photo 55: N3



Photo 56: N4

C-4
Ionizing Radiation Survey Anomaly Locations

Appendix C-4
Ionizing Radiation Survey Anomalies
OMC — Camp Justice — NS GTMO, Cuba



Photo 1: ANOMALY LOCATION #1



Photo 2: ANOMALY LOCATION #2



Photo 3: ANOMALY LOCATION #3 — MANHOLE



Photo 4: ANOMALY LOCATION #4 — CONCRETE SLABS

Appendix D
Field Sample Sheets

D-1

Summa and HAPSITE Forms

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15	Date /Time: Same as Start
Sample Point: ELC IAHS CAT	Outside Temp: low 90s °C or (F)	Outside Temp: _____ °C or F
Building ID: ELC	Wind 5 mph. Out of the N	Wind ____ mph. Out of the ____
Room ID: CAT	Precip. NONE	Precip. TRC 10/13/15
Personnel: TCANTWELL	Inside: Temp: _____ °C or (F)	Inside: Temp: _____ °C or F
Personnel: AWanta	HVAC: ON	HVAC: _____
	Operations: Convient Authority Trailer / office Area	Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
				NA	TRC	10/13/15		

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full
			NA	TRC	10/13/15	

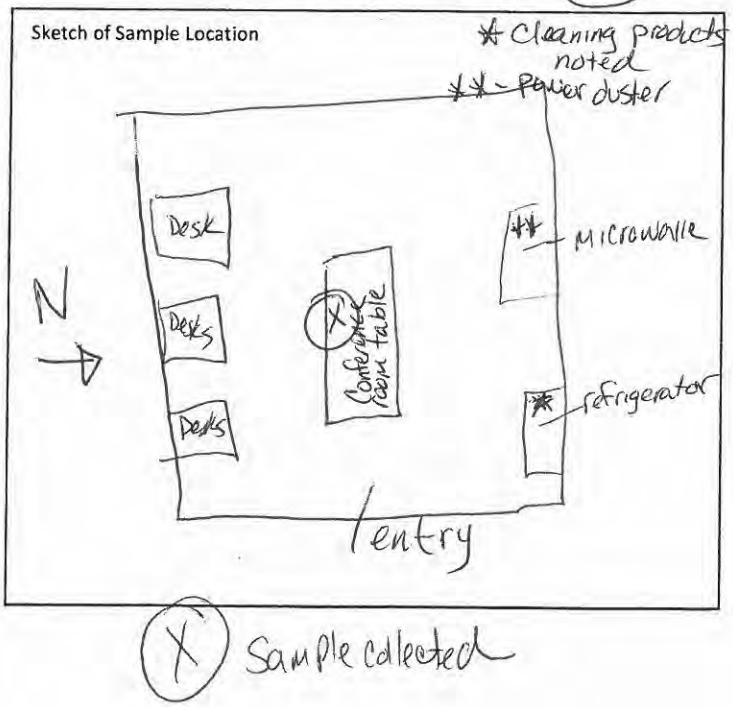
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

General Notes: Cleaning products noted on top of the refrigerator: Clorox wipes glass cleaner, Power green, Furnature polish (old English), Power duster noted on microwave table.

Sketch of Sample Location



(X) Sample collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15	Date /Time: Same as Start
Sample Point: ELC IAHSELC8	Outside Temp: low 90s °C or (F)	Outside Temp: _____ °C or F
Building ID: ELC8	Wind 5 mph. Out of the N	Wind ____ mph. Out of the ____
Room ID: ELC8	Precip. None	Precip. TRC 10/13/15
Personnel: TANTELL	Inside: Temp: Approx 72 °C or (F)	Inside: Temp: _____ °C or F
Personnel: AWANTA	HVAC: ON	HVAC: _____
	Operations: Portable Building	Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
			NA	TRC				
					10/13/15			

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full
			NA	TRC	10/13/15	

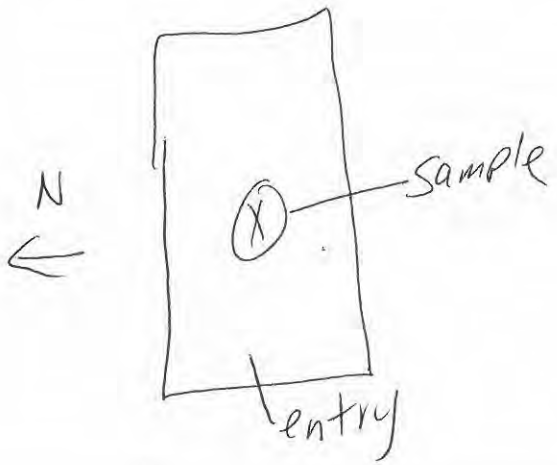
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes (No)

General Notes:_____

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC DT	Date / Time: 10/13/15	Date /Time: Same as Start
Sample Point: ELC 1 THSR 107	Outside Temp: high 80s °C or (F)	Outside Temp: _____ °C or F
Building ID: ELC-3	Wind 5 mph. Out of the E	Wind ____ mph. Out of the ____
Room ID: R107	Precip. None	Precip. TRC 10/13/15
Personnel: TCANTWELL	Inside: Temp: Approx 72 °C or (F)	Inside: Temp: _____ °C or F
Personnel: AWANTA	HVAC: ON	HVAC: _____
	Operations: Defunse office space	Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

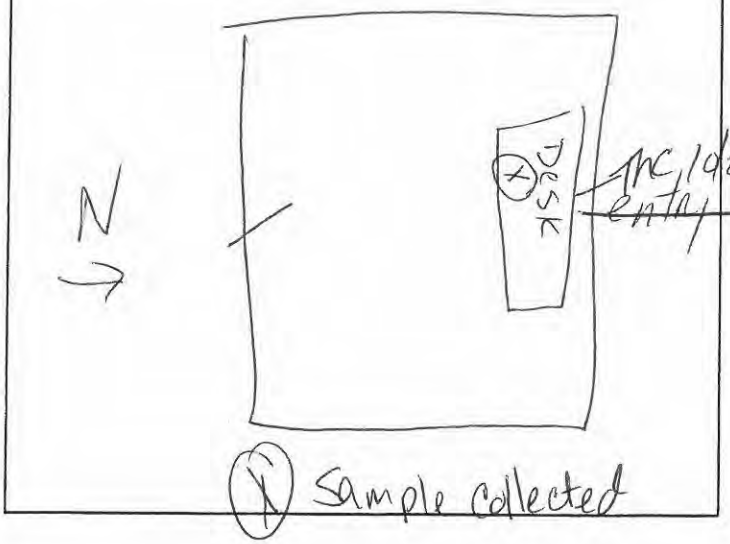
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

General Notes:_____

Was area photographed? Yes / (No)

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15	Date / Time: Same as Start
Sample Point: ELC1AHSDTR103	Outside Temp: mid 80s °C or (F)	Outside Temp: ____ °C or F
Building ID: ELC-8	Wind 5 mph. Out of the E	Wind ____ mph. Out of the ____
Room ID: ELC 103	Precip. None	Precip. ____
Personnel: T Cantwell	Inside: Temp: Approx 72 °C or (F)	Inside: Temp: ____ °C or F
Personnel: A Wanta	HVAC: ON	HVAC: ____
	Operations: office	Operations: ____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

NA TRC 10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

10/13/15

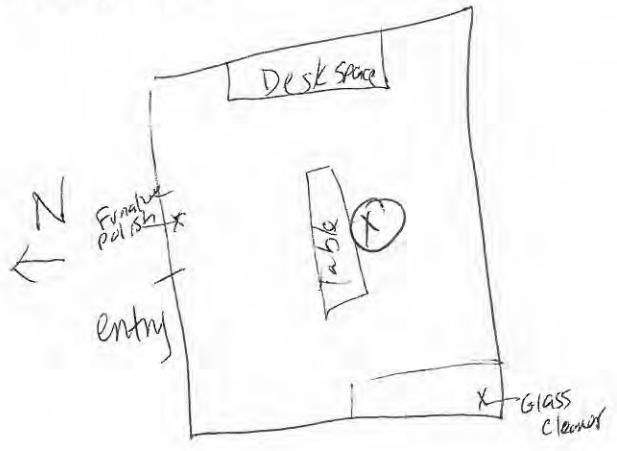
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes: Cleaners observed in room
old English Furniture polish, glass cleaner

Sketch of Sample Location



(X) sample collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15	Date /Time: SAME AS START
Sample Point: ELC1AHSSSO	Outside Temp: MID 90s °C or F	Outside Temp: _____ °C or F
Building ID: SSO ELC	Wind 5 mph. Out of the N	Wind ____ mph. Out of the ____
Room ID: SSO	Precip. NONE	Precip. THC 10/13/15
Personnel: TCANUELL	Inside: Temp: APPROX 75 °C or F	Inside: Temp: _____ °C or F
Personnel: AWANTA	HVAC: ON	HVAC: _____
	Operations: security office	Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: APPROX 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
			N/A				10/13/15	

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full
		N/A	10/13/15			

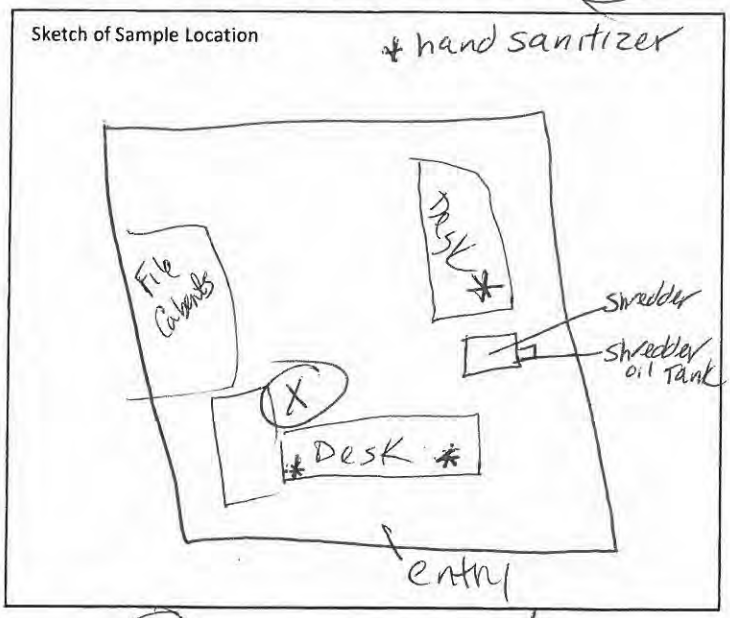
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

General Notes: hand sanitizer noted in several locations. Shredder oil tank observed

Sketch of Sample Location



(X) Sample collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ECC	Date / Time: 10/13/15	Date / Time: Same as Start
Sample Point: ECC IA HSCR2	Outside Temp: low 90s °C or (F)	Outside Temp: _____ °C or F
Building ID: ECC courtroom 2	Wind 5 mph. Out of the N	Wind ____ mph. Out of the ____
Room ID: Courtroom 2	Precip. None	Precip. TRC 10/13/15
Personnel: TCANTWELL	Inside: Temp: approx 72 °C or (F)	Inside: Temp: _____ °C or F
Personnel: A Wenta	HVAC: ON	HVAC: _____
	Operations: Court room	Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

NA
MC
10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

NA
MC
10/13/15

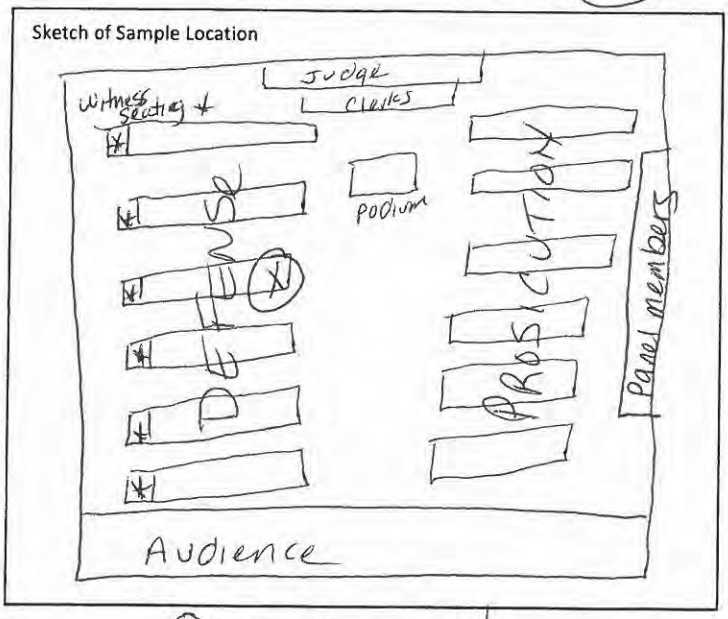
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

General Notes:_____

Was area photographed? Yes / (No)

Sketch of Sample Location



(X) Sample collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AOP Bunker AV-31 Sample Point: ~~BK IAHS~~ AV31IAHS1 Building ID: Bunker AV-31 Room ID: 1st Floor Bunker Personnel: TCANTELL Personnel: AWanta	Date / Time: 10/13/15 Outside Temp: Mid 90s °C or F Wind ___ mph. Out of the ___ Precip. None Inside: Temp: Approx 75 °C or F HVAC: ON Operations: watch tower	Date /Time: Same as Start Outside Temp: _____ °C or F Wind ___ mph. Out of the ___ Precip. TNC 10/13/15 Inside: Temp: _____ °C or F HVAC: _____ Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

VOCs Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

24-hr sample 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

AA TRC 10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

N/A TRC 10/13/15

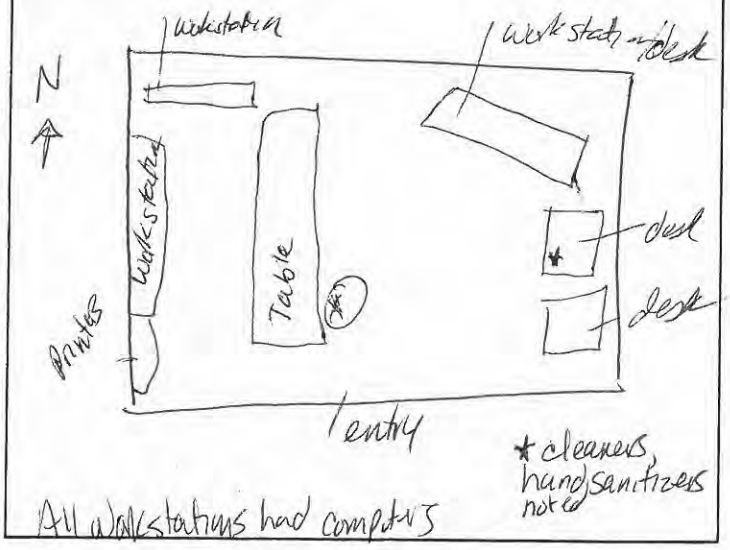
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

General Notes: Cleaners noted, hand sanitizers, dry erase markers

Was area photographed? Yes / (No)

Sketch of Sample Location



(X) Sample Collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34 Sample Point: AV34/AHS [redacted] Building ID: AV 34 Room ID: [redacted] Personnel: [redacted] Personnel:	Date / Time: 10/13/15 M.D Outside Temp: 905 °C or (F) Wind 5 mph. Out of the NE Precip. None Inside: Temp: approx 76 °C or (F) HVAC: ON Operations: [redacted]	Date /Time: Same as start Outside Temp: _____ °C or F Wind ____ mph. Out of the ____ Precip. _____ Inside: Temp: _____ °C or F HVAC: _____ Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

TMC 10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

TMC 10/13/15

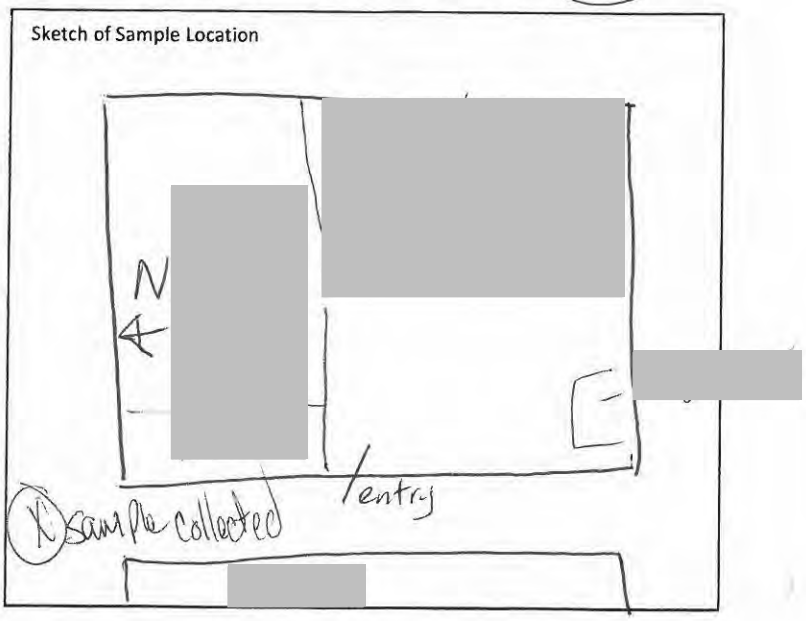
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes (No)

General Notes:

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34	Date / Time: 10/13/15 Mid	Date / Time: Same as Start
Sample Point: AV34/AHS R08	Outside Temp: 90s °C or F	Outside Temp: _____ °C or F
Building ID: AV-34	Wind 5 mph. Out of the NE	Wind ____ mph. Out of the ____
Room ID: R08	Precip. None	Precip. TMC 10/13/15
Personnel: Trantwell	Inside: Temp: Approx 72 °C or F	Inside: Temp: _____ °C or F
Personnel: Awanta	HVAC: ON	HVAC: _____
	Operations: ~~Information~~ TMC Technology 10/13/15 ~~Help desk office~~ Web Stenography	Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
			N/A	TRC		10/13/15		

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full
			N/A	TRC	10/13/15	

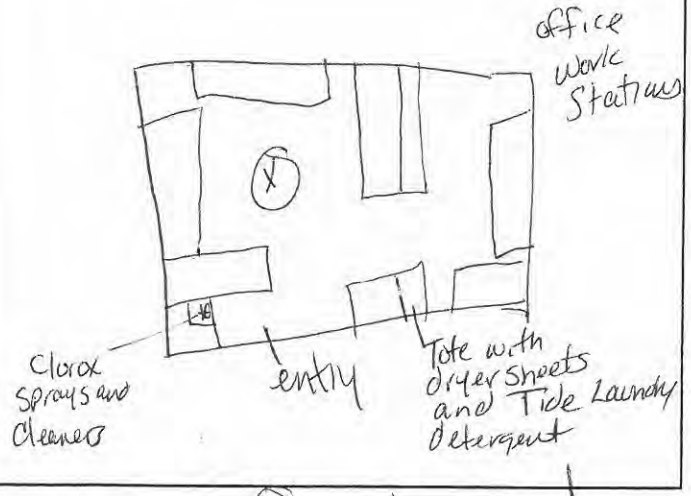
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

General Notes: Clorox sprays and Cleaners noted, tote with dryer sheets and Tide Laundry detergent.

Sketch of Sample Location



(X) Sample collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34 Sample Point: AV34IAHSR06 Building ID: AV-34 Room ID: R06 Personnel: I Cantwell Personnel: A Wanta	Date / Time: 10/13/15 Outside Temp: Mid 90s °C or F Wind 5 mph. Out of the NE Precip. None Inside: Temp: Approx 72 °C or F HVAC: ON Operations: Information Technology	Date /Time: Same as Start Outside Temp: ____ °C or F Wind ____ mph. Out of the ____ Precip. ____ Inside: Temp: ____ °C or F HVAC: ____ Operations: ____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

TNC 10/23/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

TNC 10/13/15

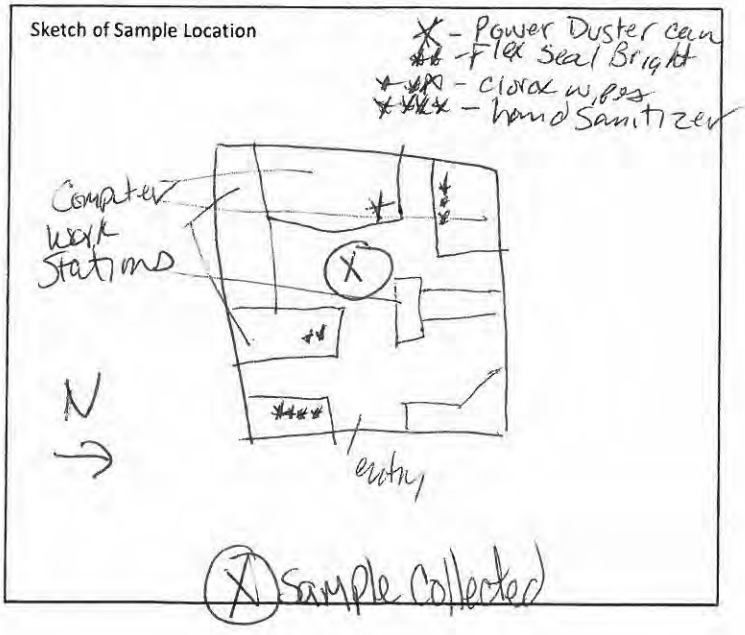
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

General Notes: Several Items noted in room: Power duster can, Clorox wipes hand sanitizers, wood glue Flex seal bright, Pledge wipes Lysol power fresh cleaner DM erase cleaner

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34 Sample Point: AV34IAHSR13 Building ID: AV-34 Room ID: R13 Personnel: T Cantwell Personnel: A Wanta	Date / Time: 10/13/15 Outside Temp: Mid 90s °C or (F) Wind 5 mph. Out of the NE Precip. None Inside: Temp: Approx 72 °C or (F) HVAC: ON Operations: Trial Judiciary Staff	Date /Time: Same as Start Outside Temp: ____ °C or F Wind ____ mph. Out of the ____ Precip. NRC Inside: Temp: 10/13/15 °C or F HVAC: ____ Operations: ____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

THC 10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

THC 10/13/15

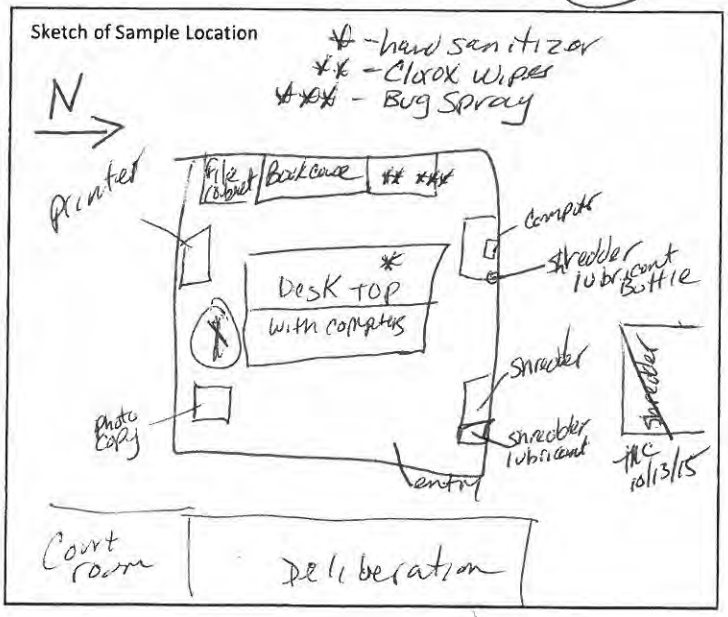
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes: Shredder Lubricant found under computer desk. hand sanitizer on desk top workstations Clorox disinfectant wipes and bug spray noted.

Sketch of Sample Location



(X) Sample collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34 Sample Point: AV 34 1A HS R03 Building ID: AV-34 Room ID: R03 Personnel: TCantwell Personnel: Awanta	Date / Time: 10/13/15 Outside Temp: Mid 60s °C or (F) Wind 5 mph. Out of the NE Precip. None Inside: Temp: Approx 72 °C or (F) HVAC: ON Operations: Deliberation Room	Date / Time: 10/13/15 Same as Start Outside Temp: °C or F Wind ___ mph. Out of the ___ Precip. NC Inside: Temp: °C or F HVAC: 13/15 Operations:

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

MC 10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

MC 10/13/15

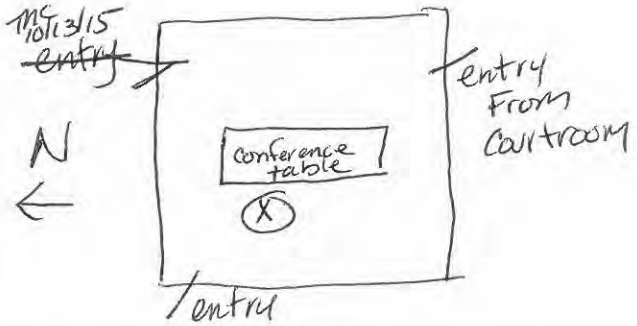
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes (No)

General Notes:_____

Sketch of Sample Location



X = Sample Collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AOP AV-34	Date / Time: 10/13/15	Date /Time: Same as Start
Sample Point: AV341AHSCR1	Outside Temp: Midgs °C or (F)	Outside Temp: _____ °C or F
Building ID: AV-34	Wind 5 mph. Out of the NE	Wind ____ mph. Out of the ____
Room ID: Courtroom	Precip. None	Precip. _____
Personnel: T Cantwell	Inside: Temp: Appx 72 °C or (F)	Inside: Temp: 10/13/15 °C or F
Personnel: A Warda	HVAC: ON	HVAC: _____
	Operations: Courtroom	Operations: _____

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

N/A
MC 10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

N/A
MC 10/13/15

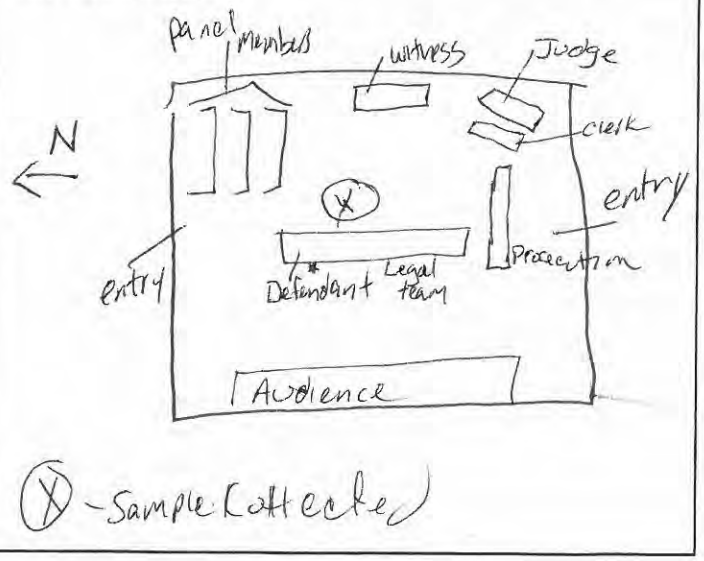
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

General Notes:_____

Was area photographed? Yes / (No)

Sketch of Sample Location



(X) - Sample Collected

	Conditions at Start of Sampling:	Conditions at End of Sampling:
AOP Site: AV-34 10/13/15 TRC A-V34 Sample Point: [redacted] TRC 10/13/15 Building ID: [redacted] AV-34 Room ID: [redacted] Personnel [redacted] Personnel	Date / Time: 10/13/15 Outside Temp: Mid 90s °C or F Wind 5 mph. Out of the NE Precip. None Inside: Temp: approx 72 °C or F HVAC: ON/yes Operations: [redacted]	Same as Start Date /Time: Outside Temp: °C or F Wind mph. Out of the Precip. TRC Inside: Temp: 10/13/15 °C or F HVAC: Operations:

Type of Points (Circle all that apply):

Indoor Air Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

24-hr sample 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes (No)

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** (Not Applicable)

GEM 2000 Screen: (Not Applicable)

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)

TMC 10/13/15

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

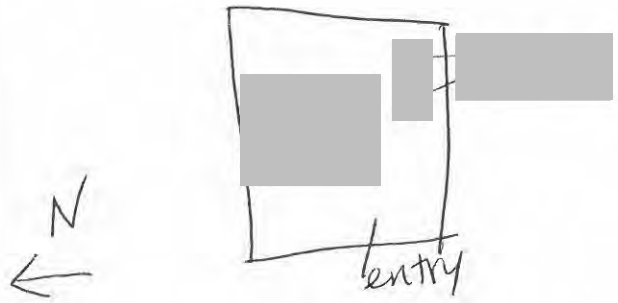
TMC 10/13/15

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location



General Notes:_____

2

AV32IASMMP

Media Multi Purpose

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-32	Date / Time: 10/10/15 1141	Date /Time: 10/11/15
Sample Point:	Outside Temp: 75 °C or F	Outside Temp: 85 °C or F
Building ID: AV-32	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID: Media Room (Multi)	Precip. 0	Precip. 0
Personnel: Ben B.	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel: Robbie T.	HVAC: ON	HVAC: On
HAPSITE: TCANTWELL A. WANTA A. Olsen	Operations: Media Multi Purpose	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

~~**Sample type:**~~

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE)

Photo #18

TRC 10/11/15 ~~1410~~ 1430

AV32IAHSMP01

(24-hr sample) 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0' Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? (Yes) No

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records

Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
AV32	AV32IA SM MR	TO15SIM	1136/ 10-10-2015	33380	40630	-28.5	10-11-15 1136	-4

Tedlar Bag Records

Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
(BZ) = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

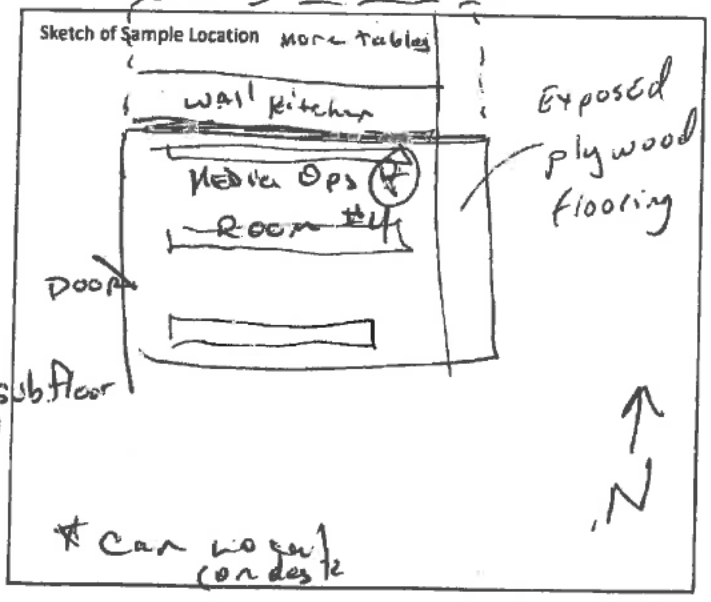
Robbie's Camera

Was area photographed? (Yes) No

General Notes: Media Room #4 within hangar. Can set on work table

* floor adhesive / glue on exposed sub floor
* degreaser marker cleaner hand sanitizer
* lots of cleaners & other under sink

Sketch of Sample Location



2

AV32IASMMP

Media Multi Purpose

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-32	Date / Time: 10/10/15 1141	Date /Time: 10/11/15
Sample Point:	Outside Temp: 75 °C or F	Outside Temp: 85 °C or F
Building ID: AV-32	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID: Media Room (Multi)	Precip. 0	Precip. 0
Personnel: Ben B.	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel: Robbie T.	HVAC: ON	HVAC: On
HAPSITE: TCANTWELL A. WANTA A. Olsen	Operations: Media Multi Purpose	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE) Photo # 18 TRC 10/11/15 ~~1410~~ 1430 AV32IAHSMP01

(24-hr sample) 12-hr sample 8-hr sample (Grab) other ___

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0' Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: ___

Was shut-in test performed? (Yes) No

Leak testing performed? Yes (No) If yes by helium testing or Water or ___

Description of Sub-Slab System Purge: ___

Purge Rate: ___ mL/min Amount Purged: ___ L

PID Screen: Ambient: ___ ppm Purge Gas: ___ ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ___ O_2% ___ CO_2% ___ CH_4% Purge Gas: ___ O_2% ___ CO_2% ___ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
AV32	AV 32 IA Smmp	TO15SIM	10/10/20 1141	12947	5407	-30.0	1151/10/11/25	-5.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

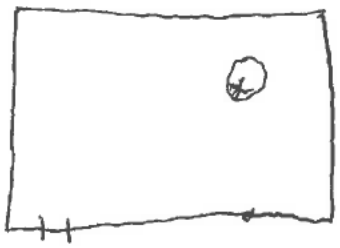
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

General Notes: Media Multipurpose Room

Was area photographed? (Yes) / No

Sketch of Sample Location



3 AV32IASMM01 Medra Ops Room 1

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV 32	Date / Time: 10/10/15 1145	Date /Time: 10/11/1030
Sample Point:	Outside Temp: 85 °C or F	Outside Temp: 85°C or F
Building ID:	Wind ___mph. Out of the ___	Wind ___mph. Out of the ___
Room ID: Medra Room 1	Precip. 0	Precip.
Personnel: Ben B	Inside: Temp: ___°C or F	Inside: Temp: ___°C or F
Personnel: Robbie T.	HVAC: Split unit	HVAC: Split unit
HAPSITE: TCANTWELL A WANTA A OLSEN	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Photo #19

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE) 1447 AV32IAHSM0101

(24-hr sample) 12-hr sample 8-hr sample (Grab) other ___

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe:___

Was shut-in test performed? (Yes) No

Leak testing performed? Yes (No) If yes by helium testing or Water or ___

Description of Sub-Slab System Purge:___

Purge Rate: ___mL/min Amount Purged: ___ L

PID Screen: Ambient: ___ppm Purge Gas: ___ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ___ O_2% ___ CO_2% ___ CH_4% Purge Gas: ___ O_2% ___ CO_2% ___ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (In Hg)	Stop Time/ Date	End Vac. (in Hg)
AV 32	AV 32IA SM001	TO15SIM	10-10-15 1145	34470 ~~40528~~	40528	-29.0	10-11-15 1030	-4.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

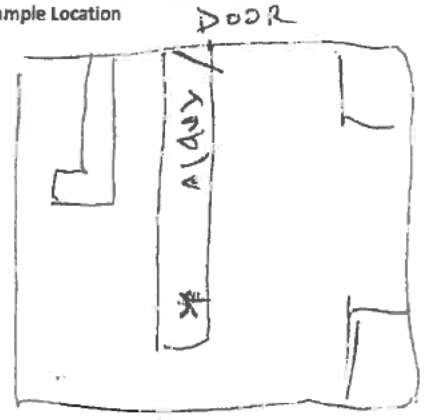
SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes: Medical Room #1
Aka Medical Operations Room #1

- Odor in room, lots of personal hygeine (deodorants); Resolve Rug cleaner, insect repellant (deet), hand sanit, white board cleaner, 2ND dust elect. wipes, all purpose cleaner (skilcraft), glass cleaner (skilcraft) powerduster (skilcraft) pledge, Air gel freshner

Sketch of Sample Location



* summa location

4

AV32IASMM02 Media Ops. Room #2

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-32	Date / Time: 1450 / 10/10/15	Date /Time: 10/11/15
Sample Point:	Outside Temp: 85 °C or (F)	Outside Temp: 85 °C or (F)
Building ID:	Wind ___ mph. Out of the ___	Wind ___ mph. Out of the ___
Room ID: Media Room #2	Precip. 0	Precip. 0
Personnel: Ben B.	Inside: Temp: ~70 °C or (F)	Inside: Temp: ~70 °C or (F)
Personnel: Robbie T	HVAC: Split unit	HVAC: —
HAPSITE: TCANTWELL AWanta AOlsen	Operations: on	Operations: —

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) (HAPSITE) Photo 18 1506 AV32IAHSM0201

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: Approx 4 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? (Yes) No

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
AV32	AV32 SM02	TO15 SIM	10.10.16 1150	35275	40317	-30	10.11.16 1155	-4.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

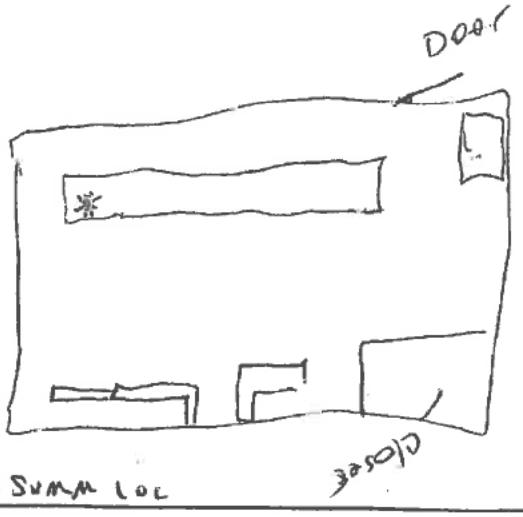
SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes:

Carpet Cleaner

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-32	Date / Time: 10/4/15 1210	Date /Time: 10/4/15 1214
Sample Point:	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: Ambient	Wind ___ mph. Out of the S	Wind ___ mph. Out of the SSE
Room ID: Outside - Bus Stop	Precip. 0	Precip. 0
Personnel: Beach	Inside: Temp: NA °C or F	Inside: Temp: NA °C or F
Personnel: RT / BB	HVAC: NA	HVAC: NA
	Operations: Outside	Operations:

Type of Points (Circle all that apply):

Indoor Air (Ambient Air) Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5' Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AV32IN 5m BKD	TO15SIM	10-10-15 1210	33784	40546	-29.5	10-11-15 1214	-6.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

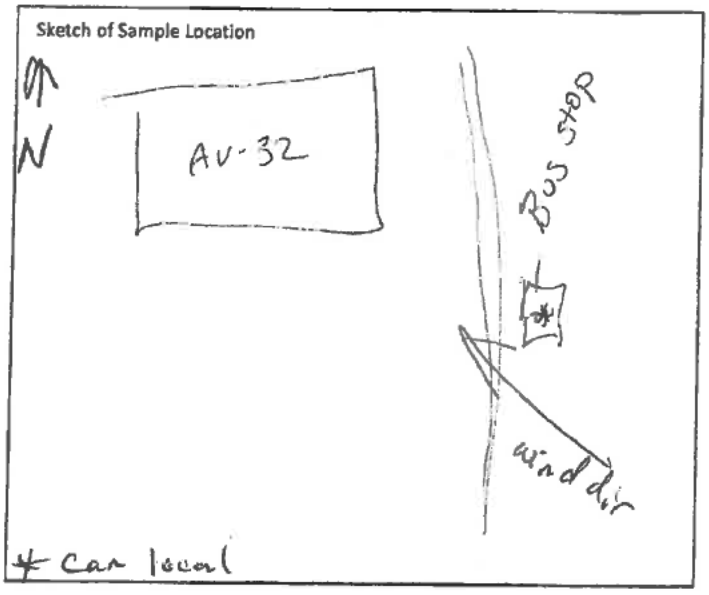
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

General Notes:_____

Was area photographed? Yes / No

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: 9 TENTS	Date / Time: 10/10/15 - 1620	Date /Time: 10/11/15 1629
Sample Point: C-1	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: C-1	Wind 10 mph. Out of the E	Wind ___ mph. Out of the S
Room ID: NA	Precip. 0	Precip. 0
Personnel: Ben B.	Inside: Temp: ~70 °C or (F)	Inside: Temp: ~70 °C or F
Personnel: Robbie T.	HVAC: central	HVAC: On
	Operations: on	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

C-1

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TEATINSMC1	TO15SIM	1620 / 10-10-15	6L1293	30670	-30	1629 10/11/15	-6.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location

General Notes:

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: TENTS	Date / Time: 10/10/15 1630	Date /Time: 10/11/15 1633
Sample Point: Male Head	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: L-1	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID: NA	Precip. 0	Precip. 0
Personnel: Ben B.	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel: Robbie T	HVAC: On	HVAC: On
	Operations: Bath room	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: _____ Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

BAD can

Canister Sampling Records

Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
—	BAD	CAN	—	34376	40350	21	1625	—
	TENTIASOL1	TO15SIM	10-10-15 1630	GL1261	40258	-29	1633 10/11/13	-5.0

Tedlar Bag Records

Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location

General Notes:_____

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15	Date /Time: 10/11/15 1637
Sample Point: Male Shower	Outside Temp: 88 °C or (F)	Outside Temp: 90 °C or F
Building ID: S-1	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: Ben B. / Et	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Shower	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
TRNTS	TRNTS1&SMS1	TO15SIM	10-10-15 1634	22501	20744	-30	1637 10/11/15	S.S

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location

General Notes:_____

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15 1645	Date /Time: 10/11/15 1645
Sample Point: Linen Supply	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: A-2	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip.
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Linen Supply	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
		TO15SIM	10-10-15	5598	40202	-19	BAD CAN	
	TENTIASMA2	TO15SIM	10-10-15 1645	13842	40424	-29.5	1645 10/11/15	-8.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

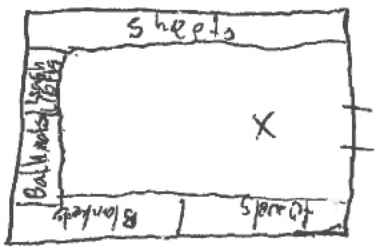
Notes:

SS = Sub-Slab
(BZ) = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes:_____

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15 1648	Date /Time: 10/11/15 1648
Sample Point:	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: B-2	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip.
Personnel: FT/BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTASM32 ~~SM02~~		10-10-15 1649	33779	4046G	-30	1648 10/11/15	-5.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location

General Notes:

- Air freshner near sampler/in room
- All purpose cleaner near sampler

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15 1657	Date /Time: 10/11/15 1548
Sample Point:	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: D-1	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTJASMD1	TO15SIM	10-10-15 1657	25248	20731	-30	15:48 10/11/15	-5.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location

General Notes:

Living Quarters - Can on chest of drawers

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15 1710	Date /Time: 10/11/15 1356
Sample Point:	Outside Temp: 88 °C or F	Outside Temp: 96 °C or F
Building ID: C-7	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: LT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: (NA) Temporary Permanent Type of Probe: _____

Was shut-in test performed? (Yes) No

Leak testing performed? Yes (No) If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	USED previously & ~~TO15~~			~~6L1293~~	~~30670~~	~~-29.5~~	~~BAD CAN~~	
	TENTIA-SM C7		10-10-15 1710	24493	20508	-28.5	1356 10/11/15	-4

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location

General Notes:

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/12/15 1719	Date /Time: 10/14/15 1719
Sample Point: NGO	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: A-9	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

~~Indoor Air~~ Ambient Air Sub-Slab Vapor ~~Soil Gas~~

Sample Type:

VOCs Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

24-hr sample 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENT1A SMA9	TO15 MOD	10-10-15 1719	3475	40478	-30	1719 10/11/15	-5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

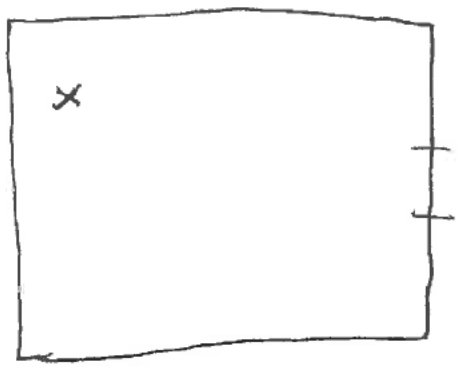
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes:_____

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15 1725	Date /Time: 10/11/15 1725
Sample Point: Male Shower	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: S-3	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: LT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTIA SMS3	TO15SIM	10-10-15 1725	35161	40038	-29	1725 10/11/15	-5.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

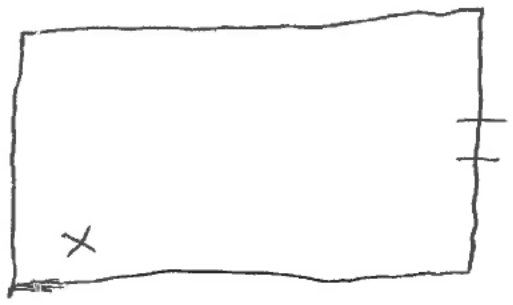
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes:_____

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15 1732	Date /Time: 10/11/15 1732
Sample Point: D-10	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID:	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 5.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTA SUM DUP	TO-15 SIMS	10.0.15 1732	35268	6533	-30	10/11/15 1402	-5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

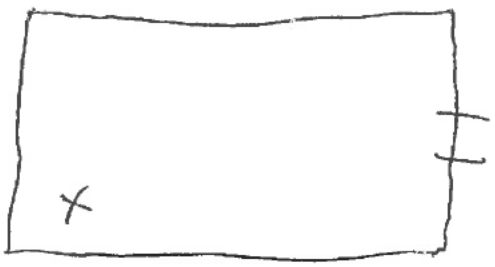
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes:_____

Sketch of Sample Location



DUP

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/10/15 1745	Date /Time: 10/11/15 1844
Sample Point: C-13	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: C-13	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: _____ Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records

Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTIA SUM C13		10-10-16 1745	33917 ~~23917~~	20758 ~~20~~	-30	1844 10/11/15	9
DUP ~~BLANK~~	TENTIA SUMC13-D		10-10-16 1745	12675 ~~20~~	20761 ~~20758~~	-30	1844 10/11/15	6.5

Tedlar Bag Records

Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

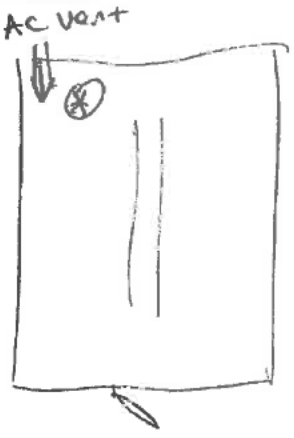
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes:_____

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: Tents	Date / Time: 10/1/15 1752	Date /Time: 10/1/15 1752
Sample Point:	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: D-11	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5' Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTIA SMD11	Tovs Mod	10:10:15 1752	35169	40227	-29	1752 10/11/15	-4.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/m!)	Percent Full

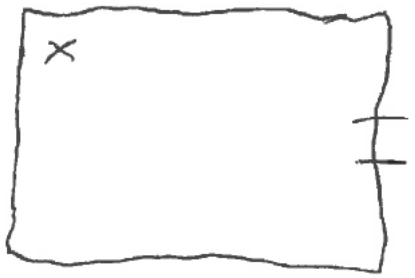
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

General Notes:_____

Sketch of Sample Location



	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: TENTS	Date / Time: 10/10/15 1756	Date /Time: 10/11/15 1757
Sample Point: B-14	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID:	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: LT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

Summa Canister (6 liter) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: _____ Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTA SUM B14	TO-15 SIMS	10-10-15 1756	14877	5395	7.30	1757 10/11/15	-6.0

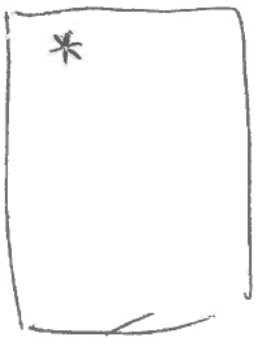
Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location



General Notes:

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: TENTS	Date / Time: 10/11/15 1801	Date /Time: 10/11/15 1523
Sample Point: A-13	Outside Temp: 88 °C or F	Outside Temp: 90 °C or F
Building ID: A-13	Wind ___ mph. Out of the SE	Wind ___ mph. Out of the S
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 5.0 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	TENTIA SMA13	TO15 SIM	10-10-15 1801	20935	5880	7.30	1523 10/11/15	-3.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location

General Notes:_____

Bunker

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-31	Date / Time: 10/13/15 0840	Date /Time: 10/14/15 0937
Sample Point:	Outside Temp: 80 °C or F	Outside Temp: 83 °C or F
Building ID: AV-31	Wind ___ mph. Out of the N	Wind ___ mph. Out of the N
Room ID: Bunker	Precip. 0	Precip. 0
Personnel: RT Thomas	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Bunker/Office Space	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample (RT Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AV31IASM 01	70-15 SIMS	0840 10/13/15	34024	40456	-29.0	0937 10/14/15	-4.5

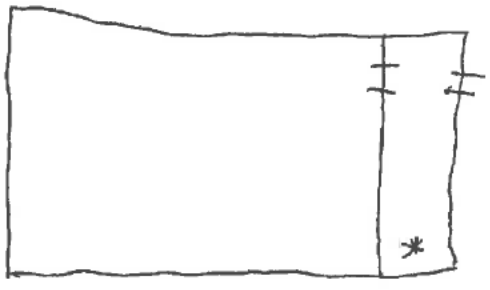
Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location



General Notes:

AV-34 Courtroom

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34	Date / Time: 10/13/15 0930	Date /Time: 10/14/15 0950
Sample Point:	Outside Temp: 80 °C or F	Outside Temp: 85 °C or F
Building ID: AV-34	Wind ___ mph. Out of the N	Wind ___ mph. Out of the N
Room ID: Court Room	Precip. 0	Precip. 0
Personnel: RT / BR	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Court Room	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AV36ASM CR	TO-15 SIM	0930 10/13/15	96107	5694	-28.0	0950 10/14/15	-3.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

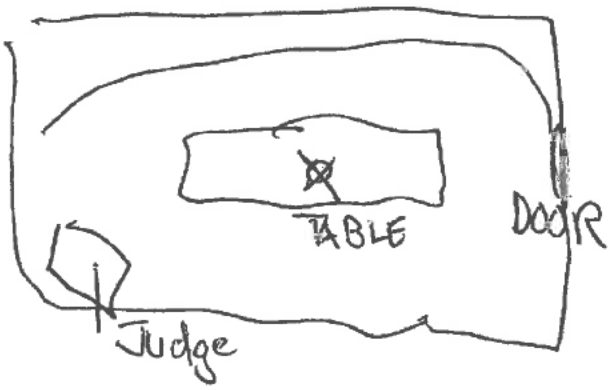
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

General Notes:

Sketch of Sample Location



AV34 Hwy 1 N

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34	Date / Time: 10/13/15 0938	Date /Time: 10/14/15 1338
Sample Point: 1st Flor Hwy N	Outside Temp: 80 °C or F	Outside Temp: 90 °C or F
Building ID: AV-34	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID: [redacted]	Precip. 0	Precip. 0
Personnel: R. Thomas	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel: B. Brantley	HVAC: On	HVAC: On
	Operations: [redacted] Admin Bld.	Operations:

Type of Points (Circle all that apply): (Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type: (VOCs) Radon

~~**Sample type:**~~

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AV3HA SM HWY IN	TO-15 STMS	0938 10/13/15	2969	40634	-29.5	10/14/15 1338	5.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes:

AV 34 HWY & 15

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34	Date / Time: 10/13/15 0943	Date /Time: 10/14/15 1343
Sample Point: 1st floor HWY S	Outside Temp: 85 °C or F	Outside Temp: 90 °C or F
Building ID: AV-34	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID: —	Precip. No	Precip. No
Personnel: R. Thomas	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel: B. Brantley	HVAC: On	HVAC: On
	Operations: Admin. Bld.	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AV34SASM HWY 15	TO-15 SIM S	0943 10/13/15	05707	40379	730.0	10/14/15 1343	-5.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes:_____

AV-34 Amb. Air

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34	Date / Time: 10/13/15 0948	Date /Time: 10/14/15 1000
Sample Point: Ambient Air	Outside Temp: 80 °C or F	Outside Temp: 85 °C or F
Building ID: AV-34	Wind ___ mph. Out of the N	Wind ___ mph. Out of the N
Room ID:	Precip. 0	Precip. 0
Personnel: ET / BB	Inside: Temp: NA °C or F	Inside: Temp: NA °C or F
Personnel:	HVAC: NA	HVAC:
	Operations: Outside	Operations:

Type of Points (Circle all that apply):

Indoor Air (Ambient Air) Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample (Grab) other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 2.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AV34IASM BKD	TO-15 SIMS	0948 10/13/15	34483	10041Z	-28.0	1026 10/14/15	-4.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

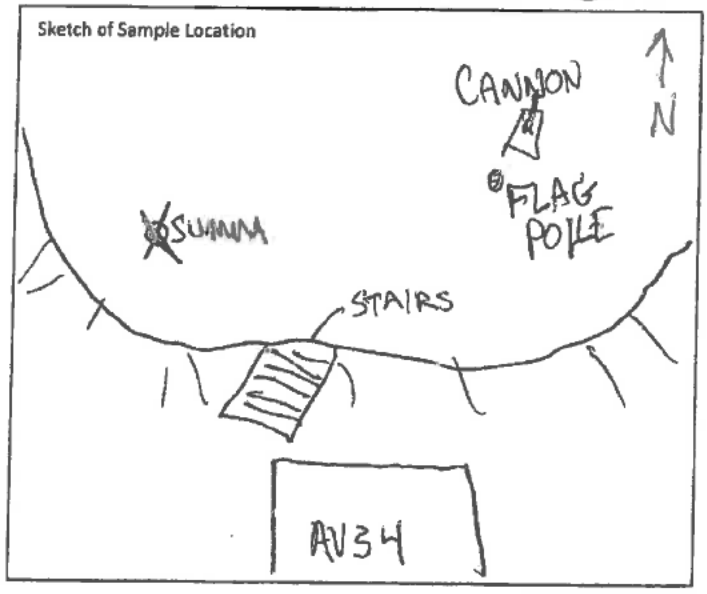
Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

General Notes:

Sketch of Sample Location



AV34 - Basement

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34	Date / Time: 10/13/15 1330	Date /Time: 10/14/15 1508
Sample Point: Basement	Outside Temp: 90 °C or F	Outside Temp: 90 °C or F
Building ID: AV-34	Wind ___ mph. Out of the S	Wind ___ mph. Out of the SE
Room ID: Basement	Precip. 0	Precip. 0
Personnel: RT	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations:	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample RT Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	~~AB3UJASM B~~							
	AB3UJASM B	TO-15 SIMS	10/13/15 1330	96105	20743	-30	1508 10/14/15	-6.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes:

AV34 Crawl Space

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-34	Date / Time: 10/13/15 1355	Date /Time: 10/14/15 1515
Sample Point: Crawl Space	Outside Temp: 90 °C or F	Outside Temp: 90 °C or F
Building ID: AV-34	Wind ___ mph. Out of the S	Wind ___ mph. Out of the SE
Room ID:	Precip. 0	Precip. 0
Personnel: RT/BB	Inside: Temp: — °C or F	Inside: Temp: — °C or F
Personnel:	HVAC: NA	HVAC: NA
	Operations: Crawl Space	Operations:

Type of Points (Circle all that apply):

Indoor Air Ambient Air (Sub-Slab Vapor) Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 1.5 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____ mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ ppm Purge Gas: _____ ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AA341ASM CS	TO-15 SIM S	10/13/15 1355	34346	20765	-30	1515 10/14/15	-5.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (NO)

Sketch of Sample Location

General Notes:

ELC- [redacted] 550

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15 1118	Date /Time: 10/14/15 1144
Sample Point:	Outside Temp: 85 °C or F	Outside Temp: 90 °C or F
Building ID: Bld. # 5	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Admin.	Operations: [illegible]

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	ELCIASM ~~SOO~~BL5	40-15 SIM S	1118 10/13/15	3586Y	40319	-30	1144 10/14/15	5.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (NO)

Sketch of Sample Location

General Notes:

~~EC Co~~ ELC - Courtroom

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15 1124	Date /Time: 10/14/15 1124
Sample Point:	Outside Temp: 85 °C or F	Outside Temp: 90 °C or F
Building ID: Bld. #1	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID: Court Room	Precip. 0	Precip. 0
Personnel: KT/BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Court room	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg
	ELCIASM ~~GR~~ BL1	TO-15 SIMS	1124 10/13/15	33985	40374	-29.5	10/14/15 1124	-5.0

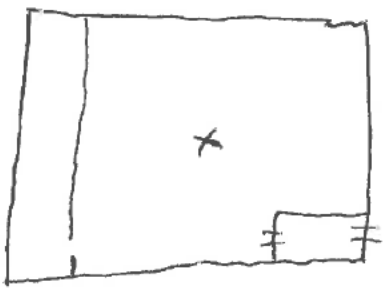
Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / No

Sketch of Sample Location



General Notes:_____

ELC CAT

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15 1138	Date /Time: 10/14/15 1433
Sample Point:	Outside Temp: 85 °C or F	Outside Temp: 90 °C or F
Building ID: Bld. # 2	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID:	Precip. 0	Precip. 0
Personnel: LT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Admin.	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	~~ELC1ASM~~ ~~GAT~~ BL2	TO-15 SIMS	1138 10/13/15	33883	40644	-30	1433 10/14/15	-4.0
	ELC1ASM ~~GAT D~~	TO-15 SIMS	1138 10/13/15	5737	20730	-30	1433 10/14/15	-5.0
	BL2D							

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes:

Defense Trailor - RM 107

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15 1140	Date /Time: 10/14/15 1440
Sample Point:	Outside Temp: 85 °C or F	Outside Temp: 90 °C or F
Building ID: Bld. # 3	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID: 107	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Admin	Operations: Admin.

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% _____ CO_2% _____ CH_4% Purge Gas: ____ O_2% _____ CO_2% _____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	ELCTASM ~~BT107~~ BL3107	TO-15 SIMS	1140 10/13/15	10768	40253	>30	1440 10/14/15	-8.5

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes:_____

Defense Trailer 100

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15 1142	Date /Time: 10/14/15 1150
Sample Point:	Outside Temp: 85 °C or F	Outside Temp: 90 °C or F
Building ID: BA. #3	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID: 100	Precip. 0	Precip. 0
Personnel: RT/BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Admin	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	ELCIASM [redacted]	TO-15 SIMS	1142 10/13/15	3389	40114	-30	10/14/15 1150	-6.0
	BL03100							

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes: Observed drycleaned clothes hanging.

BL 4
~~Defense Tailor~~ - MR

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: ELC	Date / Time: 10/13/15 1145	Date /Time: 10/14/15 1445
Sample Point:	Outside Temp: 85 °C or F	Outside Temp: 90 °C or F
Building ID: Bld. # 4	Wind ___ mph. Out of the N	Wind ___ mph. Out of the SE
Room ID: Main Room	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC:	HVAC: On
	Operations: Admin	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 4.0 Feet **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records								
Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	~~ELC IASM~~ ~~DTMR~~ BL4 MR	TO-15 SIM5	1145 10/13/15	33554	20775	-30	1495 10/14/15	-5.0

Tedlar Bag Records						
Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes:

AV-29 Hallway 1st - S

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-29	Date / Time: 10/13/15 1410 ~~1420~~	Date /Time: 10/13/15 1529 ~~1530~~
Sample Point: 1st floor Hwy S	Outside Temp: 90 °C or F	Outside Temp: 90 °C or F
Building ID: AV - 29	Wind ___ mph. Out of the S	Wind ___ mph. Out of the SE
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Admin.	Operations:

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records

Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (In Hg)	Stop Time/ Date	End Vac. (In Hg)
	AA29JFA5M HW415	TO15 SIM	10-13-15 1410	33885	4D622	-30	1529 ~~1410~~	-7.5
	AA29JFA5M HW415D	TO15 SIM	10-13-15 1410	34209	20760	-30	1418 ~~1410~~	-4.0

Tedlar Bag Records

Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (No)

Sketch of Sample Location

General Notes:

AV-29 Hallway N

	Conditions at Start of Sampling:	Conditions at End of Sampling:
Site: AV-29	Date / Time: 10/13/15 1421	Date /Time: 10/14/15 1533
Sample Point: 1st Floor Hwy N	Outside Temp: 90 °C or F	Outside Temp: 90 °C or F
Building ID: AV-29	Wind ___ mph. Out of the S	Wind ___ mph. Out of the SE
Room ID:	Precip. 0	Precip. 0
Personnel: RT / BB	Inside: Temp: ~70 °C or F	Inside: Temp: ~70 °C or F
Personnel:	HVAC: On	HVAC: On
	Operations: Admin	Operations: Admin

Type of Points (Circle all that apply):

(Indoor Air) Ambient Air Sub-Slab Vapor Soil Gas

Sample Type:

(VOCs) Radon

Sample type:

(Summa Canister (6 liter)) Summa Canister (1 liter) Tedlar bag (___ liter) HAPSITE

(24-hr sample) 12-hr sample 8-hr sample Grab other _____

Breathing Zone / Indoor Sample Intake Height from Floor: 3.5 (Feet) **or** Inches

Sub-Slab Data

Type of Sub-slab Point: NA Temporary Permanent Type of Probe: _____

Was shut-in test performed? Yes No

Leak testing performed? Yes No If yes by helium testing or Water or _____

Description of Sub-Slab System Purge: _____

Purge Rate: _____mL/min Amount Purged: _____ L

PID Screen: Ambient: _____ppm Purge Gas: _____ppm **or** Not Applicable

GEM 2000 Screen: Not Applicable

Ambient: ____ O_2% ____ CO_2% ____ CH_4% Purge Gas: ____ O_2% ____ CO_2% ____ CH_4%

Canister Sampling Records

Zone	Sample ID	Analytical Methods	Start Time/Date	Canister #	Flow Controller #	Initial Vac. (in Hg)	Stop Time/ Date	End Vac. (in Hg)
	AV342ASM HWY1N	TO-15 SIMS	10-13-2015 1421	GLI300	20773	-30	10/14/15 1533	5.5

Tedlar Bag Records

Zone	Sample ID	Analytical Methods	Sample Date/Time	Tedlar Bag Size	Approx. Volume Collected (cc/ml)	Percent Full

Notes:

SS = Sub-Slab
BZ = Breathing Zone/Indoor
AA = Ambient Air/Outdoor

Was area photographed? Yes / (NO)

Sketch of Sample Location

General Notes:_____

D-2

Mercury

Location _____ Date _____

Project / Client _____

0828 Collect second method Blank on Hapsite.

0837 Mobilize to AV-29

0844 Arrive at AV-29 Await Escort.

0857 Collect Mercury sample in Lobby 0.006 mg/m³

0910 [redacted] arrives to be Escort, He is wearing a lot of Cologne.

0913 Collect Hapsite Sample in Room 23. AV291AHSRM23 See sample sheet for details

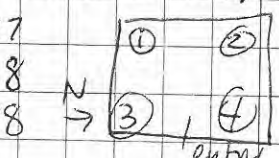
0917 Collect Hg AV291AHGRM23

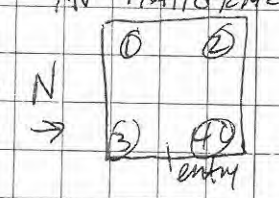
Location _____ Date _____

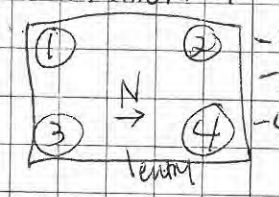
Project / Client _____

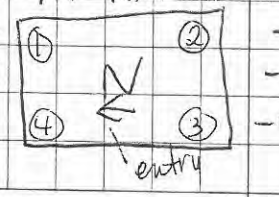
Mercury testing

0917	AV291AHGRM23	-1	0.002	mg/m³
0917		-2	0.001	mg/m³
0918		-3	0.000	mg/m³
0918		-4	0.000	mg/m³
0919	AV291AHGRM22	-1	0.000	mg/m³
0919		-2	0.000	mg/m³
0920		-3	0.000	mg/m³
0920		-4	0.000	mg/m³
0922	AV291AHGRM24	-1	0.000	mg/m³
0922		-2	0.000	mg/m³
0923		-3	0.000	mg/m³
0924		-4	0.000	mg/m³
0932	AV291AHGRM2-	-1 Near old electric plug	0.005	mg/m³
0932		-2 under sink	0.002	mg/m³
0932		-3	0.001	mg/m³
0933		-4	0.000	mg/m³









Rite in the Rain.

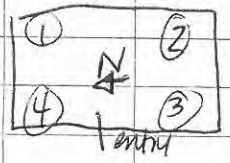
Location _____ Date _____

Project / Client _____

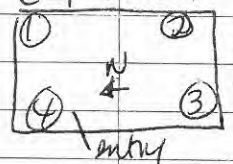
0929 HAPSITE collected in Room 2 AV291AHSRM2. See Sample Sheet for details

0935 Collect Hg Samples

		mg/m³
AV291AHGRM3-1	Covered plug Former Sink Area	0.006
-2		0.000
-3		0.000
-4		0.00



		mg/m3
0938 AV291AHGRM4-1	Carpet present	0.000
-2		0.000
-3		0.000
-4		0.000



0945 HAPSITE collected in Room 5 AV291AHSRM5 see sample sheet for details

Location _____ Date _____

Project / Client _____

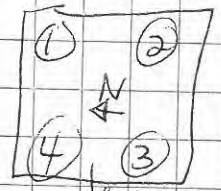
0948 Collect Hg Samples

		mg/m³
AV291AHGRM5-1		0.000
-2		0.000
-3		0.000
-4		0.000



0950 AV291AHGRM6 Storage room

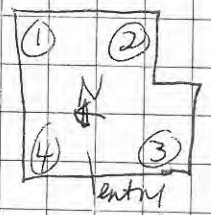
		mg/m3
-1	undersink	0.000
-2		0.000
-3	adjacent to Hot water heater	0.000
-4		0.000



Trip blanks

0953 AV291AHGRM69

	mg/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000



Rite in the Rain

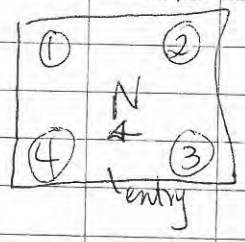
Location _____ Date _____

Project / Client _____

1000 Collect Hapsite in Room 8
AV291AHSRM8. See Sample
Sheet for details.

Collect Hg samples

1004 AV291AHGRM8

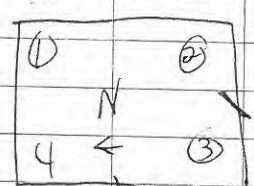


	mg/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

1007 AV291AHGRM10
Supply Closet - paper

	Mg/M3
AV291AHGRM10-1	0.005

1011 AV291AHGRM12
Carpeted office



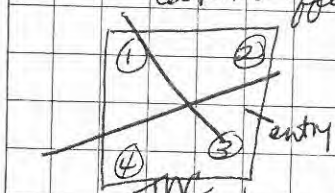
	Mg/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

~~entry~~ TRC 10/12/15

Location _____ Date _____

Project / Client _____

1012 AV291AHGRM11
carpeted office



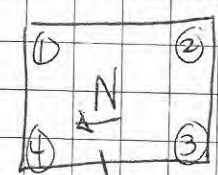
TRC 10/14/15



	mg/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

1017 Collect Hapsite in Room 11
AV291AHSRM11. See sample
Sheet For details.

1023 Hg sample carpet Room 14
AV291AHGRM14



	mg/m3
-1	0.004
-2	0.002
-3	0.001
-4	0.000

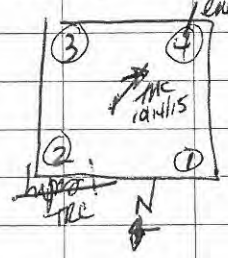
Rite in the Rain

Location _____ Date _____

Project / Client _____

1029 Hg sample Room 17 - carpet

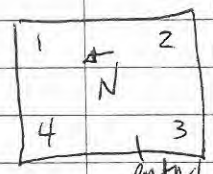
AV291AHGRM17 mg/m³



-1 0.006
-2 0.003
-3 0.002
-4 0.001

1034 HgSite sample Room 13
S TMC 10/11/15
AV291AHGRM13
Carpeted office see
Simplee sheet for details

1036 Hg sample Room 13
AV291AHGRM13 Carpeted office



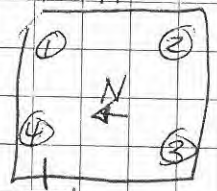
mg/m³
-1 0.006
-2 0.003
-3 0.002
-4 0.001

Location _____ Date _____

Project / Client _____

1038 Run Hg Blank 0.000 mg/m³

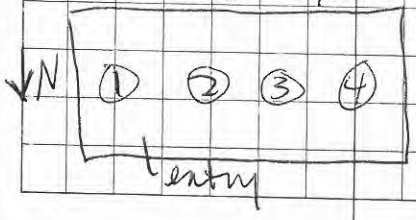
1041 Hg Sample Room 15 Carpeted office
AV291AHGRM15 mg/m3



-1 0.003
-2 0.001
-3 0.001
-4 0.000

1049 Collect HgSite Room 15
AV291AHSRM15
see samplee sheet
for details

1055 Hg sample Room 16 carpeted office space/conference room mg/m³



-1 0.004
-2 0.002
-3 0.001
-4 0.000

Rite in the Rain

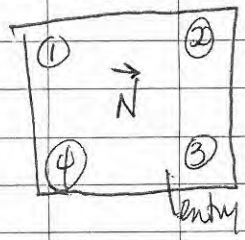
Location _____ Date _____

Project / Client _____

AV291AHGRM20

1058 Hg in Room 20

Uncarpeted office space



	mg/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

1103 Collect Hapsite in room 16

Carpeted office/conference room

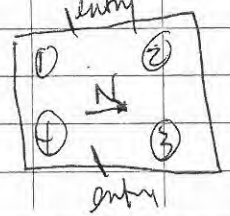
AV291AHSRM16

See sample sheet for details.

1112 Hg in Room 18

Carpeted Conference Room

AV211AHGRM18



	mg/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

Location _____ Date _____

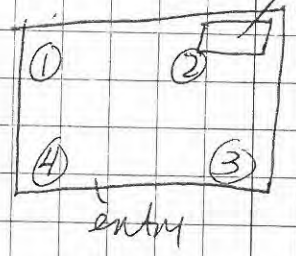
Project / Client _____

AV211AHGRM1

1115 Hg in Room 1

Non-carpeted

Server room



	mg/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

1117 Hg in Room 7

Unisex Bathroom

AV211AHGRM7



	mg/m3
-1	0.000

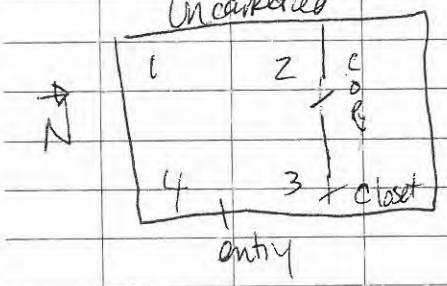
Rite in the Rain

Location _____ Date _____

Project / Client _____

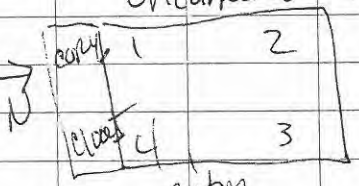
1121 Collect Hg/Air in Room 18
Carpeted Conference room
AV291A HG RM 18
See Sample Sheet
for details.

1128 Collect Hg Sample in
Upstairs room 28 AV211A HGRM28
Uncarpeted



	ug/m3
-1	0.000
-2	0.003
-3	0.001
-4	0.001

1133 Collect Sample in Room 29
Uncarpeted AV291A HGRM29

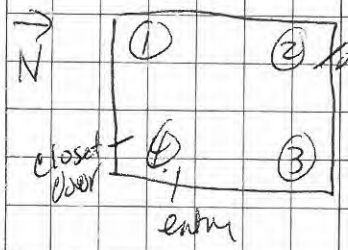


	ug/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

Location _____ Date _____

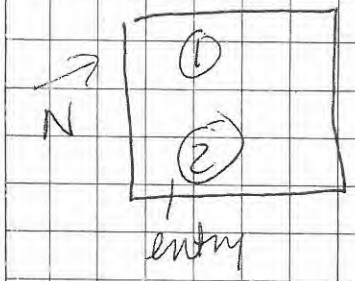
Project / Client _____

1135 Collect Hg in Sample Room 30
Uncarpeted offices
AV291A Hg RM 30



	ug/m3
-1	0.000
-2	0.000
-3	0.000
-4	0.000

1137 Collect Hg Sample in Room 31
Uncarpeted office



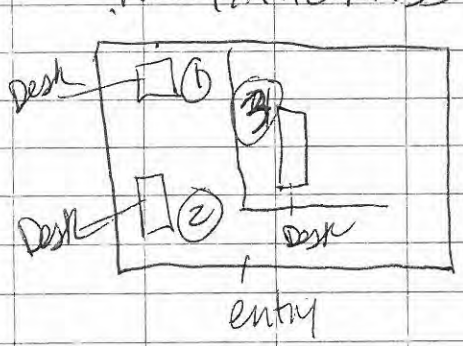
	ug/m3
-1	0.000
-2	0.000

Rite in the Rain

Location _____ Date _____

Project / Client _____

1138 Collect Hg in Room 33
Uncarpeted office
AV291AHGRM33



	mg/m³
-1	0.000
-2	0.000
-3	0.000

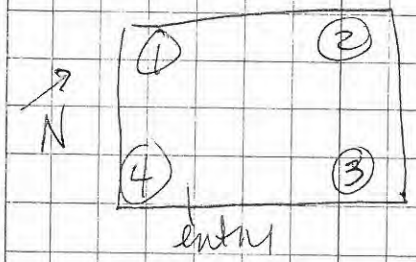
1143 Collect Hapsite in Room 19
AV291AHSRM19
Uncarpeted office
See Sample sheet
for details

TNC
10/14/15

Location _____ Date _____

Project / Client _____

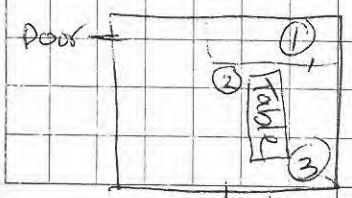
1146 Collect Hg Samples in Room 19
AV291AHGRM19
Uncarpeted office Space



	mg/m³
-1	0.000
-2	0.000
-3	0.000
-4	0.000

1200 Collect Hapsite Sample
AV291AHSRMDV
See Sample Sheet for
details

1205 Collect Hg Samples in Room DV
AV291AHGRMDV



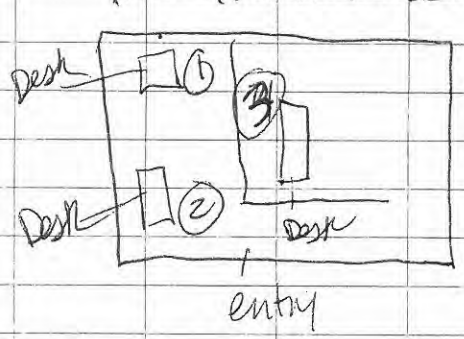
	mg/m³
-1	0.006
-2	0.000
-3	0.000
-4	

TNC 10/24/15 Rain

Location _____ Date _____

Project / Client _____

1138 Collect Hg in Room 33
Uncarpeted office
AV291AHGRM33



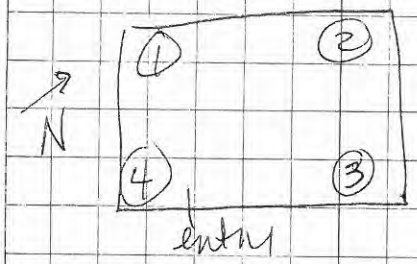
1143 Collect Hapsite in Room 19
AV291AHSRM19
Uncarpeted office
See Sample sheet
for details

THC
10/14/15

Location _____ Date _____

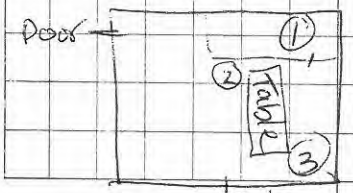
Project / Client _____

1146 Collect Hg Samples in Room 19
AV291AHGRM19
Uncarpeted office space



1200 Collect Hapsite sample
AV291AHSRMDV
See Sample Sheet for
details

1205 Collect Hg Samples in Room DV
AV291AHGRMDV



THC 10/24 Rise in the Rain

Location _____ Date _____

Project / Client _____

1836 Collect sample in Defense trailer room 107. ELC1AHSDTR103 See sample sheet for details

1843 Collect Sample in Defense trailer room 103 ELC1AHSDTR107 See sample sheet for details

1901 Demob from ELC

1914 Left site for day

T Cantrell 10/13/15

Location AOP Date (19) 10/14/15

Project / Client NAVY CLEAN

Weather: Sunny and Hot Upper 80s

AWANTA and T Cantrell

0700 Arrive @ Cozcos and start preparing HAPSITE.

0729 Run CCV. All compounds were acceptable except Benzene which was slightly above QC limits. Ran two concentrator cleanouts.

0805 Ran test run (Blank) on Jerome mercury analyzer. Result -0.006 mg/m3

0807 Ran zero Cartridge on Jerome mercury analyzer 0.000 mg/m3 Result.

0810 Ran method blank on Hapsite. Phenol peak observed will re-run Blank.

Rite in the Rain

D-3
Soil

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: A6

Date: 10-11-15

Time: 1045

Description: Brown - to dark brown Silty clay with abundant pebbles, no odor or stain Slightly moist, Near gravel pile

Sample: AOPSA6001

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: B5

Date: 10-11-15

Time: 1015

Description:
DK Gray to Black clay, with
Some gravel, trace Silt
no odor or stain, Near Grass

Sample: A0PSB501

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: B7

Date: 10-11-15

Time: 1100

Description:

Dry hard, brown clay soil, thin 1" or less, on rock. ~~Face~~ streaks of dark brown soil. no odor or stain. Some brown wood chips mixed in.

Sample: AOPSB701

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: CH

Date: 10-10-15

Time: 1530

Description:

Grass, filth.
Brown-gray clayey, silty soil
dry, no odors or stains, with pebbles

Sample: AOPSC401

Sampler(s): DF-HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: C7

Date: 10-11-15

Time: 1120

Description: Brown dry pebbly Clay Soil, no odor or stain, grass, near "Camp Beef".

Sample: A0PSC701

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: C8

Date: 10-11-15

Time: 1140

Description:

Thick grass cover.
Tilth then brown, silty clay, trace pebbles, dry to slightly moist, no odor or stain. In a thick grass area near some water lines and pumps from a bladder.

Sample: AOPSC801

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: C9

Date: 10-11-15

Time: 1445

Description: Grass, brown clay and silty clay, up to 2", with pebbles, dry, no odor or stain. Took duplicate

AOPSC901 — Duplicate sample

Sample: AOPSC901

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: D3

Date: 10-10-15

Time: 1815

Description: Bare ground
Dark brown silty clay
Some rock fgmts, dry, no odor or stain.

Sample: AOPSD301

Sampler(s): DF / HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: D4

Date: 10.10.15

Time: 1500

Description:

Grass, filth
Brown-gray clayey, silty soil
dry, no odor or stain, with pebbles
Depth 1-2"

Sample: AOPSD401

Sampler(s): DF-MB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: D5

Date: 10-10-15

Time: 1600

Description: Grass roots to 1"
DK Brown Silty clay, Pebbly,
no odor or stain, dry

Sample: ADPSD501

Sampler(s): HB/TT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: D7

Date: 10-11-15

Time: 1600

Description:

Brownish-red clay + silty clay, abundant pebbles, dry, no odor or stain.

Sample: AOPSD701

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: D8

Date: 10-11-15

Time: 1540

Description: Grass
Brown clay and Silty clay soil, dry, no odor or stain.

Sample: AOPSD801

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: D9

Date: 10-11-15

Time: 1200

Description:

Scattered grass.
Then brown, dry silty clay to 1.5"
Then lighter brown silt w/ trace of clay at fine sand, some pebbles, near runway (20')

Took MS/MSD. 3 volumes

Sample: AOPSD9 01

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: A10

Date: 10-11-15

Time: 1520

Description:

Grass.
Dark brown to brown clay with some pebbles. Dry, no odor or stain, near runway ~~15~~ 5' (DP)

Sample: A0PSD1001

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: E2

Date: 10-10-15

Time: 1800

Description:

Grass, then brown silty Clay; few pebbles, good soil, no rock fragments. moist, no odor or stain; most like actual soil that has been encountered.

Sample: AOPSE201

Sampler(s): DF / HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: E3

Date: 10-10-15

Time: 1715

Description: Brown, clay w/ trace Silt. Abund ant pebbles and coarse fragments, some moister Pockets but mostly dry, no odor or stain

Sample: AOPSE301

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: E4

Date: 10-10-15

Time: 1700

Description:

Grass to 1/2" more abundant,
Then slightly moist to moist, brown
Silty Clay, no odor or stain,
adjacent to an A/C exhaust.

Sample: AOPSE401

Sampler(s): HB/DF

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: E5

Date: 10-10-19

Time: 1630

Description:

Thin <1" grass
Cover dark gray to black
Clay with rock fgmts and gravels.
Dry, no odor or stain

Sample: AOPSE501

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: E6

Date: 10-12-15

Time: 1707

Description:

Fine Gravel from atop asphalt runway.

Sample: AOPSE601

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: F1

Date: 10-10-15

Time: 1745

Description: Dry to slightly moist, hard brown to black silty clay and rock fragments over white weathered limestone, no odor or stain. About 1-1.5" thick

Took duplicate sample.

Sample: AOP C F101 – Duplicate
AOPSF101

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: F2 **Date:** 10-10-15

Time: 1730

Description: Grass about 1/2", abundant
Hard light grading to dark gray clay, rock fragments, Pebbles. Dry, no odor or stain. Near Drainway

Sample: AOPSF201 **Sampler(s):** DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: F5

Date: 10-12-15

Time: 1720

Description:

Fine gravel on top of Asphalt runway outside tent C4.
Asphalt gravels in sample.

Sample: A0PSF501

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: F7

Date: 10-12-15

Time: 1646

Description:

Sub base gravel. Sample taken from a trench cut in asphalt runway. Possible Asphalt gravel in sample.

Sample: AOPSF701

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: F10

Date: 10-11-15

Time: 1630

Description:

Sparse grass.
Dark brown clay to silty clay soil, dry, no oder or stain

Sample: A0PSF1001

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: G6

Date: 10-11-15

Time: 1750

Description: Gray, ~~dray~~ (DF) dry, clayey gravel, no odor or stain, appears to be an gray, dense bedrock or hard consolidated gravel. This is the third attempt at a viable sampling point.

Sample: AOPSG601

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: G-7

Date: 10-11-15

Time: 1740

Description: Bare soil, brown silty clay w/ trace of clay no odor or stain, some rock flour (coarse rock fragments)

Sample: AOPSG701

Sampler(s): DF | HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: G8

Date: 10-11-15

Time: 1720

Description: Sparse grass,
Dry dark brown, ~~so~~ DF clay, some silt, pebbles.
No odor, stain. Hard, dense.

Sample: AOPSG801

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: G9

Date: 10-11-15

Time: 1710

Description:

Sparse grass, dark brown clay, some silty clay; dry, no odor or stain.

Sample: AOPSG901

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: G-10 **Date:** 10-11-15

Time: 1700

Description: No grass bare soil
DK gray, pebbly hard clay,
Pebbles, ~~No soil~~ DF no odor or stain.

Sample: AOPSG1001 **Sampler(s):** DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: H3

Date: 10-12-15

Time: 1700

Description: Grass.
Brown, Silty clay loam with few pebbles. ~~MS~~ DF
Slightly moist, no odor or stain near plastic barricades. *

* Took MS/MSD (3 volumes total)

Sample: AOPSH301

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: H4

Date: 10-12-15

Time: 1715

Description:

Brown silty clay w/ very little gravel, dry no staining/odor terminated @ 3.0'.

Sample: AOPSH401

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: H5

Date: 10-12-15

Time: 1720

Description: Grass.
Hard, dry brown to dark brown Silty Clay, no odor or Stain.

* took duplicate
* no photo zone

AOPCH501

Sample: AOPSH501

Sampler(s): DF/RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: J2

Date: 10-12-15

Time: 1520

Description:

Brown silty clay w/ gravel; dry, no stains/odor
terminated @ 3".

Sample: AOPSJ201

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: J10 **Date:** 10-12-15

Time: 1020

Description:

Light brown dry Sediment. Asphalt just below accumulation of Sediment. ~~RT~~ AW ~~AT~~

Sample: AOPSJ1001 **Sampler(s):** RT/AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: K1

Date: 10·12·15

Time: 1428

Description:

Brown silty Clay, dry, Common gravel Fragments. No odor or Staining. Occasional piece of wire. Sample depth 0-3". Soil very hard.

Sample: AOPSK101

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: K2

Date: 10-12-15

Time: 1457

Description:

Brown silty clay, dry, no odor / staining. Sample depth 0-2"

Sample: AOPSK201

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: K3

Date: 10-12-15

Time: 1505

Description:

Reddish brown silty clay w/ some gravel, dry, no staining/odor
Terminated @ ~~3.4~~ RT 3.0"

* No photography allowed in soil sampling area.

Sample: AOPSK301

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: K5

Date: 10-12-15

Time: 1545

Description:

Grass.

Hard, redbrown clayey gravel and coarse sand (rock fgmts), dry no odor or stain. Surrounded by asphalt and collected in a square of grass.

* No photo Zone

Sample: AOPSK501

Sampler(s): DF

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: K9

Date: 10-12-15

Time: 1005

Description:

Light Brown, dry gravely clay; no odor or stain.

Sample: AOPSK901

Sampler(s): BB/RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: K10 **Date:** 10-12-15

Time: 1000

Description: Brown, Silty, Clayey pebbly fgd sand to silt. Dry, no odor or stain. Next to road. 3" deep and likely ~~1-2~~ (DF) 1-2 feet thick.

AOPCK1001

Sample: AOPSK1001 **Sampler(s):** DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L2

Date: 10-12-15

Time: 1425

Description: Brownish clayey silt, ~~dry~~ RT w/ some gravel, dry. terminated at 3".

Sample: AOPSL201

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L3

Date: 10-12-15

Time: 1500

Description: *

Reddish brown gravelly clay. Predominantly fine gravel with pebbles, dry, no odor or stain. sparse grass. on hill side

* took duplicate

Sample: AOPCL301 AOPSL301

Sampler(s): DF

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L4

Date: 10-12-15

Time: 1520

Description:

Light brown clay & gravel, dry, No odor or Stain.
Sample collected 0-2"

Sample: AOPSL401

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L5

Date: 10-12-15

Time: ~~1545~~ HB 1608

Description:

Light brown Silt + gravel, dry. No odor or staining. Sample depth 0-3.5". Sample located within 3' of transformer (Non PCB) + manhole.

Sample: AOPSL501

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L5-L6 (HB)

Date: 10-12-15

Time: 1545

Description:

Reddish brown clay & Cobble, dry, No odor/staining. No odor/staining. Sample depth 0-2". Sample collected in roadside drainage ditch.

Sample: AOPSL5-L6 (HB) 01

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L7

Date: 10-12-15

Time: 1615

Description: Red brown, gravelly Silty Clay with fgd. Sand
Poorly Sorted gravel, Coarse rock fgmts;
dry, no odor or Stain. SAD

Sample: AOPSL701

Sampler(s): DF

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L8

Date: 10-12-15

Time: 1120

Description:

Reddish brown silty Clay, dry, no odor / staining - Common pebbles. Sample depth 0-3"

Sample: A0PSL801

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L9

Date: 10-12-15

Time: 1100

Description:

Reddish brown silty clay, Dry, No odor or staining, Common pebbles.

Sample: AOPSL901

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: L10

Date: 10-12-15

Time: 1020

Description:

Reddish brown silty Clay, dry, gravely. No odor or staining. On Hillside. Pebbles.

Sample: AOPSL1001

Sampler(s): DF/HB

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: M2

Date: 10-12-15

Time: 1358

Description:

Brown Silty Clay, Dry to moist, With common gravel ~~Fragments~~ AW fragments. No odor / stain. Sample depth 3 to 5" BGS. Sample Was below Fine gravel. ~~I~~ AW Sample near AC unit + condensate discharge within 5' of location.

Sample: AOPSM201

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: M3

Date: 10-12-15

Time: 1400

Description:

Grassy.
Reddish brown, gravelly clay. Mostly fine grained gravel or coarse sand; no odor or stain, dry.

Sample: AOPSM301

Sampler(s): DF

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: MH

Date: 10-12-15

Time: 1335

Description:

Brown silty clay with gravel, dry, No odor. Mica flecks. Glass shards. No odor/staining. Sample depth 0-3". Sample location within 10' of electric box.

Sample: AOPSM401

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: M5

Date: 10-12-15

Time: 1335

Description:

Brown silty clay with gravel, dry, NO odor/staining.
Sampling depth 0-3".

Sample: AOPSM501

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: ML6

Date: 10-12-15

Time: 1145

Description:

Light brown gravely clay, some silt, dry. Common rounded pebbles. No odor/staining. Sample depth 0-2.5"

Sample: AOPSML601

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: M7

Date: 10-12-15

Time: 1150

Description:

Reddish brown gravely silty clay, dry, no odor/sample. Common rounded pebbles. Sample depth 0-3".

Sample: AOPSM701

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: M8

Date: 10-12-15

Time: 1125

Description:

Brown silty clay, dry, No odor or stain. Occasional pebbles. Sample depth 0-4.5'. Dup collected

AOPCM801

Sample: AOPSM801

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: M9

Date: 10-12-15

Time: 1105

Description:

Light brown clay/silt, dry, no odor/staining. Very little soil to collect. Common pebbles in sample area. Noticed old wiring + metal fragments near sample area.

Sample: AOPSM901

Sampler(s): AW

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: M10

Date: 10-12-15

Time: 1040

Description:

Reddish brown silty clay, dry, no odor or staining. Common pebbles.

Sample: AOPSM1001

Sampler(s): DF/RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: N3

Date: 10-12-15

Time: 1355

Description:

Grayish brown, clayey silt + gravel, dry, no odor/staining. Terminated @ 4"

Sample: AOPSN301

Sampler(s): RT

RESOLUTION CONSULTANTS

SOIL SAMPLING FORM

Node/Location: N4

Date: 10-12-15

Time: 1335

Description:

Reddish brown, dry
Clay w/ pebbles & weathered
rock fragments. No odor or stain.
Abundant pebbles.

Sample: AOPSN401

Sampler(s): DF

Appendix E
Analytical Result Tables

E-1
Summa

Table E-1 Summa Canisters — All Results

		Sample Location:	AV29IASMHWY1N	AV29IASMHWY1S	AV29IASMHWY1S	AV31IASM01	AV32IASMBKD	AV32IASMM01	AV32IASMM02	AV32IASMMP	AV32IASMMR	AV34IASMB	AV34IASMBKD	AV34IASMCR	AV34IASMCS
		Sample Date:	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015
		Sample Type:	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air	Indoor Air	Indoor Air
Method	**CAS No.**	**Analyte**	**Units**												
TO-15	76-13-1	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	UG_M3	**0.53 J**	**0.55 J**	**0.63 J**	**0.64 J**	**0.75 J**	**0.58 J**	**0.62 J**	**0.55 J**	**0.52 J**	**0.61 J**	**0.6 J**	**0.58 J**	**0.61 J**
TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	UG_M3	1.2 U	1.4 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U
TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	UG_M3	**0.18 J**	**0.21 J**	**0.18 J**	**0.19 J**	**0.14 J**	**0.28 J**	**0.45 J**	**0.32 J**	**0.38 J**	**0.18 J**	**0.12 J**	**0.34 J**	**0.19 J**
TO-15	95-50-1	1,2-DICHLOROBENZENE	UG_M3	0.37 U	0.44 U	0.37 U	0.38 U	0.42 U	0.38 U	0.38 U	0.38 U	0.36 U	0.36 U	0.42 U	0.35 U	0.39 U
TO-15	78-87-5	1,2-DICHLOROPROPANE	UG_M3	0.29 U	0.34 U	0.29 U	0.3 U	0.33 U	0.29 U	0.29 U	0.29 U	0.27 U	0.28 U	0.32 U	0.27 U	0.3 U
TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	UG_M3	0.3 U	0.36 U	0.3 U	0.31 U	0.35 U	0.31 U	0.31 U	0.31 U	0.29 U	0.29 U	0.35 U	0.28 U	0.32 U
TO-15	106-99-0	1,3-BUTADIENE	UG_M3	**0.095 J**	0.16 U	0.14 U	0.14 U	0.16 U	0.14 U	0.14 U	0.14 U	0.13 U	**0.072 J**	0.16 U	**0.12 J**	**0.082 J**
TO-15	541-73-1	1,3-DICHLOROBENZENE	UG_M3	0.37 U	0.44 U	0.37 U	0.38 U	0.42 U	0.38 U	0.38 U	0.38 U	0.36 U	0.36 U	0.42 U	0.35 U	0.39 U
TO-15	123-91-1	1,4-DIOXANE	UG_M3	0.22 U	0.26 U	0.22 U	**0.56 J**	0.26 U	0.23 U	0.23 U	0.23 U	0.21 U	0.21 U	0.25 U	0.21 U	0.23 U
TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	UG_M3	**0.25 J**	0.85 U	0.72 U	0.75 U	0.83 U	**0.25 J**	**0.44 J**	**0.2 J**	**0.27 J**	**0.27 J**	0.82 U	**0.18 J**	0.75 U
TO-15	78-93-3	2-BUTANONE	UG_M3	**2.1 J**	**1.3 J**	**1.4 J**	**2.9**	**2 J**	**1.7 J**	**4.4**	**1.3 J**	**2.7**	**1.2 J**	**2.6**	**2.4**	**1.4 J**
TO-15	591-78-6	2-HEXANONE	UG_M3	0.63 U	0.75 U	0.63 U	0.66 U	0.72 U	**0.36 J**	**0.57 J**	0.64 U	**0.42 J**	0.61 U	0.72 U	**0.78 J**	0.66 U
TO-15	67-63-0	2-PROPANOL	UG_M3	**1.5 J**	**1.3 J**	**1.1 J**	**8.9 J**	**0.76 J**	**4.2 J**	**26 J**	**0.69 J**	**4.9 J**	**2.4**	0.68 UJ	**5.8 J**	**4.4**
TO-15	622-96-8	4-ETHYLTOLUENE	UG_M3	0.3 U	0.36 U	**0.16 J**	**0.2 J**	0.35 U	**0.2 J**	**0.33 J**	**0.26 J**	**0.32 J**	**0.18 J**	0.35 U	**0.28 J**	0.32 U
TO-15	108-10-1	4-METHYL-2-PENTANONE	UG_M3	0.25 U	0.3 U	0.25 U	**2.7**	0.29 U	**0.2 J**	**0.39 J**	0.26 U	**0.41 J**	**0.21 J**	0.29 U	**0.25 J**	**0.28 J**
TO-15	67-64-1	ACETONE	UG_M3	**16**	**17 J**	**27 J**	**20**	**16**	**19**	**92**	**12**	**71**	**24**	**19**	**90**	**52**
TO-15	107-05-1	ALLYL CHLORIDE	UG_M3	0.48 U	0.57 U	0.48 U	0.5 U	0.55 U	0.49 U	0.49 U	0.49 U	0.46 U	0.47 U	0.55 U	0.45 U	0.5 U
TO-15	100-44-7	BENZYL CHLORIDE	UG_M3	0.32 U	0.38 U	0.32 U	0.33 U	0.37 U	0.32 U	0.33 U	0.32 U	0.31 U	0.31 U	0.36 U	0.3 U	0.33 U
TO-15	75-27-4	BROMODICHLOROMETHANE	UG_M3	0.42 U	0.49 U	0.42 U	0.43 U	0.47 U	0.42 U	0.42 U	0.42 U	0.4 U	0.4 U	0.47 U	0.39 U	0.43 U
TO-15	75-25-2	BROMOFORM	UG_M3	0.64 U	0.76 U	0.64 U	0.66 U	0.73 U	0.65 U	0.65 U	0.65 U	0.61 U	0.62 U	0.73 U	0.6 U	0.66 U
TO-15	74-83-9	BROMOMETHANE	UG_M3	0.6 U	0.71 U	0.6 U	0.62 U	0.69 U	0.61 U	0.61 U	0.61 U	0.57 U	0.58 U	0.68 U	0.56 U	0.62 U
TO-15	75-15-0	CARBON DISULFIDE	UG_M3	**0.45 J**	0.57 U	**0.84 J**	0.5 U	0.55 U	0.49 U	**0.28 J**	0.49 U	0.46 U	0.46 U	**0.25 J**	**0.28 J**	0.5 U
TO-15	108-90-7	CHLOROBENZENE	UG_M3	0.28 U	0.34 U	0.28 U	0.29 U	0.32 U	0.29 U	0.29 U	0.29 U	0.27 U	**0.34 J**	0.32 U	0.27 U	0.3 U
TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	UG_M3	0.28 U	0.33 U	0.28 U	0.29 U	0.32 U	0.28 U	0.29 U	0.28 U	0.27 U	0.27 U	0.32 U	0.26 U	0.29 U
TO-15	110-82-7	CYCLOHEXANE	UG_M3	0.21 U	0.25 U	0.21 U	**0.21 J**	0.24 U	0.22 U	0.22 U	**0.15 J**	**0.77**	**1.4**	0.24 U	**1.9**	**0.14 J**
TO-15	124-48-1	DIBROMOCHLOROMETHANE	UG_M3	0.53 U	0.62 U	0.53 U	0.54 U	0.6 U	0.53 U	0.54 U	0.53 U	0.5 U	0.51 U	0.6 U	0.49 U	0.55 U
TO-15	64-17-5	ETHANOL	UG_M3	**9.2**	**5.5**	**4.6**	**73**	**8.8**	**25**	0.3 U	**2.5**	**12**	**6.3**	**5.4**	**36**	**26**
TO-15	142-82-5	HEPTANE	UG_M3	**0.38 J**	**0.15 J**	**0.095 J**	**0.17 J**	0.29 U	**0.5 J**	**1.2**	**0.18 J**	**0.66**	**0.26 J**	**0.23 J**	**0.63**	**0.27 J**
TO-15	87-68-3	HEXACHLOROBUTADIENE	UG_M3	1.6 U	2 U	1.6 U	1.7 U	1.9 U	1.7 U	1.7 U	1.7 U	1.6 U	1.6 U	1.9 U	1.5 U	1.7 U
TO-15	110-54-3	HEXANE	UG_M3	**0.21 J**	0.26 U	**0.11 J**	**0.12 J**	**0.14 J**	**0.22 J**	**0.41 J**	**0.18 J**	**0.27 J**	**0.19 J**	**0.18 J**	**0.4 J**	**0.13 J**
TO-15	98-82-8	ISOPROPYLBENZENE	UG_M3	0.3 U	0.36 U	0.3 U	**0.13 J**	0.35 U	0.31 U	**0.19 J**	0.31 U	0.29 U	0.29 U	0.35 U	0.28 U	0.32 U
TO-15	75-09-2	METHYLENE CHLORIDE	UG_M3	**3.9**	0.25 U	0.22 U	**2**	0.24 U	0.22 U	0.22 U	0.22 U	0.2 U	**1.7**	0.24 U	**2.8**	0.22 U
TO-15	103-65-1	PROPYLBENZENE	UG_M3	0.3 U	0.36 U	0.3 U	0.31 U	0.35 U	0.31 U	0.31 U	0.31 U	**0.12 J**	0.29 U	0.35 U	**0.13 J**	0.32 U
TO-15	100-42-5	STYRENE	UG_M3	**0.11 J**	0.31 U	**0.1 J**	**0.22 J**	0.3 U	**0.31 J**	**1.2**	**0.16 J**	**0.26 J**	**0.18 J**	0.3 U	**7.2**	**1.3**
TO-15	109-99-9	TETRAHYDROFURAN	UG_M3	0.68 U	0.8 U	0.68 U	0.7 U	0.77 U	0.68 U	**1.6 J**	0.68 U	0.64 U	0.65 U	0.77 U	0.63 U	0.7 U
TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UG_M3	0.28 U	0.33 U	0.28 U	0.29 U	0.32 U	0.28 U	0.29 U	0.28 U	0.27 U	0.27 U	0.32 U	0.26 U	0.29 U
TO-15	75-69-4	TRICHLOROFLUOROMETHANE	UG_M3	**1.5**	**1.4**	**1.4**	**1.9**	**1.6**	**1.3**	**1.3**	**1.3**	**1.3**	**1.3**	**1.7**	**1.4**	**1.7**

Table E-1 Summa Canisters — All Results

		Sample Location:	AV29IASMHWY1N	AV29IASMHWY1S	AV29IASMHWY1S	AV31IASM01	AV32IASMBKD	AV32IASMM01	AV32IASMM02	AV32IASMMP	AV32IASMMR	AV34IASMB	AV34IASMBKD	AV34IASMCR	AV34IASMCS
		Sample Date:	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015
		Sample Type:	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air	Indoor Air	Indoor Air
Method	**CAS No.**	**Analyte**	**Units**												
TO-15_SIM	71-55-6	1,1,1-TRICHLOROETHANE	UG_M3	**0.02 J**	**0.016 J**	**0.019 J**	**0.028 J**	**0.022 J**	**0.018 J**	**0.019 J**	**0.014 J**	**0.015 J**	**0.018 J**	**0.02 J**	**0.02 J**	**0.019 J**
TO-15_SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	UG_M3	0.042 U	0.05 U	0.042 U	0.044 U	0.049 U	0.043 U	0.043 U	0.043 U	0.041 U	0.041 U	0.048 U	0.04 U	0.044 U
TO-15_SIM	79-00-5	1,1,2-TRICHLOROETHANE	UG_M3	0.034 U	0.04 U	0.034 U	0.035 U	0.039 U	0.034 U	0.034 U	0.034 U	0.032 U	0.032 U	0.038 U	0.032 U	0.035 U
TO-15_SIM	75-34-3	1,1-DICHLOROETHANE	UG_M3	0.025 U	0.03 U	0.025 U	0.026 U	0.029 U	0.025 U	0.026 U	0.025 U	0.024 U	0.024 U	0.028 U	0.023 U	0.026 U
TO-15_SIM	75-35-4	1,1-DICHLOROETHENE	UG_M3	0.024 U	0.029 U	0.024 U	0.025 U	0.028 U	0.025 U	0.025 U	0.025 U	0.023 U	0.024 U	0.028 U	0.023 U	0.026 U
TO-15_SIM	106-93-4	1,2-DIBROMOETHANE	UG_M3	0.048 U	0.056 U	0.048 U	0.049 U	0.054 U	0.048 U	0.048 U	0.048 U	0.045 U	0.046 U	0.054 U	0.044 U	0.049 U
TO-15_SIM	76-14-2	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	UG_M3	**0.12 J**	**0.12 J**	**0.12 J**	**0.13 J**	**0.13 J**	**0.12 J**	**0.11 J**	**0.11 J**	**0.11 J**	**0.12 J**	**0.13 J**	**0.12 J**	**0.14 J**
TO-15_SIM	107-06-2	1,2-DICHLOROETHANE	UG_M3	0.025 U	0.03 U	0.025 U	0.026 U	**0.035 J**	**0.1 J**	**0.057 J**	**0.034 J**	**0.049 J**	0.024 U	0.028 U	0.023 U	0.026 U
TO-15_SIM	106-46-7	1,4-DICHLOROBENZENE	UG_M3	0.037 U	0.044 U	0.037 U	0.038 U	0.042 UJ	0.038 UJ	0.038 UJ	0.038 UJ	0.036 UJ	0.036 U	0.042 U	0.035 U	0.039 U
TO-15_SIM	71-43-2	BENZENE	UG_M3	**0.37**	**0.36**	**0.36**	**0.28**	**0.34**	**0.43**	**0.61**	**3.6**	**0.46**	**0.47**	**0.34**	**0.48**	**0.36**
TO-15_SIM	56-23-5	CARBON TETRACHLORIDE	UG_M3	**0.65 J**	**0.62 J**	**0.57 J**	**0.57 J**	**0.53 J**	**0.6 J**	**0.68 J**	**0.51 J**	**0.59 J**	**0.6 J**	**0.54 J**	**0.56 J**	**0.56 J**
TO-15_SIM	75-00-3	CHLOROETHANE	UG_M3	**0.03 J**	**0.05 J**	**0.029 J**	**0.062 J**	**0.05 J**	0.16 U	**0.034 J**	**0.039 J**	**0.075 J**	**0.034 J**	**0.097 J**	**0.078 J**	**0.072 J**
TO-15_SIM	67-66-3	CHLOROFORM	UG_M3	**0.095 J**	**0.079 J**	**0.086 J**	**0.19**	**0.084 J**	**0.085 J**	**0.16**	**0.08 J**	**0.16**	**0.12 J**	**0.081 J**	**0.1 J**	**0.14 J**
TO-15_SIM	74-87-3	CHLOROMETHANE	UG_M3	**1.7**	**1.6**	**1.5**	**1.5**	**1.7 J**	**1.7 J**	**1.9 J**	**2 J**	**1.7 J**	**1.6**	**1.7**	**1.6**	**1.3**
TO-15_SIM	156-59-2	CIS-1,2-DICHLOROETHENE	UG_M3	0.024 U	0.029 U	0.024 U	0.025 U	0.028 U	0.025 U	0.025 U	0.025 U	0.023 U	0.024 U	0.028 U	0.023 U	0.026 U
TO-15_SIM	75-71-8	DICHLORODIFLUOROMETHANE	UG_M3	**2.8**	**2.7**	**2.7**	**2.5**	**2.8**	**2.6**	**2.5**	**2.5**	**2.5**	**2.6**	**2.8**	**2.5**	**3**
TO-15_SIM	100-41-4	ETHYLBENZENE	UG_M3	**0.12 J**	**0.12 J**	**0.12 J**	**0.16**	**0.1 J**	**0.25**	**0.94**	**0.21**	**0.29**	**0.18**	**0.085 J**	**0.23**	**0.1 J**
TO-15_SIM	108-38-3/106-42	M- AND P-XYLENE	UG_M3	**0.32**	**0.3 J**	**0.32**	**0.48**	**0.28 J**	**0.6**	**2.3**	**0.61**	**0.79**	**0.49**	**0.24 J**	**0.6**	**0.24 J**
TO-15_SIM	1634-04-4	METHYL TERT-BUTYL ETHER	UG_M3	0.022 U	0.026 U	0.022 U	0.023 U	0.026 U	0.023 U	**0.012 J**	0.023 U	**0.023 J**	0.021 U	0.025 U	0.021 U	0.023 U
TO-15_SIM	95-47-6	O-XYLENE	UG_M3	**0.12 J**	**0.11 J**	**0.12 J**	**0.23**	**0.15 J**	**0.25**	**0.75**	**0.27**	**0.36**	**0.2**	**0.087 J**	**0.33**	**0.11 J**
TO-15_SIM	127-18-4	TETRACHLOROETHENE	UG_M3	0.042 U	0.05 U	0.042 U	**0.11 J**	0.048 U	0.042 U	**0.22**	**0.07 J**	**0.033 J**	**0.054 J**	0.048 U	**0.088 J**	**0.032 J**
TO-15_SIM	108-88-3	TOLUENE	UG_M3	**1**	**1.1**	**1.1**	**13**	**0.7**	**3**	**5**	**2.7**	**2.7**	**2**	**0.84**	**7.6**	**1.6**
TO-15_SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	UG_M3	**0.024 J**	0.029 U	**0.026 J**	0.025 U	0.028 U	0.025 U	0.025 U	0.025 U	0.023 U	**0.026 J**	0.028 U	0.023 U	**0.03 J**
TO-15_SIM	79-01-6	TRICHLOROETHENE	UG_M3	0.033 U	0.039 U	0.033 U	**0.044 J**	**0.017 J**	0.034 UJ	0.034 UJ	**0.022 J**	**0.021 J**	**0.077 J**	0.038 U	**0.029 J**	**0.16 J**
TO-15_SIM	75-01-4	VINYL CHLORIDE	UG_M3	0.016 U	0.019 U	0.016 U	**0.061**	0.018 U	0.016 U	0.016 U	0.016 U	0.015 U	0.015 U	0.018 U	0.015 U	**0.013 J**

Table E-1 Summa Canisters — All Results

		Sample Location:	AV34IASMHWY1N	AV34IASMHWY1S	ELCIASMBL1	ELCIASMBL2	ELCIASMBL2	ELCIASMBL3100	ELCIASMBL3107	ELCIASMBL4MR	ELCIASMBL5	TENTIASMA13	TENTIASMA2	TENTIASMA9	TENTIASMB14
		Sample Date:	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
		Sample Type:	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Method	**CAS No.**	**Analyte**	**Units**												
TO-15	76-13-1	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	UG_M3	**0.52 J**	**0.54 J**	**0.48 J**	**0.57 J**	**0.52 J**	**0.51 J**	**0.55 J**	**0.61 J**	**0.48 J**	**0.58 J**	**0.54 J**	**0.53 J**	**0.44 J**
TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	UG_M3	1.4 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.4 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U
TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	UG_M3	**0.28 J**	**0.23 J**	**0.12 J**	**0.13 J**	**0.16 J**	**0.2 J**	**0.18 J**	**0.2 J**	**0.39 J**	**0.14 J**	**0.18 J**	**0.52 J**	**0.14 J**
TO-15	95-50-1	1,2-DICHLOROBENZENE	UG_M3	0.44 U	0.38 U	0.36 U	0.34 U	0.37 U	0.4 U	0.45 U	0.39 U	0.39 U	0.35 U	0.42 U	0.4 U	0.39 U
TO-15	78-87-5	1,2-DICHLOROPROPANE	UG_M3	0.34 U	0.29 U	0.28 U	0.26 U	0.28 U	0.31 U	0.34 U	0.3 U	0.3 U	0.27 U	0.32 U	0.31 U	0.3 U
TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	UG_M3	0.36 U	0.31 U	0.3 U	0.28 U	0.3 U	0.33 U	0.36 U	0.32 U	**0.16 J**	0.28 U	0.35 U	0.33 U	0.32 U
TO-15	106-99-0	1,3-BUTADIENE	UG_M3	**0.096 J**	0.14 U	0.13 U	0.13 U	0.14 U	**0.14 J**	0.16 U	0.14 U	0.14 U	0.13 U	0.16 U	0.15 U	0.14 U
TO-15	541-73-1	1,3-DICHLOROBENZENE	UG_M3	0.44 U	0.38 U	0.36 U	0.34 U	0.37 U	0.4 U	0.45 U	0.39 U	0.39 U	0.35 U	0.42 U	0.4 U	0.39 U
TO-15	123-91-1	1,4-DIOXANE	UG_M3	0.27 U	0.22 U	**0.32 J**	0.21 U	0.22 U	0.24 U	0.27 U	0.24 U	0.23 U	0.21 U	0.25 U	0.24 U	0.23 U
TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	UG_M3	**0.24 J**	0.73 U	**0.2 J**	0.67 U	0.71 U	0.78 U	0.87 U	0.77 U	0.75 U	0.68 U	0.82 U	0.78 U	0.76 U
TO-15	78-93-3	2-BUTANONE	UG_M3	**1.7 J**	**1.8 J**	**1.4 J**	**0.86 J**	**1.6 J**	**1.5 J**	**0.82 J**	**0.96 J**	**1.6 J**	**0.66 J**	**0.9 J**	**1 J**	**0.87 J**
TO-15	591-78-6	2-HEXANONE	UG_M3	0.76 U	**0.55 J**	0.62 U	0.58 U	0.63 U	0.69 U	0.76 U	0.67 U	0.66 U	0.59 U	0.72 U	0.68 U	0.67 U
TO-15	67-63-0	2-PROPANOL	UG_M3	**14 J**	**11**	**1.9 J**	**0.68 J**	**0.7 J**	**2.7**	**1.6 J**	**2.4**	**3.6 J**	0.56 UJ	**1.3 J**	0.64 UJ	0.63 UJ
TO-15	622-96-8	4-ETHYLTOLUENE	UG_M3	**0.17 J**	**0.21 J**	0.3 U	0.28 U	0.3 U	**0.15 J**	0.36 U	0.32 U	**0.27 J**	0.28 U	0.35 U	**0.46 J**	0.32 U
TO-15	108-10-1	4-METHYL-2-PENTANONE	UG_M3	**0.7 J**	**0.35 J**	0.25 U	0.23 U	**0.14 J**	**0.15 J**	0.3 U	0.27 U	**3.1**	0.24 U	0.29 U	0.27 U	0.27 U
TO-15	67-64-1	ACETONE	UG_M3	0.44 U	0.37 U	**12**	**8 J**	**10 J**	**16**	**17**	**11**	**27**	**6**	**15**	**7.5**	**6.6**
TO-15	107-05-1	ALLYL CHLORIDE	UG_M3	0.58 U	0.49 U	0.48 U	0.45 U	0.48 U	0.52 U	0.58 U	0.51 U	0.5 U	0.45 U	0.55 U	0.52 U	0.51 U
TO-15	100-44-7	BENZYL CHLORIDE	UG_M3	0.38 U	0.32 U	0.31 U	0.3 U	0.32 U	0.35 U	0.38 U	0.34 U	0.33 U	0.3 U	0.36 U	0.34 U	0.34 U
TO-15	75-27-4	BROMODICHLOROMETHANE	UG_M3	0.5 U	0.42 U	0.41 U	0.38 U	0.41 U	0.45 U	0.5 U	0.44 U	0.43 U	0.39 U	0.47 U	0.44 U	0.44 U
TO-15	75-25-2	BROMOFORM	UG_M3	0.76 U	0.64 U	0.63 U	0.59 U	0.63 U	0.69 U	0.77 U	0.68 U	0.66 U	0.6 U	0.73 U	0.69 U	0.67 U
TO-15	74-83-9	BROMOMETHANE	UG_M3	0.72 U	0.6 U	0.59 U	0.56 U	0.59 U	0.65 U	0.72 U	0.64 U	0.62 U	0.56 U	0.68 U	0.64 U	0.63 U
TO-15	75-15-0	CARBON DISULFIDE	UG_M3	**0.23 J**	**0.24 J**	0.47 U	0.44 U	0.48 U	0.52 U	0.58 U	0.51 U	0.5 U	0.45 U	0.55 U	0.52 U	0.51 U
TO-15	108-90-7	CHLOROBENZENE	UG_M3	0.34 U	0.29 U	0.28 U	0.26 U	0.28 U	0.31 U	0.34 U	0.3 U	0.3 U	0.27 U	0.32 U	0.3 U	0.3 U
TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	UG_M3	0.34 U	0.28 U	0.28 U	0.26 U	0.28 U	0.3 U	0.34 U	0.3 U	0.29 U	0.26 U	0.32 U	0.3 U	0.3 U
TO-15	110-82-7	CYCLOHEXANE	UG_M3	0.25 U	**0.12 J**	**0.15 J**	0.2 U	0.21 U	0.23 U	0.26 U	0.22 U	0.22 U	0.2 U	0.24 U	0.23 U	0.22 U
TO-15	124-48-1	DIBROMOCHLOROMETHANE	UG_M3	0.63 U	0.53 U	0.52 U	0.49 U	0.52 U	0.57 U	0.63 U	0.56 U	0.55 U	0.49 U	0.6 U	0.56 U	0.56 U
TO-15	64-17-5	ETHANOL	UG_M3	**190 J**	0.29 U	**3.1**	**2.8**	**2.7**	**21**	**10**	**46**	**370 J**	0.27 U	**2.3**	0.31 U	0.31 U
TO-15	142-82-5	HEPTANE	UG_M3	**0.48 J**	**0.44 J**	**0.37 J**	0.23 U	0.25 U	**0.16 J**	0.3 U	**0.086 J**	0.26 U	0.24 U	0.29 U	0.27 U	**0.12 J**
TO-15	87-68-3	HEXACHLOROBUTADIENE	UG_M3	2 U	1.7 U	1.6 U	1.5 U	1.6 U	1.8 U	2 U	1.7 U	1.7 U	1.5 U	1.9 U	1.8 U	1.7 U
TO-15	110-54-3	HEXANE	UG_M3	**0.19 J**	**0.21 J**	**0.28 J**	**0.1 J**	**0.13 J**	**0.096 J**	0.26 U	**0.11 J**	**0.097 J**	**0.11 J**	**0.11 J**	**0.11 J**	0.23 U
TO-15	98-82-8	ISOPROPYLBENZENE	UG_M3	0.36 U	0.31 U	0.3 U	0.28 U	0.3 U	0.33 U	0.36 U	0.32 U	0.32 U	0.28 U	0.35 U	0.33 U	0.32 U
TO-15	75-09-2	METHYLENE CHLORIDE	UG_M3	0.26 U	0.22 U	0.21 U	0.2 U	0.21 U	0.23 U	0.26 U	0.23 U	0.22 U	0.2 U	0.24 U	0.23 U	0.23 U
TO-15	103-65-1	PROPYLBENZENE	UG_M3	0.36 U	0.31 U	0.3 U	0.28 U	0.3 U	0.33 U	0.36 U	0.32 U	0.32 U	0.28 U	0.35 U	0.33 U	0.32 U
TO-15	100-42-5	STYRENE	UG_M3	**0.97**	**5**	0.26 U	**0.068 J**	**0.09 J**	**0.28 J**	**0.22 J**	0.28 U	**0.29 J**	0.25 U	**0.28 J**	**0.1 J**	0.28 U
TO-15	109-99-9	TETRAHYDROFURAN	UG_M3	0.8 U	0.68 U	0.66 U	0.62 U	0.67 U	0.73 U	0.81 U	0.71 U	0.7 U	0.63 U	0.77 U	0.72 U	0.71 U
TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UG_M3	0.34 U	0.28 U	0.28 U	0.26 U	0.28 U	0.3 U	0.34 U	0.3 U	0.29 U	0.26 U	0.32 U	0.3 U	0.3 U
TO-15	75-69-4	TRICHLOROFLUOROMETHANE	UG_M3	**1.3**	**1.7**	**1.3**	**1.3**	**1.4**	**1.3**	**1.4**	**1.4**	**1.3**	**1.3**	**1.4**	**1.4**	**1.3**

Table E-1 Summa Canisters — All Results

		Sample Location:		AV34IASMHWY1N	AV34IASMHWY1S	ELCIASMBL1	ELCIASMBL2	ELCIASMBL2	ELCIASMBL3100	ELCIASMBL3107	ELCIASMBL4MR	ELCIASMBL5	TENTIASMA13	TENTIASMA2	TENTIASMA9	TENTIASMB14
		Sample Date:		10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
		Sample Type:		Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:		Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Method	**CAS No.**	**Analyte**	**Units**													
TO-15_SIM	71-55-6	1,1,1-TRICHLOROETHANE	UG_M3	**0.018 J**	0.034 U	**0.017 J**	**0.017 J**	**0.02 J**	**0.014 J**	**0.016 J**	**0.016 J**	**0.02 J**	**0.017 J**	**0.018 J**	**0.017 J**	**0.015 J**
TO-15_SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	UG_M3	0.051 U	0.043 U	0.042 U	0.039 U	0.042 U	0.046 U	0.051 U	0.045 U	0.044 U	0.04 U	0.048 U	0.046 U	0.045 U
TO-15_SIM	79-00-5	1,1,2-TRICHLOROETHANE	UG_M3	0.04 U	0.034 U	0.033 U	0.031 U	0.033 U	0.037 U	0.041 U	0.036 U	0.035 U	0.032 U	0.038 U	0.036 U	0.036 U
TO-15_SIM	75-34-3	1,1-DICHLOROETHANE	UG_M3	0.03 U	0.025 U	**0.014 J**	0.023 U	0.025 U	0.027 U	0.03 U	0.026 U	0.026 U	0.023 U	0.028 U	0.027 U	0.026 U
TO-15_SIM	75-35-4	1,1-DICHLOROETHENE	UG_M3	0.029 U	0.025 U	0.024 U	0.023 U	0.024 U	0.027 U	0.029 U	0.026 U	0.026 U	0.023 U	0.028 U	0.026 U	0.026 U
TO-15_SIM	106-93-4	1,2-DIBROMOETHANE	UG_M3	0.057 U	0.048 U	0.047 U	0.044 U	0.047 U	0.052 U	0.057 U	0.05 U	0.049 U	0.044 U	0.054 U	0.051 U	0.05 U
TO-15_SIM	76-14-2	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	UG_M3	**0.11 J**	**0.12 J**	**0.12 J**	**0.12 J**	**0.12 J**	**0.12 J**	**0.13 J**	**0.13 J**	**0.11 J**	**0.12 J**	**0.11 J**	**0.12 J**	**0.11 J**
TO-15_SIM	107-06-2	1,2-DICHLOROETHANE	UG_M3	0.03 U	0.025 U	0.025 U	0.023 U	0.025 U	0.027 U	0.03 U	0.026 U	**0.15**	**0.025 J**	**0.034 J**	**0.029 J**	**0.037 J**
TO-15_SIM	106-46-7	1,4-DICHLOROBENZENE	UG_M3	0.044 U	0.038 U	0.036 U	0.034 U	0.037 U	0.04 U	0.045 U	0.039 U	0.039 U	0.035 UJ	0.042 UJ	0.04 UJ	0.039 UJ
TO-15_SIM	71-43-2	BENZENE	UG_M3	**0.44**	**0.42**	**0.32**	**0.33**	**0.37**	**0.33**	**0.37**	**0.3**	**0.35**	**0.35**	**0.33**	**0.34**	**0.32**
TO-15_SIM	56-23-5	CARBON TETRACHLORIDE	UG_M3	**0.61 J**	**0.54 J**	**0.62 J**	**0.56 J**	**0.55 J**	**0.6 J**	**0.63 J**	**0.51 J**	**0.65 J**	**0.54 J**	**0.53 J**	**0.61 J**	**0.52 J**
TO-15_SIM	75-00-3	CHLOROETHANE	UG_M3	**0.07 J**	**0.053 J**	**0.025 J**	**0.031 J**	**0.035 J**	**0.033 J**	0.2 U	**0.032 J**	**0.053 J**	0.15 U	**0.039 J**	**0.06 J**	**0.059 J**
TO-15_SIM	67-66-3	CHLOROFORM	UG_M3	**0.12 J**	**0.1 J**	**0.079 J**	**0.074 J**	**0.081 J**	**0.11 J**	**0.087 J**	**0.075 J**	**0.095 J**	**0.076 J**	**0.088 J**	**0.079 J**	**0.073 J**
TO-15_SIM	74-87-3	CHLOROMETHANE	UG_M3	**1.7**	**1.7**	**1.6**	**1.4**	**1.4**	**1.5**	**1.5**	**1.5**	**1.6**	**1.6 J**	**1.6 J**	**1.8 J**	**1.7 J**
TO-15_SIM	156-59-2	CIS-1,2-DICHLOROETHENE	UG_M3	0.029 U	0.025 U	0.024 U	0.023 U	0.024 U	0.027 U	0.029 U	0.026 U	0.026 U	0.023 U	0.028 U	0.026 U	0.026 U
TO-15_SIM	75-71-8	DICHLORODIFLUOROMETHANE	UG_M3	**2.4**	**2.5**	**2.5**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**	**2.5**	**2.6**	**2.5**	**2.6**	**2.6**
TO-15_SIM	100-41-4	ETHYLBENZENE	UG_M3	**0.16**	**0.15**	**0.15**	**0.096 J**	**0.1 J**	**0.15**	**0.14 J**	**0.11 J**	**0.42**	**0.087 J**	**0.093 J**	**0.14 J**	**0.078 J**
TO-15_SIM	108-38-3/106-42	M- AND P-XYLENE	UG_M3	**0.35**	**0.33**	**0.38**	**0.25**	**0.26 J**	**0.27 J**	**0.25 J**	**0.26 J**	**0.93**	**0.23 J**	**0.24 J**	**0.39**	**0.22 J**
TO-15_SIM	1634-04-4	METHYL TERT-BUTYL ETHER	UG_M3	0.027 U	0.022 U	0.022 U	**0.0058 J**	0.022 U	**0.0089 J**	0.027 U	0.024 U	0.023 U	0.021 U	0.025 U	**0.01 J**	0.024 U
TO-15_SIM	95-47-6	O-XYLENE	UG_M3	**0.15 J**	**0.21**	**0.18**	**0.09 J**	**0.13 J**	**0.1 J**	**0.094 J**	**0.14 J**	**0.46**	**0.12 J**	**0.086 J**	**0.17**	**0.076 J**
TO-15_SIM	127-18-4	TETRACHLOROETHENE	UG_M3	**0.084 J**	**0.063 J**	**0.027 J**	**0.015 J**	**0.093 J**	**0.087 J**	**0.025 J**	**0.076 J**	**0.024 J**	0.039 U	0.048 U	0.045 U	0.044 U
TO-15_SIM	108-88-3	TOLUENE	UG_M3	**1.2**	**3.2**	**4.9**	**0.68**	**0.68**	**0.94**	**0.79**	**0.61**	**4.4**	**0.69**	**0.94**	**0.84**	**0.58**
TO-15_SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	UG_M3	0.029 U	0.025 U	0.024 U	0.023 U	0.024 U	0.027 U	0.029 U	0.026 U	0.026 U	0.023 U	0.028 U	0.026 U	0.026 U
TO-15_SIM	79-01-6	TRICHLOROETHENE	UG_M3	**0.061 J**	**0.021 J**	0.033 U	0.031 U	**0.16 J**	**0.017 J**	0.04 U	**0.02 J**	0.035 U	0.031 UJ	0.038 UJ	0.036 UJ	0.035 UJ
TO-15_SIM	75-01-4	VINYL CHLORIDE	UG_M3	0.019 U	0.016 U	0.016 U	0.015 U	0.016 U	0.017 U	0.019 U	0.017 U	0.016 U	0.015 U	0.018 U	0.017 U	0.017 U

Table E-1 Summa Canisters — All Results

		Sample Location:	TENTIASMB2	TENTIASMC1	TENTIASMC13	TENTIASMC13	TENTIASMC7	TENTIASMD1	TENTIASMD10	TENTIASMD11	TENTIASML1	TENTIASMS1	TENTIASMS3
		Sample Date:	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
		Sample Type:	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Method	**CAS No.**	**Analyte**	**Units**										
TO-15	76-13-1	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	UG_M3	**0.6 J**	**0.54 J**	**0.58 J**	**0.7 J**	**0.56 J**	**0.58 J**	**0.49 J**	**0.55 J**	**0.54 J**	**0.63 J**	**0.56 J**
TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	UG_M3	1.2 U	1.2 U	1.2 U	2.3 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	UG_M3	**0.13 J**	**0.13 J**	**0.11 J**	**0.44 J**	**0.28 J**	**0.13 J**	**0.14 J**	**0.14 J**	**0.11 J**	**0.22 J**	**0.12 J**
TO-15	95-50-1	1,2-DICHLOROBENZENE	UG_M3	0.39 U	0.39 U	0.39 U	0.74 U	0.36 U	0.36 U	0.38 U	0.37 U	0.39 U	0.39 U	0.36 U
TO-15	78-87-5	1,2-DICHLOROPROPANE	UG_M3	0.3 U	0.3 U	0.3 U	0.56 U	0.27 U	0.28 U	0.29 U	0.29 U	0.3 U	0.3 U	0.28 U
TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	UG_M3	0.32 U	0.32 U	0.32 U	0.6 U	**0.14 J**	0.3 U	0.31 U	0.3 U	0.32 U	0.32 U	0.3 U
TO-15	106-99-0	1,3-BUTADIENE	UG_M3	0.14 U	0.14 U	0.14 U	0.27 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U
TO-15	541-73-1	1,3-DICHLOROBENZENE	UG_M3	0.39 U	0.39 U	0.39 U	0.74 U	0.36 U	0.36 U	0.38 U	0.37 U	0.39 U	0.39 U	0.36 U
TO-15	123-91-1	1,4-DIOXANE	UG_M3	0.23 U	0.24 U	0.24 UJ	**230 J**	0.21 U	0.22 U	0.22 U	0.22 U	0.23 U	0.24 U	0.22 U
TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	UG_M3	0.76 U	**0.24 J**	0.77 U	1.4 U	**0.35 J**	0.7 U	0.73 U	0.72 U	0.75 U	**0.36 J**	0.71 U
TO-15	78-93-3	2-BUTANONE	UG_M3	**1.4 J**	**1.7 J**	**1.4 J**	**1.2 J**	**1.5 J**	**1.5 J**	**1.4 J**	**0.85 J**	**2.4**	**2.7**	**1.4 J**
TO-15	591-78-6	2-HEXANONE	UG_M3	0.67 U	0.67 U	0.67 U	1.2 U	0.61 U	0.62 U	0.64 U	0.63 U	0.66 U	0.67 U	0.62 U
TO-15	67-63-0	2-PROPANOL	UG_M3	**0.7 J**	0.64 UJ	0.64 UJ	1.2 UJ	**4.3 J**	**1.3 J**	0.6 UJ	0.6 UJ	0.62 UJ	**2.3 J**	**0.62 J**
TO-15	622-96-8	4-ETHYLTOLUENE	UG_M3	0.32 U	0.32 U	0.32 U	**0.33 J**	**0.26 J**	0.3 U	0.31 U	0.3 U	0.32 U	**0.22 J**	0.3 U
TO-15	108-10-1	4-METHYL-2-PENTANONE	UG_M3	0.27 U	0.27 U	**0.15 J**	0.5 U	**0.24 J**	**0.17 J**	**0.19 J**	0.25 U	0.26 U	**0.24 J**	0.25 U
TO-15	67-64-1	ACETONE	UG_M3	**9.5**	**9.3**	**9.9**	**12**	**11**	**14**	**10**	**7.1**	**10**	**12**	**8.1**
TO-15	107-05-1	ALLYL CHLORIDE	UG_M3	0.51 U	0.51 U	0.51 U	0.96 U	0.46 U	0.47 U	0.49 U	0.48 U	0.5 U	0.51 U	0.48 U
TO-15	100-44-7	BENZYL CHLORIDE	UG_M3	0.34 U	0.34 U	0.34 U	0.63 U	0.31 U	0.31 U	0.32 U	0.32 U	0.33 U	0.34 U	0.31 U
TO-15	75-27-4	BROMODICHLOROMETHANE	UG_M3	0.44 U	0.44 U	0.44 U	0.82 U	0.4 U	0.4 U	0.42 U	0.42 U	0.43 U	**0.64 J**	**0.47 J**
TO-15	75-25-2	BROMOFORM	UG_M3	0.67 U	0.68 U	0.68 U	1.3 U	0.61 U	0.62 U	0.64 U	0.64 U	0.66 U	**2.9**	**2.4**
TO-15	74-83-9	BROMOMETHANE	UG_M3	0.63 U	0.64 U	0.64 U	1.2 U	0.57 U	0.59 U	0.6 U	0.6 U	0.62 U	0.64 U	0.59 U
TO-15	75-15-0	CARBON DISULFIDE	UG_M3	0.51 U	**0.27 J**	0.51 U	0.95 U	0.46 U	0.47 U	**0.55 J**	0.48 U	0.5 U	**0.36 J**	0.47 U
TO-15	108-90-7	CHLOROBENZENE	UG_M3	0.3 U	0.3 U	0.3 U	0.56 U	0.27 U	0.28 U	0.29 U	0.28 U	0.3 U	0.3 U	0.28 U
TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	UG_M3	0.3 U	0.3 U	0.3 U	0.56 U	0.27 U	0.27 U	0.28 U	0.28 U	0.29 U	0.3 U	0.28 U
TO-15	110-82-7	CYCLOHEXANE	UG_M3	**0.17 J**	**0.8**	0.22 U	0.42 U	**2.5**	**0.45 J**	0.21 U	0.21 U	0.22 U	**0.32 J**	**0.2 J**
TO-15	124-48-1	DIBROMOCHLOROMETHANE	UG_M3	0.56 U	0.56 U	0.56 U	1 U	0.5 U	0.51 U	0.53 U	0.53 U	0.55 U	**1 J**	**0.78 J**
TO-15	64-17-5	ETHANOL	UG_M3	**1.9**	**5.5**	**2.1**	0.58 U	**9.5**	**2.4**	**2.5**	**2.4**	**2.9**	0.31 U	**4.2**
TO-15	142-82-5	HEPTANE	UG_M3	0.27 U	**0.31 J**	0.27 U	0.5 U	**0.58 J**	0.25 U	0.26 U	**0.2 J**	0.26 U	**0.3 J**	**0.15 J**
TO-15	87-68-3	HEXACHLOROBUTADIENE	UG_M3	1.7 U	1.7 U	1.7 U	3.3 U	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U	1.6 U
TO-15	110-54-3	HEXANE	UG_M3	**0.096 J**	**0.17 J**	**0.096 J**	**0.17 J**	**0.28 J**	**0.16 J**	**0.089 J**	**0.15 J**	**0.14 J**	**0.16 J**	**0.1 J**
TO-15	98-82-8	ISOPROPYLBENZENE	UG_M3	0.32 U	0.32 U	0.32 U	0.6 U	0.29 U	0.3 U	0.31 U	0.3 U	0.32 U	0.32 U	0.3 U
TO-15	75-09-2	METHYLENE CHLORIDE	UG_M3	0.23 U	**6.5**	0.23 U	0.42 U	**1.6**	0.21 U	0.22 U	**1.5**	0.22 U	**1.6**	**2.7**
TO-15	103-65-1	PROPYLBENZENE	UG_M3	0.32 U	0.32 U	0.32 U	0.6 U	0.29 U	0.3 U	0.31 U	0.3 U	0.32 U	0.32 U	0.3 U
TO-15	100-42-5	STYRENE	UG_M3	**0.13 J**	**0.14 J**	**0.094 J**	0.52 U	**0.3 J**	**0.1 J**	0.26 U	0.26 U	**0.095 J**	**0.36 J**	0.26 U
TO-15	109-99-9	TETRAHYDROFURAN	UG_M3	0.71 U	0.71 U	0.71 U	1.3 U	0.64 U	0.66 U	0.68 U	0.68 U	0.7 U	0.71 U	0.66 U
TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UG_M3	0.3 U	0.3 U	0.3 U	0.56 U	0.27 U	0.27 U	0.28 U	0.28 U	0.29 U	0.3 U	0.28 U
TO-15	75-69-4	TRICHLOROFLUOROMETHANE	UG_M3	**1.3**	**1.4**	**1.3**	**1.3 J**	**1.4**	**1.4**	**1.3**	**1.3**	**1.3**	**1.6**	**1.4**

Table E-1 Summa Canisters — All Results

		Sample Location:	TENTIASMB2	TENTIASMC1	TENTIASMC13	TENTIASMC13	TENTIASMC7	TENTIASMD1	TENTIASMD10	TENTIASMD11	TENTIASML1	TENTIASMS1	TENTIASMS3
		Sample Date:	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
		Sample Type:	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Method	**CAS No.**	**Analyte**	**Units**										
TO-15_SIM	71-55-6	1,1,1-TRICHLOROETHANE	UG_M3	**0.019 J**	**0.016 J**	**0.017 J**	**0.026 J**	**0.027 J**	**0.018 J**	**0.017 J**	**0.017 J**	**0.024 J**	**0.14 J**	**0.018 J**
TO-15_SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	UG_M3	0.045 U	0.045 U	0.045 U	0.084 U	0.041 U	0.041 U	0.043 U	0.042 U	0.044 U	0.045 U	0.042 U
TO-15_SIM	79-00-5	1,1,2-TRICHLOROETHANE	UG_M3	0.036 U	0.036 U	0.036 U	0.067 U	0.032 U	0.033 U	0.034 U	0.034 U	0.035 U	0.036 U	0.033 U
TO-15_SIM	75-34-3	1,1-DICHLOROETHANE	UG_M3	0.026 U	0.026 U	0.026 U	0.05 U	0.024 U	0.024 U	0.025 U	0.025 U	0.026 U	**0.019 J**	0.025 U
TO-15_SIM	75-35-4	1,1-DICHLOROETHENE	UG_M3	0.026 U	0.026 U	0.026 U	0.048 U	0.023 U	0.024 U	0.025 U	0.024 U	0.026 U	**0.085**	0.024 U
TO-15_SIM	106-93-4	1,2-DIBROMOETHANE	UG_M3	0.05 U	0.05 U	0.05 U	0.094 U	0.045 U	0.046 U	0.048 U	0.048 U	0.049 U	0.05 U	0.047 U
TO-15_SIM	76-14-2	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	UG_M3	**0.13 J**	**0.12 J**	**0.11 J**	**0.13 J**	**0.12 J**	**0.12 J**	**0.13 J**	**0.12 J**	**0.12 J**	**0.13 J**	**0.12 J**
TO-15_SIM	107-06-2	1,2-DICHLOROETHANE	UG_M3	0.026 U	**0.041 J**	**0.041 J**	**0.14 J**	**0.08 J**	**0.061 J**	**0.033 J**	0.025 U	**0.03 J**	**0.083 J**	**0.036 J**
TO-15_SIM	106-46-7	1,4-DICHLOROBENZENE	UG_M3	0.039 U	0.039 UJ	0.039 UJ	0.074 UJ	0.036 UJ	0.036 UJ	0.038 UJ	0.037 U	0.039 UJ	0.039 UJ	0.036 UJ
TO-15_SIM	71-43-2	BENZENE	UG_M3	**0.33**	**0.35**	**0.3**	**0.37 J**	**0.51**	**0.38**	**0.35**	**0.32**	**0.31**	**0.41**	**0.32**
TO-15_SIM	56-23-5	CARBON TETRACHLORIDE	UG_M3	**0.53 J**	**0.63 J**	**0.61 J**	**0.61 J**	**0.62 J**	**0.6 J**	**0.61 J**	**0.57 J**	**0.6 J**	**0.74 J**	**0.6 J**
TO-15_SIM	75-00-3	CHLOROETHANE	UG_M3	**0.05 J**	**0.049 J**	0.17 U	**0.075 J**	**0.054 J**	**0.05 J**	**0.04 J**	**0.041 J**	**0.035 J**	**0.12 J**	**0.033 J**
TO-15_SIM	67-66-3	CHLOROFORM	UG_M3	**0.086 J**	**0.076 J**	**0.074 J**	**0.081 J**	**0.12 J**	**0.093 J**	**0.081 J**	**0.085 J**	**0.098 J**	**1.5**	**0.54**
TO-15_SIM	74-87-3	CHLOROMETHANE	UG_M3	**1.6**	**1.5 J**	**1.5 J**	**1.7 J**	**1.7 J**	**1.6 J**	**1.6 J**	**1.5**	**1.5 J**	**2.4 J**	**1.6 J**
TO-15_SIM	156-59-2	CIS-1,2-DICHLOROETHENE	UG_M3	0.026 U	0.026 U	0.026 U	0.048 U	0.023 U	0.024 U	0.025 U	0.024 U	0.026 U	0.026 U	0.024 U
TO-15_SIM	75-71-8	DICHLORODIFLUOROMETHANE	UG_M3	**2.7**	**2.5**	**2.6**	**2.5**	**2.6**	**2.6**	**2.6**	**2.5**	**2.6**	**2.7**	**2.6**
TO-15_SIM	100-41-4	ETHYLBENZENE	UG_M3	**0.12 J**	**0.28**	**0.078 J**	**0.27**	**0.42**	**0.14**	**0.092 J**	**0.086 J**	**0.08 J**	**0.25**	**0.12 J**
TO-15_SIM	108-38-3/106-42	M- AND P-XYLENE	UG_M3	**0.37**	**0.89**	**0.2 J**	**0.44 J**	**1.3**	**0.37**	**0.25 J**	**0.23 J**	**0.21 J**	**0.76**	**0.35**
TO-15_SIM	1634-04-4	METHYL TERT-BUTYL ETHER	UG_M3	0.024 U	0.024 U	0.024 U	0.044 U	0.021 U	0.022 U	0.022 U	0.022 U	0.023 U	0.024 U	0.022 U
TO-15_SIM	95-47-6	O-XYLENE	UG_M3	**0.13 J**	**0.29**	**0.074 J**	**0.21 J**	**0.58**	**0.15**	**0.13 J**	**0.11 J**	**0.12 J**	**0.31**	**0.15**
TO-15_SIM	127-18-4	TETRACHLOROETHENE	UG_M3	**0.037 J**	**0.038 J**	0.044 U	**1.6**	**0.08 J**	**0.02 J**	0.042 U	**0.019 J**	0.044 U	**0.14 J**	0.041 U
TO-15_SIM	108-88-3	TOLUENE	UG_M3	**2.4**	**6.6**	**0.6 J**	**1 J**	**3.1**	**1.1**	**0.81**	**0.56**	**0.51**	**4.4**	**0.64**
TO-15_SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	UG_M3	0.026 U	0.026 U	0.026 U	0.048 U	0.023 U	0.024 U	0.025 U	0.024 U	0.026 U	0.026 U	0.024 U
TO-15_SIM	79-01-6	TRICHLOROETHENE	UG_M3	0.035 U	0.035 UJ	**0.089 J**	**0.24 J**	**0.28 J**	**0.017 J**	0.034 UJ	0.033 U	0.035 UJ	**0.85 J**	0.033 UJ
TO-15_SIM	75-01-4	VINYL CHLORIDE	UG_M3	0.017 U	0.017 U	0.017 U	0.031 U	0.015 U	0.015 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U

E-2
Drinking Water

Table E-2 Drinking Water — All Results																				
		Sample Location:	AV29DW1BR	AV29DW2BR	AV32DWMR	AV32DWPH3	AW34DW1BR	AW34DW2BR	CZDW10B	CZDW16A	CZDW23A	CZDW28B	CZDW35A	CZDW44A	CZDW47A	CZDW5A	CZDW5A	ELCDWPH	TENTDWL3	TENTDWS2
		Sample ID:	AV29DW1BR	AV29DW2BR	AV32DWMR	AV32DWPH3	AW34DW1BR	AW34DW2BR	CZDW10B	CZDW16A	CZDW23A	CZDW28B	CZDW35A	CZDW44A	CZDW47A	CZDW5A	CZDW5A(D)	ELCDWPH	TENTDWL3	TENTDWS2
		Sample Date:	10/13/2015	10/13/2015	10/11/2015	10/11/2015	10/13/2015	10/13/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/13/2015	10/12/2015	10/12/2015
		Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Method	**CAS No.**	**Analyte**	**Units**																	
200.7	7440-50-8	COPPER	UG_L	**38**	**4.8 J**	**2.5 J**	**24 J**	**46**	**6 J**	**4.4 J**	**3.6 J**	**7.3 J**	**10 J**	**47**	**49**	**12 J**	**17 J**	**22 J**	**4 J**	**9.9 J**	**22 J**
200.7	7439-92-1	LEAD	UG_L	3 U	3 U	**4.4**	**6.5**	**10**	**4.3**	**4.7**	3 U	**2.1 J**	3 U	**5.1**	**3.5**	**1.9 J**	**3.6**	**11**	**3.2**	**3.5**	**3.2**
524.2	75-27-4	BROMODICHLOROMETHANE	UG_L	**1.8**	**1.9**	**0.99**	**1.2**	**0.49 J**	**0.5**	**3.6**	**3.6**	**3.3**	**3.4**	**1.2**	**2.3**	**3**	**3.5**	**3.3**	**5.1**	**2.4**	**5.6**
524.2	75-25-2	BROMOFORM	UG_L	**40**	**42**	**35**	**43**	**23**	**26**	**53**	**53**	**49**	**39**	**46**	**35**	**36**	**52**	**53**	**57**	**46**	**51**
524.2	67-66-3	CHLOROFORM	UG_L	**0.45 J**	**0.42 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.85**	**0.95**	**0.83**	**0.9**	**0.4 J**	**0.55**	**0.8**	**0.85**	**0.82**	**1.6**	**0.76**	**2.8**
524.2	124-48-1	DIBROMOCHLOROMETHANE	UG_L	**7.8**	**8**	**4.7**	**6**	**2.7**	**2.8**	**13**	**14**	**13**	**10**	**6.5**	**7.7**	**9.6**	**13**	**13**	**17**	**10**	**14**
524.2	THM	Total THM	UG_L	**50**	**52**	**41**	**50**	**26**	**29**	**70**	**72**	**66**	**53**	**54**	**46**	**49**	**69**	**70**	**81**	**59**	**73**
552.2	631-64-1	DIBROMOACETIC ACID	UG_L	**11 J**	**8.2 J**	**7.6**	**11 J**	**4**	**5.3 J**	**14 J**	**12 J**	**11 J**	**9.3**	**14 J**	**13**	**13**	**14 J**	**16**	**7 J**	**1.8 J**	**13**
552.2	79-43-6	DICHLOROACETIC ACID	UG_L	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**1.1 J**	**1.1 J**	0.98 U	0.98 U	0.98 U	0.98 U	**1.2**	**1.2 J**	0.98 U	0.98 U	0.98 U	**2.8**
552.2	79-08-3	MONOBROMOACETIC ACID	UG_L	**1.7 J**	**1.5 J**	**1.4 J**	**1.8 J**	**0.89 J**	**1.1 J**	**2.7 J**	**1.9 J**	**1.8 J**	**2.6 J**	**2 J**	**4.3 J**	**3.1 J**	**2.5 J**	**2.5**	0.75 U	0.75 U	**1.8**
552.2	79-11-8	MONOCHLOROACETIC ACID	UG_L	0.98 UJ	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
552.2	HAA5	Total HAA5	UG_L	**13 J**	**9.7 J**	**9.1**	**13 J**	**4.9**	**6.3 J**	**18 J**	**15 J**	**13 J**	**12**	**16 J**	**17**	**17**	**18 J**	**18**	**7.8 J**	**1.8 J**	**18**
552.2	76-03-9	TRICHLOROACETIC ACID	UG_L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	**0.8 J**	0.38 U	**0.57 J**

E-3
Soil

Table E-3-1 Soil Results — Metals

		Sample Location:		A6	B5	B7	C4	C7	C8	C9	C9	D10	D3	D4	D5	D7	D8	D9	E2	E3	E4	E5	E6	F1	F1
		Sample ID:		AOPSA601	AOPSB501	AOPSB701	AOPSC401	AOPSC701	AOPSC801	AOPCC901	AOPSC901	AOPSD1001	AOPSD301	AOPSD401	AOPSD501	AOPSD701	AOPSD801	AOPSD901	AOPSE201	AOPSE301	AOPSE401	AOPSE501	AOPSE601	AOPCF101	AOPSF101
		Sample Date:		10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/10/2015	10/12/2015	10/10/2015	10/10/2015
		Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																						
6020A	7429-90-5	ALUMINUM	MG_KG	**24000**	**9400**	**17000**	**13000**	**11000**	**29000**	**8000**	**12000**	**5200**	**15000**	**17000**	**18000**	**11000**	**25000**	**7900**	**16000**	**13000**	**21000**	**11000**	**9800**	**12000**	**9800**
6020A	7440-36-0	ANTIMONY	MG_KG	**0.27 J**	**0.85 J**	**0.16 J**	**0.3 J**	0.81 U	**8.8**	0.76 U	0.74 U	0.86 U	0.67 U	0.7 UJ	**1.2 J**	0.79 U	1.4 U	0.91 UJ	0.79 U	**0.4 J**	**0.14 J**	0.63 U	**1.2 J**	1.4 U	1.1 U
6020A	7440-38-2	ARSENIC	MG_KG	**3.6 J**	**1.8 J**	0.69 U	0.79 U	0.81 U	1.3 U	0.76 U	0.74 U	0.86 U	0.67 U	0.7 U	0.99 U	0.79 U	1.4 U	0.91 U	0.79 U	0.75 U	**3 J**	0.63 U	**2.9 J**	1.4 U	1.1 U
6020A	7440-39-3	BARIUM	MG_KG	**87**	**53**	**91**	**22**	**26**	**52**	**38**	**50**	**850**	**26**	**25 J**	**53**	**42**	**72**	**1200 J**	**40**	**42**	**70**	**190**	**53**	**67**	**52**
6020A	7440-41-7	BERYLLIUM	MG_KG	**0.4 J**	**0.23 J**	**0.29 J**	**0.21 J**	0.54 U	**0.37 J**	0.5 U	0.5 U	0.57 U	0.45 U	0.47 U	**0.28 J**	0.53 U	0.93 U	0.6 U	0.53 U	**0.24 J**	**0.5 J**	0.42 U	**0.17 J**	0.92 U	0.75 U
6020A	7440-43-9	CADMIUM	MG_KG	0.056 U	0.045 U	**0.28 J**	**0.53 J**	0.054 U	**2.2 J**	**2**	**3.7**	0.057 U	0.045 U	0.047 U	**0.8 J**	0.053 U	0.093 U	0.06 U	**2.2**	**0.24 J**	0.059 U	0.042 U	0.044 U	0.092 U	0.075 U
6020A	7440-70-2	CALCIUM	MG_KG	**82000**	**96000**	**59000**	**40000**	**49000**	**47000**	**60000**	**91000**	**82000**	**26000**	**38000**	**110000**	**70000**	**47000**	**130000**	**36000**	**26000**	**62000**	**91000**	**120000**	**370000**	**320000**
6020A	7440-47-3	CHROMIUM, TOTAL	MG_KG	**180**	**220**	**140**	**120**	**170**	**380**	**130**	**150**	**95**	**260**	**210**	**230**	**170**	**320**	**140**	**220**	**99**	**110**	**97**	**100**	**170**	**180**
6020A	7440-48-4	COBALT	MG_KG	**30**	**20**	**23**	**19**	**22**	**58**	**15**	**22**	**11**	**31**	**27**	**34**	**17**	**58**	**16**	**31**	**16**	**20**	**13**	**12**	**19**	**16**
6020A	7440-50-8	COPPER	MG_KG	**55**	**28**	**41**	**42**	**31**	**95**	**37**	**54**	**32**	**31**	**44**	**43**	**34**	**56**	**28**	**62**	**34**	**46**	**53**	**32**	**34**	**29**
6020A	7439-89-6	IRON	MG_KG	**42000**	**20000**	**31000**	**22000**	**22000**	**51000**	**15000**	**22000**	**12000**	**31000**	**31000**	**33000**	**23000**	**45000**	**17000**	**31000**	**23000**	**33000**	**21000**	**21000**	**23000**	**21000**
6020A	7439-92-1	LEAD	MG_KG	**25**	**240**	**27**	**44**	**35**	**140**	**72**	**120**	**150**	**33**	**9.9**	**60**	**41**	**100**	**110**	**40**	**11**	**3.7**	**40**	**24**	**130**	**110**
6020A	7439-95-4	MAGNESIUM	MG_KG	**38000**	**45000**	**33000**	**35000**	**38000**	**110000**	**27000**	**36000**	**25000**	**83000**	**58000**	**68000**	**24000**	**130000**	**36000 J**	**61000**	**25000**	**28000**	**27000**	**31000**	**44000**	**43000**
6020A	7439-96-5	MANGANESE	MG_KG	**680**	**320**	**540**	**460**	**390**	**1100**	**310**	**460**	**260**	**520**	**540**	**620**	**400**	**930**	**340**	**520**	**420**	**430**	**430**	**390**	**410**	**370**
6020A	7440-02-0	NICKEL	MG_KG	**350**	**420**	**310**	**320**	**390**	**1100**	**270**	**360**	**190**	**660**	**470**	**650**	**310**	**1100**	**290**	**530**	**200**	**190**	**170**	**190**	**340**	**320**
6020A	7440-09-7	POTASSIUM	MG_KG	**1600**	**750 J**	**1100**	**610 J**	**830 J**	**1400 J**	**620 J**	**910 J**	**360 J**	**1100**	**870 J**	**1200 J**	**880 J**	**940 J**	**610 J**	**1000 J**	**920 J**	**1700**	**580 J**	**430 J**	**790 J**	**610 J**
6020A	7782-49-2	SELENIUM	MG_KG	**0.75 J**	**0.68 J**	**0.44 J**	**0.58 J**	0.32 U	**0.82 J**	0.3 U	0.3 U	0.34 U	0.27 U	0.28 U	**0.5 J**	0.32 U	0.56 U	0.36 U	0.32 U	**0.56 J**	**0.69 J**	0.25 U	**0.4 J**	0.55 U	0.45 U
6020A	7440-22-4	SILVER	MG_KG	**0.081 J**	**0.13 J**	**0.087 J**	**0.06 J**	0.27 U	**0.13 J**	0.25 U	0.25 U	0.29 U	0.22 U	0.23 U	**0.13 J**	0.26 U	0.47 U	0.3 U	0.26 U	**0.044 J**	**0.039 J**	0.21 U	**0.032 J**	0.46 U	0.38 U
6020A	7440-23-5	SODIUM	MG_KG	**1500**	**500 J**	**500 J**	**110 J**	**220 J**	**260 J**	**280 J**	**400 J**	**200 J**	**130 J**	**160 J**	**580 J**	**240 J**	**270 J**	**270 J**	**170 J**	**120 J**	**240 J**	**330 J**	**410 J**	**1400 J**	**1200 J**
6020A	7440-28-0	THALLIUM	MG_KG	0.83 U	**0.14 J**	0.69 U	0.79 U	0.81 U	1.3 U	0.76 U	0.74 U	0.86 U	0.67 U	0.7 U	0.99 U	0.79 U	1.4 U	0.91 U	0.79 U	0.75 U	**0.12 J**	0.63 U	0.66 U	1.4 U	1.1 U
6020A	7440-62-2	VANADIUM	MG_KG	**110**	**81**	**76**	**49**	**43**	**100**	**33**	**49**	**37**	**60**	**72**	**70**	**50**	**85**	**39**	**63**	**51**	**110**	**56**	**47**	**73**	**60**
6020A	7440-66-6	ZINC	MG_KG	**98**	**150**	**75**	**68**	**77**	**290**	**130**	**200**	**410**	**77**	**58**	**130**	**55**	**240**	**440**	**110**	**77**	**56**	**180**	**160**	**110**	**100**
7471B	7439-97-6	MERCURY	MG_KG	**0.033 J**	**0.025 J**	**0.061 J**	**0.024 J**	**0.027 J**	**0.067 J**	0.039 U	**0.031 J**	**0.022 J**	**0.02 J**	0.032 U	**0.026 J**	0.043 U	**0.037 J**	0.046 U	**0.021 J**	0.032 U	**0.018 J**	**0.016 J**	0.029 U	0.072 U	0.06 U

Table E-3-1 Soil Results — Metals

		Sample Location:	F10	F2	F5	F7	G10	G6	G7	G8	G9	H3	H4	H5	H5	J10	J2	K1	K10	K10	K2	K3	K5	K9
		Sample ID:	AOPSF1001	AOPSF201	AOPSF501	AOPSF701	AOPSG1001	AOPSG601	AOPSG701	AOPSG801	AOPSG901	AOPSH301	AOPSH401	AOPCH501	AOPSH501	AOPSJ1001	AOPSJ201	AOPSK101	AOPCK1001	AOPSK1001	AOPSK201	AOPSK301	AOPSK501	AOPSK901
		Sample Date:	10/11/2015	10/10/2015	10/12/2015	10/12/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal
		Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																					
6020A	7429-90-5	ALUMINUM	MG_KG	**17000**	**8000**	**9100**	**13000**	**13000**	**9800**	**14000**	**12000**	**7100**	**13000**	**19000**	**12000**	**13000**	**11000**	**16000**	**17000**	**9800**	**9200**	**16000**	**16000**	**19000**	**16000**
6020A	7440-36-0	ANTIMONY	MG_KG	1.3 U	0.72 U	**1.3 J**	**0.17 J**	0.67 U	0.58 U	0.68 U	0.82 U	0.8 U	**0.14 J**	**0.14 J**	**0.68 J**	**0.71 J**	**1.8**	**0.42 J**	**0.6 J**	**1.6 J**	**1.3 J**	**0.14 J**	**0.28 J**	**0.27 J**	**0.15 J**
6020A	7440-38-2	ARSENIC	MG_KG	1.3 U	0.72 U	**3.2 J**	**2.7 J**	0.67 U	0.58 U	0.68 U	0.82 U	0.8 U	**1.2 J**	0.75 U	**4.6 J**	**4.8 J**	**25**	**2 J**	**1.7 J**	**2.6 J**	**2.6 J**	**2.7 J**	**5.5**	**3.1 J**	**7.1**
6020A	7440-39-3	BARIUM	MG_KG	**64**	**150**	**250**	**63**	**21**	**62**	**35**	**37**	**14**	**96**	**27**	**38**	**39**	**29**	**28**	**27**	**35 J**	**87 J**	**31**	**56**	**50**	**35**
6020A	7440-41-7	BERYLLIUM	MG_KG	0.89 U	0.48 U	**0.15 J**	**0.2 J**	0.45 U	0.39 U	0.45 U	0.55 U	0.53 U	**0.2 J**	**0.18 J**	**0.22 J**	**0.22 J**	**0.61 J**	**0.23 J**	**0.29 J**	**0.17 J**	**0.16 J**	**0.22 J**	**0.27 J**	**0.36 J**	**0.29 J**
6020A	7440-43-9	CADMIUM	MG_KG	**3.6**	0.048 U	0.043 U	0.039 U	**9.5**	0.039 U	0.045 U	0.055 U	0.053 U	0.043 U	**0.45 J**	**2.4**	**2.5**	**2**	0.057 U	0.043 U	**2.4**	**2.6**	**0.17 J**	**0.27 J**	**0.37 J**	0.066 U
6020A	7440-70-2	CALCIUM	MG_KG	**71000**	**110000**	**120000**	**48000**	**63000**	**70000**	**85000**	**96000**	**31000**	**11000**	**18000**	**140000**	**140000**	**120000**	**57000**	**53000**	**150000**	**150000**	**86000**	**55000**	**85000**	**120000**
6020A	7440-47-3	CHROMIUM, TOTAL	MG_KG	**330**	**130**	**110**	**63**	**240**	**170**	**270**	**280**	**110**	**430**	**500**	**170**	**170**	**170**	**350**	**270**	**180**	**190**	**320**	**250**	**310**	**240**
6020A	7440-48-4	COBALT	MG_KG	**42**	**17**	**14**	**12**	**30**	**16**	**28**	**27**	**14**	**53**	**62**	**19**	**20**	**18**	**35**	**30**	**18**	**18**	**28**	**27**	**30**	**26**
6020A	7440-50-8	COPPER	MG_KG	**59**	**37**	**33**	**42**	**45**	**33**	**33**	**30**	**20**	**26**	**39**	**67**	**70**	**34**	**36**	**38**	**33**	**31**	**27**	**42**	**34**	**28**
6020A	7439-89-6	IRON	MG_KG	**36000**	**21000**	**20000**	**24000**	**28000**	**27000**	**28000**	**26000**	**15000**	**36000**	**43000**	**22000**	**24000**	**21000**	**35000**	**34000**	**22000**	**22000**	**33000**	**34000**	**37000**	**28000**
6020A	7439-92-1	LEAD	MG_KG	**220**	**120**	**21**	**5.2**	**260**	**27**	**97**	**130**	**130**	**11**	**34**	**230**	**240**	**240**	**48**	**110**	**190**	**260**	**75**	**18**	**36**	**29**
6020A	7439-95-4	MAGNESIUM	MG_KG	**65000**	**27000**	**34000**	**17000**	**67000**	**34000**	**38000**	**42000**	**25000**	**85000**	**85000**	**34000**	**31000**	**29000**	**73000**	**53000**	**34000**	**31000**	**46000**	**43000**	**29000**	**38000**
6020A	7439-96-5	MANGANESE	MG_KG	**720**	**350**	**390**	**540**	**510**	**1300**	**550**	**450**	**310**	**510**	**680**	**420**	**430**	**470**	**540**	**550**	**360**	**350**	**480**	**570**	**650**	**480**
6020A	7440-02-0	NICKEL	MG_KG	**740**	**240**	**230**	**83**	**550**	**280**	**550**	**560**	**270**	**1100**	**1200**	**340**	**350**	**290**	**780**	**570**	**380**	**380**	**640**	**490**	**540**	**480**
6020A	7440-09-7	POTASSIUM	MG_KG	**2300**	**470 J**	**410 J**	**500 J**	**1100**	**500 J**	**1200**	**1200**	**630 J**	**1000**	**1300**	**1100**	**1300**	**790 J**	**1300**	**1200**	**630 J**	**670 J**	**860 J**	**970 J**	**1800**	**1700**
6020A	7782-49-2	SELENIUM	MG_KG	0.54 U	0.29 U	**0.28 J**	**0.39 J**	0.27 U	0.23 U	0.27 U	0.33 U	0.32 U	**0.5 J**	**0.4 J**	**0.5 J**	**0.5 J**	**0.41 J**	**0.54 J**	**0.67 J**	**0.32 J**	**0.31 J**	**0.61 J**	**0.53 J**	**0.91 J**	**0.51 J**
6020A	7440-22-4	SILVER	MG_KG	0.45 U	0.24 U	**0.046 J**	**0.039 J**	0.22 U	0.19 U	0.23 U	0.27 U	0.27 U	**0.031 J**	**0.04 J**	**0.86 J**	**0.91 J**	**0.21 J**	**0.057 J**	**0.15 J**	**0.32 J**	**0.39 J**	**0.028 J**	**0.081 J**	**0.038 J**	**0.043 J**
6020A	7440-23-5	SODIUM	MG_KG	**260 J**	**240 J**	**400 J**	**250 J**	**300 J**	**320 J**	**370 J**	**290 J**	**150 J**	**69 J**	**89 J**	**610 J**	**630 J**	**840 J**	**300 J**	**310 J**	**680 J**	**550 J**	**280 J**	**250 J**	**500 J**	**520 J**
6020A	7440-28-0	THALLIUM	MG_KG	1.3 U	0.72 U	0.64 U	0.58 U	0.67 U	0.58 U	0.68 U	0.82 U	0.8 U	0.64 U	0.75 U	0.72 U	0.77 U	**0.19 J**	0.86 U	**0.25 J**	0.68 U	0.65 U	0.73 U	**0.1 J**	1.1 U	0.99 U
6020A	7440-62-2	VANADIUM	MG_KG	**61**	**45**	**47**	**58**	**61**	**66**	**59**	**50**	**33**	**49**	**67**	**59**	**64**	**51**	**66**	**83**	**54**	**55**	**72**	**68**	**91**	**60**
6020A	7440-66-6	ZINC	MG_KG	**210**	**210**	**220**	**60**	**76**	**130**	**120**	**140**	**75**	**69**	**61**	**300**	**310**	**380**	**66**	**110**	**140**	**180**	**38 J**	**65**	**69**	**48 J**
7471B	7439-97-6	MERCURY	MG_KG	**0.057 J**	**0.037 J**	0.032 U	0.033 U	**0.026 J**	0.036 U	**0.033 J**	**0.035 J**	**0.037 J**	**0.018 J**	**0.025 J**	**0.043 J**	**0.042 J**	**0.015 J**	**0.035 J**	**0.026 J**	**0.062 J**	**0.063 J**	**0.025 J**	0.038 U	0.047 U	0.048 U

Table E-3-1 Soil Results — Metals

		Sample Location:	L10	L2	L3	L3	L4	L5	L6	L7	L8	L9	M10	M2	M3	M4	M5	M6	M7	M8	M8	M9	N3	N4
		Sample ID:	AOPSL1001	AOPSL201	AOPCL301	AOPSL301	AOPSL401	AOPSL501	AOPSL601	AOPSL701	AOPSL801	AOPSL901	AOPSM1001	AOPSM201	AOPSM301	AOPSM401	AOPSM501	AOPSM601	AOPSM701	AOPCM801	AOPSM801	AOPSM901	AOPSN301	AOPSN401
		Sample Date:	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal
		Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																					
6020A	7429-90-5	ALUMINUM	MG_KG	**16000**	**22000**	**20000**	**20000**	**22000**	**21000**	**19000**	**22000**	**27000**	**27000**	**22000**	**16000**	**15000**	**19000**	**9800**	**14000**	**14000**	**12000**	**13000**	**13000**	**9800**	**26000**
6020A	7440-36-0	ANTIMONY	MG_KG	**0.13 J**	**0.31 J**	**0.2 J**	**0.18 J**	**0.39 J**	**0.55 J**	**0.36 J**	**0.2 J**	**0.25 J**	**0.25 J**	**0.23 J**	**1 J**	**0.32 J**	**0.26 J**	**0.21 J**	**0.21 J**	**0.46 J**	**0.24 J**	**0.29 J**	**0.88 J**	**1 J**	**0.67 J**
6020A	7440-38-2	ARSENIC	MG_KG	0.82 U	**1.8 J**	**1.6 J**	**1.7 J**	**2.4 J**	**3.9 J**	**2.7 J**	**2.4 J**	**2.7 J**	**3.3 J**	0.7 U	0.71 U	0.71 U	**1.8 J**	0.62 U	**5.5**	0.88 U	0.9 U	0.76 U	0.73 U	**1.3 J**	**4 J**
6020A	7440-39-3	BARIUM	MG_KG	**28**	**40**	**37**	**39**	**40**	**59**	**120**	**34**	**46**	**36**	**43**	**63**	**15**	**47**	**14**	**21**	**40**	**30**	**31**	**24**	**9.3**	**95**
6020A	7440-41-7	BERYLLIUM	MG_KG	**0.24 J**	**0.31 J**	**0.3 J**	**0.29 J**	**0.29 J**	**1**	**0.28 J**	**0.3 J**	**0.43 J**	**0.37 J**	**0.39 J**	**0.31 J**	**0.17 J**	**0.23 J**	**0.11 J**	**0.23 J**	**0.22 J**	**0.2 J**	**0.24 J**	**0.16 J**	**0.14 J**	**0.35 J**
6020A	7440-43-9	CADMIUM	MG_KG	**0.29 J**	0.048 U	**0.24 J**	**0.24 J**	**0.32 J**	**1.1 J**	**0.52 J**	**0.28 J**	0.055 U	0.048 U	**0.28 J**	**0.9 J**	**0.26 J**	0.057 U	**0.13 J**	**0.23 J**	**0.39 J**	**0.32 J**	**0.36 J**	**0.5 J**	0.053 U	0.052 U
6020A	7440-70-2	CALCIUM	MG_KG	**15000**	**24000**	**16000**	**17000**	**13000**	**35000**	**33000**	**15000**	**11000**	**11000**	**29000**	**73000**	**16000**	**22000**	**13000**	**94000**	**28000**	**35000**	**44000**	**15000**	**75000**	**12000**
6020A	7440-47-3	CHROMIUM, TOTAL	MG_KG	**440**	**270**	**350**	**360**	**500**	**560**	**480**	**660**	**560**	**690**	**230**	**130**	**280**	**470**	**390**	**410**	**490**	**380**	**390**	**290**	**340**	**850**
6020A	7440-48-4	COBALT	MG_KG	**46**	**36**	**39**	**42**	**53**	**30**	**48**	**66**	**76**	**75**	**32**	**23**	**33**	**54**	**47**	**39**	**46**	**40**	**39**	**35**	**41**	**97**
6020A	7440-50-8	COPPER	MG_KG	**36**	**37**	**35**	**37**	**41**	**54**	**49**	**42**	**40**	**43**	**54**	**90**	**40**	**40**	**21**	**30**	**42**	**35**	**35**	**43**	**27**	**72**
6020A	7439-89-6	IRON	MG_KG	**40000**	**38000**	**39000**	**41000**	**51000**	**37000**	**48000**	**56000**	**64000**	**65000**	**41000**	**29000**	**32000**	**43000**	**29000**	**35000**	**38000**	**33000**	**35000**	**32000**	**29000**	**74000**
6020A	7439-92-1	LEAD	MG_KG	**37**	**21**	**21**	**21**	**35**	**44**	**170**	**28**	**16**	**16**	**50**	**190**	**51**	**130**	**18**	**25**	**250**	**76**	**73**	**53**	**200**	**210**
6020A	7439-95-4	MAGNESIUM	MG_KG	**48000**	**59000**	**66000**	**68000**	**40000**	**29000**	**40000**	**32000**	**14000**	**17000**	**24000**	**27000**	**42000**	**77000**	**73000**	**39000**	**53000**	**38000**	**38000**	**60000**	**100000**	**48000**
6020A	7439-96-5	MANGANESE	MG_KG	**700**	**640**	**630**	**670**	**830**	**730**	**690**	**820**	**1200**	**1000**	**740**	**720**	**490**	**700**	**480**	**540**	**580**	**570**	**570**	**540**	**450**	**1200**
6020A	7440-02-0	NICKEL	MG_KG	**1000**	**640**	**780**	**830**	**1100**	**510**	**1000**	**1300**	**1100**	**1300**	**480**	**320**	**590**	**1100**	**990**	**800**	**1100**	**870**	**860**	**730**	**930**	**1500**
6020A	7440-09-7	POTASSIUM	MG_KG	**1500**	**2000**	**1900**	**2000**	**1800**	**3000**	**1500**	**1500**	**1200**	**2200**	**960**	**1500**	**1100**	**1500**	**660 J**	**1200**	**870 J**	**1300**	**1400**	**720 J**	**530 J**	**2800**
6020A	7782-49-2	SELENIUM	MG_KG	**0.42 J**	**0.75 J**	**0.63 J**	**0.65 J**	**0.9 J**	**1.6 J**	**0.73 J**	**0.69 J**	**0.81 J**	**0.96 J**	**0.49 J**	**0.56 J**	**0.29 J**	**0.58 J**	**0.27 J**	**0.48 J**	**0.43 J**	**0.43 J**	**0.43 J**	**0.28 J**	**0.28 J**	**0.94 J**
6020A	7440-22-4	SILVER	MG_KG	**0.17 J**	**0.093 J**	**0.062 J**	**0.056 J**	**0.049 J**	**0.62 J**	**0.07 J**	**0.059 J**	**0.067 J**	**0.068 J**	**0.18 J**	**0.15 J**	**0.044 J**	**0.04 J**	**0.017 J**	**0.053 J**	**0.29 J**	**0.34 J**	**0.4 J**	**2.6**	**0.03 J**	**0.12 J**
6020A	7440-23-5	SODIUM	MG_KG	**110 J**	**180 J**	**140 J**	**140 J**	**89 J**	**300 J**	**160 J**	**110 J**	**95 J**	**76 J**	**380 J**	**170 J**	**100 J**	**100 J**	**60 J**	**290 J**	**75 J**	**150 J**	**180 J**	**86 J**	**110 J**	**110 J**
6020A	7440-28-0	THALLIUM	MG_KG	0.82 U	0.72 U	0.69 U	0.77 U	0.84 U	**0.91 J**	0.81 U	0.8 U	0.82 U	0.73 U	0.7 U	0.71 U	0.71 U	0.85 U	0.62 U	0.67 U	0.88 U	0.9 U	0.76 U	0.73 U	0.79 U	0.78 U
6020A	7440-62-2	VANADIUM	MG_KG	**75**	**89**	**91**	**97**	**120**	**100**	**110**	**99**	**130**	**110**	**100**	**94**	**86**	**74**	**50**	**78**	**70**	**70**	**79**	**53**	**46**	**110**
6020A	7440-66-6	ZINC	MG_KG	**84**	**60**	**63**	**65**	**72**	**350**	**130**	**60**	**52**	**49**	**96**	**280**	**77**	**140**	**43**	**73**	**170**	**160**	**160**	**260**	**100**	**320**
7471B	7439-97-6	MERCURY	MG_KG	**0.31**	**0.029 J**	**0.041 J**	**0.035 J**	**0.061 J**	**0.028 J**	**0.052 J**	**0.058 J**	**0.056 J**	**0.06 J**	**0.14**	**0.053 J**	**0.02 J**	**0.035 J**	**0.021 J**	**0.39**	**0.2**	**0.8 J**	**0.43 J**	**4**	**0.024 J**	**2.3**

Table E-3-2 Soil Results — GRO-DRO

			Sample Location:	A6	B5	B7	C4	C7	C8	C9	C9	D10	D3
			Sample ID:	AOPSA601	AOPSB501	AOPSB701	AOPSC401	AOPSC701	AOPSC801	AOPCC901	AOPSC901	AOPSD1001	AOPSD301
			Sample Date:	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**										
8015C_D	94114-58-6	JET FUEL	MG_KG	430 U	350 U	180 U	380 U	380 U	760 U	390 U	390 U	400 U	360 U
8015C_D	8008-20-6	JET FUEL JP-5	MG_KG	220 U	170 U	90 U	190 U	190 U	380 U	200 U	190 U	200 U	180 U
8015C_D	-259	TPH-C10-28	MG_KG	200 U	**130 J**	82 U	170 U	170 U	**320 J**	180 U	180 U	**300**	160 U
8015C_D	-3528	TPH-OIL RANGE	MG_KG	1300 U	1000 U	550 U	1200 U	1100 U	2300 U	1200 U	1200 U	1200 U	1100 U
8015C_G	-3534	TPH-GASOLINE RANGE C6-C10	MG_KG	1.6 U	1.2 U	1.3 U	**0.12 J**	1.3 U	2.6 U	1.4 U	1.4 U	1.4 U	0.26 U

			Sample Location:	D4	D5	D7	D8	D9	E2	E3	E4	E5	E6
			Sample ID:	AOPSD401	AOPSD501	AOPSD701	AOPSD801	AOPSD901	AOPSE201	AOPSE301	AOPSE401	AOPSE501	AOPSE601
			Sample Date:	10/10/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/10/2015	10/12/2015
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**										
8015C_D	94114-58-6	JET FUEL	MG_KG	370 U	510 U	360 U	630 U	510 U	420 U	370 U	200 U	350 U	340 U
8015C_D	8008-20-6	JET FUEL JP-5	MG_KG	190 U	260 U	180 U	310 U	250 U	210 U	180 U	99 U	180 U	170 U
8015C_D	-259	TPH-C10-28	MG_KG	170 U	**200 J**	160 U	280 U	230 U	190 U	170 U	90 U	160 U	150 U
8015C_D	-3528	TPH-OIL RANGE	MG_KG	1100 U	1600 U	1100 U	1900 U	1500 U	1300 U	1100 U	600 U	1100 U	1000 U
8015C_G	-3534	TPH-GASOLINE RANGE C6-C10	MG_KG	0.27 U	0.37 U	1.2 U	1.6 U	1.7 U	0.3 U	0.26 U	1.3 U	0.25 U	1.1 U

Table E-3-2 Soil Results — GRO-DRO

			Sample Location:	F1	F1	F10	F2	F5	F7	G10	G6	G7	G8
			Sample ID:	AOPCF101	AOPSF101	AOPSF1001	AOPSF201	AOPSF501	AOPSF701	AOPSG1001	AOPSG601	AOPSG701	AOPSG801
			Sample Date:	10/10/2015	10/10/2015	10/11/2015	10/10/2015	10/12/2015	10/12/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
			Sample Type:	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**										
8015C_D	94114-58-6	JET FUEL	MG_KG	660 U	590 U	710 U	360 U	330 U	350 U	360 U	340 U	360 U	400 U
8015C_D	8008-20-6	JET FUEL JP-5	MG_KG	330 U	290 U	360 U	180 U	170 U	180 U	180 U	170 U	180 U	200 U
8015C_D	-259	TPH-C10-28	MG_KG	300 U	270 U	**360**	160 UJ	150 U	160 U	160 U	**130 J**	**130 J**	180 U
8015C_D	-3528	TPH-OIL RANGE	MG_KG	2000 U	1800 U	2200 U	1100 U	1000 U	1100 U	1100 U	1000 U	1100 U	1200 U
8015C_G	-3534	TPH-GASOLINE RANGE C6-C10	MG_KG	**0.18 J**	**0.21 J**	2.6 U	**0.12 J**	1.1 U	1.2 U	1.3 U	1.3 U	1.2 U	1.5 U

			Sample Location:	G9	H3	H4	H5	H5	J10	J2	K1	K10	K10
			Sample ID:	AOPSG901	AOPSH301	AOPSH401	AOPCH501	AOPSH501	AOPSJ1001	AOPSJ201	AOPSK101	AOPCK1001	AOPSK1001
			Sample Date:	10/11/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
			Sample Type:	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Duplicate	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**										
8015C_D	94114-58-6	JET FUEL	MG_KG	390 U	190 U	200 U	390 U	400 U	330 U	190 U	360 U	340 U	340 U
8015C_D	8008-20-6	JET FUEL JP-5	MG_KG	190 U	95 U	100 U	200 U	200 U	160 UJ	96 U	180 U	170 UJ	170 UJ
8015C_D	-259	TPH-C10-28	MG_KG	180 U	87 UJ	91 U	180 U	180 U	150 U	87 U	160 U	160 U	150 U
8015C_D	-3528	TPH-OIL RANGE	MG_KG	1200 U	580 U	600 U	1200 U	1200 U	990 U	580 U	1100 U	1000 U	1000 U
8015C_G	-3534	TPH-GASOLINE RANGE C6-C10	MG_KG	1.4 U	**0.58 J**	1.3 U	1.3 U	1.4 U	1 U	1.2 U	1.3 U	1.2 U	1.2 U

Table E-3-2 Soil Results — GRO-DRO

			Sample Location:	K2	K3	K5	K9	L10	L2	L3	L3	L4	L5
			Sample ID:	AOPSK201	AOPSK301	AOPSK501	AOPSK901	AOPSL1001	AOPSL201	AOPCL301	AOPSL301	AOPSL401	AOPSL501
			Sample Date:	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**										
8015C_D	94114-58-6	JET FUEL	MG_KG	180 U	350 U	530 U	240 U	190 U	180 U	180 U	180 U	200 U	190 U
8015C_D	8008-20-6	JET FUEL JP-5	MG_KG	90 U	180 U	260 U	120 U	95 U	91 U	90 U	90 U	100 U	97 U
8015C_D	-259	TPH-C10-28	MG_KG	82 U	160 U	240 U	110 U	86 U	83 U	82 U	82 U	91 U	88 U
8015C_D	-3528	TPH-OIL RANGE	MG_KG	550 U	1100 U	1600 U	730 U	580 U	550 U	540 U	550 U	610 U	590 U
8015C_G	-3534	TPH-GASOLINE RANGE C6-C10	MG_KG	1.1 U	1.3 U	1.6 U	1.8 U	1.3 U	1.4 U	1.2 UJ	1.3 UJ	1.2 UJ	1.2 UJ

			Sample Location:	L6	L7	L8	L9	M10	M2	M3	M4	M5	M6
			Sample ID:	AOPSL601	AOPSL701	AOPSL801	AOPSL901	AOPSM1001	AOPSM201	AOPSM301	AOPSM401	AOPSM501	AOPSM601
			Sample Date:	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**										
8015C_D	94114-58-6	JET FUEL	MG_KG	200 U	210 U	200 U	190 U	190 U	380 U	370 U	200 U	190 U	370 U
8015C_D	8008-20-6	JET FUEL JP-5	MG_KG	100 UJ	100 U	100 UJ	93 UJ	94 UJ	190 U	190 U	99 U	96 U	180 U
8015C_D	-259	TPH-C10-28	MG_KG	93 U	94 U	90 U	84 U	**61 J**	**180 J**	170 U	90 U	88 U	170 U
8015C_D	-3528	TPH-OIL RANGE	MG_KG	620 U	620 U	600 U	560 U	570 U	1200 U	1100 U	600 U	580 U	1100 U
8015C_G	-3534	TPH-GASOLINE RANGE C6-C10	MG_KG	1.5 UJ	1.4 UJ	1.4 U	1.3 U	1.2 U	1.2 U	1.3 U	1.4 U	1.3 U	1.2 U

Table E-3-2 Soil Results — GRO-DRO

			Sample Location:	M7	M8	M8	M9	N3	N4
			Sample ID:	AOPSM701	AOPCM801	AOPSM801	AOPSM901	AOPSN301	AOPSN401
			Sample Date:	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
			Sample Type:	Normal	Duplicate	Normal	Normal	Normal	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**						
8015C_D	94114-58-6	JET FUEL	MG_KG	400 U	410 U	410 U	190 U	190 U	450 U
8015C_D	8008-20-6	JET FUEL JP-5	MG_KG	200 UJ	210 UJ	210 UJ	96 U	95 U	220 U
8015C_D	-259	TPH-C10-28	MG_KG	180 U	190 U	190 U	87 U	86 U	200 U
8015C_D	-3528	TPH-OIL RANGE	MG_KG	1200 U	1300 U	1300 U	580 U	570 U	1400 U
8015C_G	-3534	TPH-GASOLINE RANGE C6-C10	MG_KG	1.5 U	1.4 U	1.4 U	1.3 U	1.2 U	1.5 U

Table E-3-3 Soil Results — SVOCs

Sample Location:				A6	B5	B7	C4	C7	C8	C9	C9	D10	D3	D4	D5	D7	D8	D9	E2	E3	E4	E5	E6	F1	F1	F10	F2	F5	F7	G10	G6	G7	G8	G9	H3	H4	H5	H5
Sample ID:				AOPSA601	AOPSB501	AOPSB701	AOPSC401	AOPSC701	AOPSC801	AOPCC901	AOPSC901	AOPSD1001	AOPSD301	AOPSD401	AOPSD501	AOPSD701	AOPSD801	AOPSD901	AOPSE201	AOPSE301	AOPSE401	AOPSE501	AOPSE601	AOPCF101	AOPSF101	AOPSF1001	AOPSF201	AOPSF501	AOPSF701	AOPSG1001	AOPSG601	AOPSG701	AOPSG801	AOPSG901	AOPSH301	AOPSH401	AOPCH501	AOPSH501
Sample Date:				10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/10/2015	10/12/2015	10/10/2015	10/10/2015	10/11/2015	10/10/2015	10/12/2015	10/12/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
Sample Type:				Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																																			
8270D	92-52-4	1,1-BIPHENYL	MG_KG	11 U	8.4 UJ	8.7 U	9.9 U	9.8 U	20 U	10 U	9.9 U	10 U	9.2 U	9.6 U	13 U	9.2 U	16 U	12 U	11 UJ	9.4 U	10 U	9.1 U	8.4 U	17 U	15 U	18 UJ	9.2 U	8.3 U	8.6 U	9.2 U	8.8 U	9.2 U	10 U	10 U	9.9 UJ	9.9 U	9.5 UJ	9.5 UJ
8270D	95-94-3	1,2,4,5-TETRACHLOROBENZENE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	123-91-1	1,4-DIOXANE	MG_KG	2.1 U	1.6 UJ	1.7 U	1.9 U	1.9 U	3.8 U	2 U	1.9 U	2 U	1.8 U	1.9 U	2.6 U	1.8 U	3.1 U	2.4 U	2.1 U	1.8 U	2 U	1.8 U	1.6 UJ	3.3 U	2.9 U	3.6 UJ	1.8 U	1.6 UJ	1.7 UJ	1.8 U	1.7 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	1.8 UJ	1.8 UJ
8270D	90-12-0	1-METHYLNAPHTHALENE	MG_KG	0.11 U	0.089 U	0.093 U	0.19 U	0.19 U	0.38 U	0.1 U	0.098 U	0.2 U	0.18 U	0.19 U	0.26 U	0.18 U	0.31 U	0.13 U	0.21 U	0.18 U	0.1 U	0.18 U	0.016 U	0.33 U	0.29 U	0.35 U	0.18 U	0.017 U	0.017 U	0.18 U	0.17 U	0.18 U	0.1 U	0.19 U	0.019 U	0.02 U	0.098 UJ	0.095 UJ
8270D	108-60-1	2,2'-OXYBIS(1-CHLOROPROPANE)	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	58-90-2	2,3,4,6-TETRACHLOROPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	95-95-4	2,4,5-TRICHLOROPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 UJ	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	88-06-2	2,4,6-TRICHLOROPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	120-83-2	2,4-DICHLOROPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	105-67-9	2,4-DIMETHYLPHENOL	MG_KG	1.1 U	0.84 U	0.87 U	0.99 U	0.98 U	2 U	1 U	0.99 U	1 U	0.92 U	0.96 U	1.3 U	0.92 U	1.6 U	1.2 U	1.1 U	0.94 U	1 U	0.91 U	0.84 U	1.7 U	1.5 U	1.8 U	0.92 U	0.83 U	0.86 U	0.92 U	0.88 U	0.92 U	1 U	1 U	0.99 U	0.99 U	0.95 UJ	0.95 UJ
8270D	51-28-5	2,4-DINITROPHENOL	MG_KG	8.2 U	6.4 U	6.6 U	7.6 U	7.5 U	15 U	7.7 U	7.5 U	7.9 U	7.1 U	7.4 U	10 U	7.1 U	12 U	9.3 U	8.2 UJ	7.2 U	7.8 U	7 U	6.4 U	13 U	12 U	14 U	7 U	6.3 U	6.6 U	7 U	6.7 U	7.1 U	7.9 U	7.6 U	7.5 UJ	7.6 U	7.2 UJ	7.3 UJ
8270D	121-14-2	2,4-DINITROTOLUENE	MG_KG	1.1 U	0.84 UJ	0.87 U	0.99 U	0.98 U	2 U	1 U	0.99 U	1 U	0.92 U	0.96 U	1.3 U	0.92 U	1.6 U	1.2 U	1.1 UJ	0.94 U	1 U	0.91 U	0.84 U	1.7 U	1.5 U	1.8 UJ	0.92 U	0.83 U	0.86 U	0.92 U	0.88 U	0.92 U	1 U	1 U	0.99 UJ	0.99 U	0.95 UJ	0.95 UJ
8270D	606-20-2	2,6-DINITROTOLUENE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	91-58-7	2-CHLORONAPHTHALENE	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	95-57-8	2-CHLOROPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	91-57-6	2-METHYLNAPHTHALENE	MG_KG	0.22 U	0.18 U	0.19 U	0.39 U	0.39 U	0.77 U	0.2 U	0.2 U	0.41 U	0.36 U	0.38 U	0.52 U	0.37 U	0.63 U	0.26 U	0.42 U	0.37 U	0.2 U	0.36 U	0.033 U	0.67 U	0.59 U	0.72 U	0.36 U	0.035 U	0.035 U	0.36 U	0.35 U	0.36 U	0.2 U	0.39 U	0.039 U	0.041 U	0.2 UJ	0.19 UJ
8270D	95-48-7	2-METHYLPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 UJ	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	88-74-4	2-NITROANILINE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	88-75-5	2-NITROPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	91-94-1	3,3-DICHLOROBENZIDINE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 UJ	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	108-39-4/106-44	3- AND 4-METHYLPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 UJ	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	99-09-2	3-NITROANILINE	MG_KG	1.1 U	0.84 UJ	0.87 U	0.99 U	0.98 U	2 U	1 U	0.99 U	1 U	0.92 U	0.96 U	1.3 U	0.92 U	1.6 U	1.2 U	1.1 UJ	0.94 U	1 U	0.91 U	0.84 U	1.7 U	1.5 U	1.8 UJ	0.92 U	0.83 U	0.86 U	0.92 U	0.88 U	0.92 U	1 U	1 U	0.99 U	0.99 U	0.95 UJ	0.95 UJ
8270D	534-52-1	4,6-DINITRO-2-METHYLPHENOL	MG_KG	2.1 U	1.6 U	1.7 U	1.9 U	1.9 U	3.8 U	2 U	1.9 U	2 U	1.8 U	1.9 U	2.6 U	1.8 U	3.1 U	2.4 U	2.1 UJ	1.8 U	2 U	1.8 U	1.6 U	3.3 U	2.9 U	3.6 U	1.8 U	1.6 U	1.7 U	1.8 U	1.7 U	1.8 U	2 U	1.9 U	1.9 UJ	1.9 U	1.8 UJ	1.8 UJ
8270D	101-55-3	4-BROMOPHENYL-PHENYLETHER	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	59-50-7	4-CHLORO-3-METHYLPHENOL	MG_KG	0.42 U	0.33 U	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 U	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	106-47-8	4-CHLOROANILINE	MG_KG	1.1 U	**1.1 J**	0.87 U	0.99 U	0.98 U	2 U	1 U	0.99 U	1 U	0.92 U	0.96 U	1.3 U	0.92 U	1.6 U	1.2 U	1.1 UJ	0.94 U	1 U	0.91 U	0.84 U	1.7 U	1.5 U	1.8 UJ	0.92 U	0.83 U	0.86 U	0.92 U	0.88 U	0.92 U	1 U	1 U	0.99 UJ	0.99 U	0.95 UJ	0.95 UJ
8270D	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	100-01-6	4-NITROANILINE	MG_KG	1.1 U	0.84 UJ	0.87 U	0.99 U	0.98 U	2 U	1 U	0.99 U	1 U	0.92 U	0.96 U	1.3 U	0.92 U	1.6 U	1.2 U	1.1 U	0.94 U	1 U	0.91 U	0.84 U	1.7 U	1.5 U	1.8 UJ	0.92 U	0.83 U	0.86 U	0.92 U	0.88 U	0.92 U	1 U	1 U	0.99 UJ	0.99 U	0.95 UJ	0.95 UJ
8270D	100-02-7	4-NITROPHENOL	MG_KG	4.2 U	3.3 U	3.4 U	3.9 U	3.9 U	7.7 U	4 U	3.9 U	4.1 U	3.6 U	3.8 U	5.2 U	3.6 U	6.4 U	4.8 U	4.2 U	3.7 U	4 U	3.6 U	3.3 U	6.7 U	5.9 U	7.2 U	3.6 U	3.3 U	3.4 U	3.6 U	3.5 U	3.6 U	4.1 U	3.9 U	3.9 UJ	3.9 U	3.7 UJ	3.7 UJ
8270D	83-32-9	ACENAPHTHENE	MG_KG	0.22 U	0.18 U	0.19 U	0.39 U	0.39 U	0.77 U	0.2 U	0.2 U	0.41 U	0.36 U	0.38 U	0.52 U	0.37 U	0.63 U	0.26 U	0.42 U	0.37 U	0.2 U	0.36 U	0.033 U	0.67 U	0.59 U	0.72 U	0.36 U	0.035 U	0.035 U	0.36 U	0.35 U	0.36 U	0.2 U	0.39 U	0.039 U	0.041 U	0.2 UJ	0.19 UJ
8270D	208-96-8	ACENAPHTHYLENE	MG_KG	0.22 U	0.18 U	0.19 U	0.39 U	0.39 U	0.77 U	0.2 U	0.2 U	0.41 U	0.36 U	0.38 U	0.52 U	0.37 U	0.63 U	0.26 U	0.42 U	0.37 U	0.2 U	0.36 U	0.033 U	0.67 U	0.59 U	0.72 U	0.36 U	0.035 U	0.035 U	0.36 U	0.35 U	0.36 U	0.2 U	0.39 U	0.039 U	0.041 U	0.2 UJ	0.19 UJ
8270D	98-86-2	ACETOPHENONE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	120-12-7	ANTHRACENE	MG_KG	0.22 U	0.18 U	0.19 U	0.39 U	0.39 U	0.77 U	0.2 U	0.2 U	0.41 U	0.36 U	0.38 U	0.52 U	0.37 U	0.63 U	0.26 U	0.42 U	0.37 U	0.2 U	0.36 U	0.033 U	0.67 U	0.59 U	0.72 U	0.36 U	0.035 U	0.035 U	0.36 U	0.35 U	**0.18 J**	**0.1 J**	0.39 U	0.039 U	0.041 U	0.2 UJ	0.19 UJ
8270D	1912-24-9	ATRAZINE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 UJ	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	100-52-7	BENZALDEHYDE	MG_KG	1.1 UJ	0.84 UJ	0.87 UJ	0.99 UJ	0.98 UJ	2 UJ	1 UJ	0.99 UJ	1 U	0.92 UJ	0.96 UJ	1.3 UJ	0.92 UJ	1.6 UJ	1.2 UJ	1.1 UJ	0.94 U	1 UJ	0.91 UJ	0.84 U	1.7 UJ	1.5 UJ	1.8 UJ	0.92 UJ	0.83 U	0.86 U	0.92 UJ	0.88 U	0.92 UJ	1 UJ	1 UJ	0.99 UJ	0.99 UJ	0.95 UJ	0.95 UJ
8270D	56-55-3	BENZO[A]ANTHRACENE	MG_KG	**0.45**	0.18 U	0.19 U	0.39 U	0.39 U	**0.59 J**	**0.31**	0.2 U	**0.67**	0.36 U	0.38 U	0.52 U	0.37 U	0.63 U	0.26 U	0.42 U	0.37 U	0.2 U	0.36 U	0.033 U	0.67 U	0.59 U	0.72 U	0.36 U	**0.018 J**	0.035 U	0.36 U	**0.62**	**0.85**	**0.58**	**0.24 J**	0.039 U	**0.087**	**0.37 J**	**0.33 J**
8270D	50-32-8	BENZO[A]PYRENE	MG_KG	**0.43**	**0.051 J**	0.093 U	0.19 U	**0.16 J**	**0.54 J**	**0.29**	**0.056 J**	**0.75**	0.18 U	0.19 U	**0.19 J**	0.18 U	**0.15 J**	**0.15 J**	0.21 U	0.18 U	0.1 U	**0.071 J**	0.016 U	**0.14 J**	**0.2 J**	**0.23 J**	**0.11 J**	**0.026 J**	**0.015 J**	0.18 U	**0.92**	**0.84**	**0.69**	**0.28 J**	**0.013 J**	**0.13**	**0.56 J**	**0.56 J**
8270D	205-99-2	BENZO[B]FLUORANTHENE	MG_KG	**0.66**	**0.11 J**	0.19 U	0.39 U	**0.22 J**	**0.94**	**0.52**	0.2 U	**1.2**	0.36 U	0.38 U	**0.38 J**	0.37 U	0.63 U	**0.28**	0.42 U	0.37 U	0.2 U	0.36 U	**0.02 J**	0.67 U	0.59 U	**0.38 J**	**0.18 J**	**0.064**	**0.029 J**	0.36 U	**1.4 J**	**1.4**	**1.1**	**0.48**	0.039 U	**0.17**	**0.97 J**	**1.2 J**
8270D	207-08-9	BENZO[K]FLUORANTHENE	MG_KG	**0.27**	0.089 U	0.093 U	0.19 U	0.19 U	**0.39 J**	**0.14 J**	0.098 U	**0.46**	0.18 U	0.19 U	0.26 U	0.18 U	0.31 U	0.13 U	0.21 U	0.18 U	0.1 U	0.18 U	0.016 U	0.33 U	0.29 U	0.35 U	0.18 U	0.017 U	0.017 U	0.18 U	**0.72**	**0.46**	**0.48**	**0.18 J**	0.019 U	**0.077**	**0.37 J**	0.095 UJ
8270D	111-91-1	BIS(2-CHLOROETHOXY)METHANE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	111-44-4	BIS(2-CHLOROETHYL)ETHER	MG_KG	1.1 U	0.84 UJ	0.87 U	0.99 U	0.98 U	2 U	1 U	0.99 U	1 U	0.92 U	0.96 U	1.3 U	0.92 U	1.6 U	1.2 U	1.1 U	0.94 U	1 U	0.91 U	0.84 U	1.7 U	1.5 U	1.8 UJ	0.92 U	0.83 U	0.86 U	0.92 U	0.88 U	0.92 U	1 U	1 U	0.99 UJ	0.99 U	0.95 UJ	0.95 UJ
8270D	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	MG_KG	0.42 U	0.33 UJ	0.34 U	**0.2 J**	**0.17 J**	**1.7 J**	0.4 U	0.39 U	**0.72 J**	0.36 U	0.38 U	**0.3 J**	0.36 U	**0.42 J**	0.48 U	**0.54 J**	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	**1.1 J**	0.36 U	0.33 U	0.34 U	0.36 U	**0.15 J**	**0.18 J**	0.41 U	**0.25 J**	0.39 UJ	0.39 U	**0.22 J**	**0.27 J**
8270D	85-68-7	BUTYLBENZYLPHTHALATE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	**0.15 J**	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	105-60-2	CAPROLACTAM	MG_KG	1.1 U	0.84 UJ	0.87 U	0.99 U	0.98 U	2 U	1 U	0.99 U	1 U	0.92 U	0.96 U	1.3 U	0.92 U	1.6 U	1.2 U	1.1 U	0.94 U	1 U	0.91 U	0.84 U	1.7 U	1.5 U	1.8 UJ	0.92 U	0.83 U	0.86 U	0.92 U	0.88 U	0.92 U	1 U	1 U	0.99 UJ	0.99 U	0.95 UJ	0.95 UJ
8270D	86-74-8	CARBAZOLE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	**0.16 J**	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	218-01-9	CHRYSENE	MG_KG	**0.5**	0.18 U	0.19 U	0.39 U	0.39 U	**0.74 J**	**0.37**	0.2 U	**0.92**	0.36 U	0.38 U	0.52 U	0.37 U	0.63 U	**0.17 J**	0.42 U	0.37 U	0.2 U	0.36 U	0.033 U	0.67 U	0.59 U	0.72 U	0.36 U	**0.052**	0.035 U	0.36 U	**0.86**	**0.96**	**0.74**	**0.31 J**	0.039 U	**0.15**	**0.54 J**	**0.48 J**
8270D	84-74-2	DI-N-BUTYLPHTHALATE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	**0.22 J**	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	117-84-0	DI-N-OCTYLPHTHALATE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 U	0.39 U	0.37 UJ	0.37 UJ
8270D	53-70-3	DIBENZ[A,H]ANTHRACENE	MG_KG	0.22 U	0.18 U	0.19 U	0.39 U	0.39 U	0.77 U	0.2 U	0.2 U	**0.24 J**	0.36 U	0.38 U	0.52 U	0.37 U	0.63 U	0.26 U	0.42 U	0.37 U	0.2 U	0.36 U	0.033 U	0.67 U	0.59 U	0.72 U	0.36 U	0.035 U	0.035 U	0.36 U	**0.26 J**	0.36 U	0.2 U	0.39 U	0.039 U	**0.021 J**	0.2 UJ	0.19 UJ
8270D	132-64-9	DIBENZOFURAN	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	84-66-2	DIETHYLPHTHALATE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U	0.41 U	0.36 U	0.38 U	0.52 U	0.36 U	0.64 U	0.48 U	0.42 U	0.37 U	0.4 U	0.36 U	0.33 U	0.67 U	0.59 U	0.72 UJ	0.36 U	0.33 U	0.34 U	0.36 U	0.35 U	0.36 U	0.41 U	0.39 U	0.39 UJ	0.39 U	0.37 UJ	0.37 UJ
8270D	131-11-3	DIMETHYL PHTHALATE	MG_KG	0.42 U	0.33 UJ	0.34 U	0.39 U	0.39 U	0.77 U	0.4 U	0.39 U

Table E-3-3 Soil Results — SVOCs

Sample Location:			J10	J2	K1	K10	K10	K2	K3	K5	K9	L10	L2	L3	L3	L4	L5	L6	L7	L8	L9	M10	M2	M3	M4	M5	M6	M7	M8	M8	M9	N3	N4
Sample ID:			AOPSJ1001	AOPSJ201	AOPSK101	AOPCK1001	AOPSK1001	AOPSK201	AOPSK301	AOPSK501	AOPSK901	AOPSL1001	AOPSL201	AOPCL301	AOPSL301	AOPSL401	AOPSL501	AOPSL601	AOPSL701	AOPSL801	AOPSL901	AOPSM1001	AOPSM201	AOPSM301	AOPSM401	AOPSM501	AOPSM601	AOPSM701	AOPCM801	AOPSM801	AOPSM901	AOPSN301	AOPSN401
Sample Date:			10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
Sample Type:			Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																														
8270D	92-52-4	1,1-BIPHENYL	MG_KG	8.2 U	9.5 UJ	9.1 U	8.7 U	8.6 U	9.5 U	8.8 UJ	12 UJ	12 U	9.5 U	9.4 U	9.4 U	9.3 U	10 U	9.9 U	10 U	10 U	9.6 U	9.6 U	9.1 U	9.4 U	8.9 UJ	9.9 U	9.2 U	8.8 U	10 U	11 U	11 U	9.4 U	9.1 UJ	11 U
8270D	95-94-3	1,2,4,5-TETRACHLOROBENZENE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	123-91-1	1,4-DIOXANE	MG_KG	1.6 U	1.9 UJ	1.8 UJ	1.7 U	1.7 U	1.8 UJ	1.7 UJ	2.4 UJ	2.4 U	1.8 UJ	1.8 UJ	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	1.9 U	1.9 U	1.8 U	1.8 UJ	1.7 UJ	1.9 UJ	1.8 UJ	1.7 U	2 U	2 U	2 U	1.8 U	1.8 UJ	2.2 UJ
8270D	90-12-0	1-METHYLNAPHTHALENE	MG_KG	0.083 U	0.02 U	0.018 U	0.089 U	0.089 U	0.019 U	0.018 U	0.12 U	0.13 U	0.019 U	0.019 U	0.018 U	0.019 U	0.02 U	0.019 U	0.021 U	0.02 U	0.02 U	0.019 U	0.019 U	**0.14 J**	**0.024 J**	0.02 U	0.019 U	0.089 U	0.1 U	0.11 U	0.11 U	0.093 U	0.019 U	0.11 U
8270D	108-60-1	2,2'-OXYBIS(1-CHLOROPROPANE)	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	58-90-2	2,3,4,6-TETRACHLOROPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	95-95-4	2,4,5-TRICHLOROPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	88-06-2	2,4,6-TRICHLOROPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	120-83-2	2,4-DICHLOROPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	105-67-9	2,4-DIMETHYLPHENOL	MG_KG	0.82 U	0.95 U	0.91 U	0.87 U	0.86 U	0.95 U	0.88 U	1.2 U	1.2 U	0.95 U	0.94 U	0.94 U	0.93 U	1 U	0.99 U	1 U	1 U	0.96 U	0.96 U	0.91 U	0.94 U	0.89 UJ	0.99 U	0.92 U	0.88 U	1 U	1.1 U	1.1 U	0.94 U	0.91 U	1.1 U
8270D	51-28-5	2,4-DINITROPHENOL	MG_KG	6.3 U	7.3 U	7 U	6.7 U	6.6 U	7.2 U	6.7 U	9.4 U	9.4 U	7.2 U	7.2 U	7.2 U	7.1 U	8 U	7.6 U	8 U	7.9 U	7.3 U	7.4 U	6.9 U	7.2 U	6.8 UJ	7.6 U	7 U	6.7 U	7.8 U	8.1 U	8 U	7.2 U	6.9 U	8.6 U
8270D	121-14-2	2,4-DINITROTOLUENE	MG_KG	0.82 U	0.95 UJ	**1.8**	0.87 U	0.86 U	0.95 U	0.88 UJ	1.2 UJ	1.2 U	0.95 U	0.94 U	0.94 UJ	0.93 U	1 UJ	0.99 UJ	1 UJ	1 UJ	0.96 U	0.96 U	0.91 U	0.94 U	0.89 UJ	0.99 U	0.92 U	0.88 U	1 U	1.1 U	1.1 U	0.94 U	0.91 UJ	1.1 U
8270D	606-20-2	2,6-DINITROTOLUENE	MG_KG	0.32 U	0.38 UJ	**2.4**	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	91-58-7	2-CHLORONAPHTHALENE	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	95-57-8	2-CHLOROPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	91-57-6	2-METHYLNAPHTHALENE	MG_KG	0.17 U	0.041 U	0.037 U	0.18 U	0.18 U	0.038 U	0.036 U	0.25 U	0.26 U	0.039 U	0.039 U	0.037 U	0.038 U	0.041 U	0.039 U	0.042 U	0.041 U	0.04 U	0.039 U	0.038 U	**0.12 J**	**0.017 J**	0.041 U	0.038 U	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	0.039 U	0.22 U
8270D	95-48-7	2-METHYLPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	88-74-4	2-NITROANILINE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 UJ	0.37 U	0.41 UJ	0.39 UJ	0.41 UJ	0.41 UJ	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	88-75-5	2-NITROPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	91-94-1	3,3-DICHLOROBENZIDINE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 U	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	108-39-4/106-44	3- AND 4-METHYLPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	99-09-2	3-NITROANILINE	MG_KG	0.82 U	0.95 UJ	0.91 U	0.87 U	0.86 U	0.95 U	0.88 UJ	1.2 UJ	1.2 U	0.95 U	0.94 U	0.94 U	0.93 U	1 U	0.99 U	1 U	1 U	0.96 U	0.96 U	0.91 U	0.94 U	0.89 U	0.99 U	0.92 U	0.88 U	1 U	1.1 U	1.1 U	0.94 U	0.91 UJ	1.1 U
8270D	534-52-1	4,6-DINITRO-2-METHYLPHENOL	MG_KG	1.6 U	1.9 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	2.4 U	2.4 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	1.9 U	1.9 U	1.8 U	1.8 U	1.7 UJ	1.9 U	1.8 U	1.7 U	2 U	2 U	2 U	1.8 U	1.8 U	2.2 U
8270D	101-55-3	4-BROMOPHENYL-PHENYLETHER	MG_KG	0.32 U	0.38 UJ	**0.4 J**	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	59-50-7	4-CHLORO-3-METHYLPHENOL	MG_KG	0.32 U	0.38 U	0.36 U	0.34 U	0.34 U	0.37 U	0.35 U	0.49 U	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 U	0.45 U
8270D	106-47-8	4-CHLOROANILINE	MG_KG	0.82 U	0.95 UJ	0.91 U	0.87 U	0.86 U	0.95 U	0.88 UJ	1.2 UJ	1.2 U	0.95 U	0.94 U	0.94 U	0.93 U	1 U	0.99 U	1 U	1 U	0.96 U	0.96 U	0.91 U	0.94 U	0.89 UJ	0.99 U	0.92 U	0.88 U	1 U	1.1 U	1.1 U	0.94 U	0.91 UJ	1.1 U
8270D	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 UJ	0.37 U	0.41 UJ	0.39 UJ	0.41 UJ	0.41 UJ	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	100-01-6	4-NITROANILINE	MG_KG	0.82 U	0.95 UJ	0.91 U	0.87 U	0.86 U	0.95 U	0.88 UJ	1.2 UJ	1.2 U	0.95 U	0.94 U	0.94 UJ	0.93 U	1 UJ	0.99 UJ	1 UJ	1 UJ	0.96 U	0.96 U	0.91 U	0.94 U	0.89 UJ	0.99 U	0.92 U	0.88 U	1 U	1.1 U	1.1 U	0.94 U	0.91 UJ	1.1 U
8270D	100-02-7	4-NITROPHENOL	MG_KG	3.2 U	3.8 U	3.6 U	3.4 U	3.4 U	3.7 U	3.5 U	4.9 U	4.8 U	3.7 U	3.7 U	3.7 U	3.7 U	4.1 U	3.9 U	4.1 U	4.1 U	3.8 U	3.8 U	3.6 U	3.7 U	3.5 UJ	3.9 U	3.6 U	3.5 U	4 U	4.2 U	4.1 U	3.7 U	3.6 U	4.5 U
8270D	83-32-9	ACENAPHTHENE	MG_KG	0.17 U	0.041 U	0.037 UJ	0.18 U	0.18 U	0.038 U	0.036 U	0.25 U	0.26 U	0.039 U	0.039 U	**0.028 J**	**0.072**	0.041 U	0.039 U	0.042 U	0.041 U	0.04 U	0.039 U	0.038 U	**1.2**	**0.18 J**	0.041 U	0.038 U	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	0.039 U	0.22 U
8270D	208-96-8	ACENAPHTHYLENE	MG_KG	0.17 U	0.041 U	0.037 U	0.18 U	0.18 U	0.038 U	0.036 U	0.25 U	0.26 U	0.039 U	0.039 U	0.037 U	0.038 U	0.041 U	0.039 U	0.042 U	0.041 U	0.04 U	0.039 U	0.038 U	0.19 U	0.035 U	0.041 U	0.038 U	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	0.039 U	0.22 U
8270D	98-86-2	ACETOPHENONE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	120-12-7	ANTHRACENE	MG_KG	0.17 U	0.041 U	0.037 UJ	0.18 U	0.18 U	0.038 U	0.036 U	0.25 U	0.26 U	0.039 U	0.039 U	**0.038**	**0.1**	0.041 U	0.039 U	**0.03 J**	0.041 U	0.04 U	0.039 U	0.038 U	**2**	**0.23 J**	0.041 U	0.038 U	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	**0.027 J**	0.22 U
8270D	1912-24-9	ATRAZINE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	100-52-7	BENZALDEHYDE	MG_KG	0.82 U	0.95 UJ	0.91 U	0.87 U	0.86 U	0.95 U	0.88 UJ	1.2 UJ	1.2 U	0.95 U	0.94 U	0.94 UJ	0.93 UJ	1 UJ	0.99 UJ	1 UJ	1 UJ	0.96 U	0.96 U	0.91 U	0.94 U	0.89 UJ	0.99 U	0.92 U	0.88 UJ	1 U	1.1 U	1.1 U	0.94 U	0.91 UJ	1.1 U
8270D	56-55-3	BENZO[A]ANTHRACENE	MG_KG	**0.35**	**0.043**	**0.037 J**	0.18 U	0.18 U	**0.033 J**	**0.023 J**	0.25 U	**0.13 J**	**0.047**	**0.092**	**0.24 J**	**0.53 J**	**0.021 J**	**0.053**	**0.19**	**0.053**	**0.026 J**	0.039 U	0.038 U	**9.7**	**1.9 J**	**0.04 J**	**0.019 J**	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	**0.12**	0.22 U
8270D	50-32-8	BENZO[A]PYRENE	MG_KG	**0.36**	**0.048**	**0.037 J**	**0.04 J**	**0.064 J**	**0.028 J**	**0.023 J**	**0.081 J**	**0.092 J**	**0.05**	**0.095**	**0.24 J**	**0.46 J**	**0.026 J**	**0.055**	**0.21**	**0.057**	**0.029 J**	**0.02 J**	**0.014 J**	**8.6**	**1.8 J**	**0.043**	**0.018 J**	0.089 U	**0.055 J**	0.11 U	0.11 U	0.093 U	**0.1**	**0.067 J**
8270D	205-99-2	BENZO[B]FLUORANTHENE	MG_KG	**0.64**	**0.085**	**0.066 J**	**0.089 J**	**0.13 J**	**0.055**	**0.046**	**0.19 J**	**0.24 J**	**0.099**	**0.12**	**0.35 J**	**0.61 J**	**0.048**	**0.087**	**0.32**	**0.093**	**0.053**	**0.034 J**	**0.037 J**	**12**	**2.8 J**	**0.07**	**0.034 J**	0.18 U	0.21 U	0.22 U	0.22 U	**0.096 J**	**0.15**	**0.14 J**
8270D	207-08-9	BENZO[K]FLUORANTHENE	MG_KG	**0.26**	**0.021 J**	**0.017 J**	0.089 U	0.089 U	**0.016 J**	**0.012 J**	0.12 U	**0.097 J**	0.019 U	**0.062**	**0.17**	**0.28**	**0.012 J**	0.019 U	**0.15**	**0.046**	**0.022 J**	**0.017 J**	0.019 U	**5**	**0.86 J**	**0.023 J**	**0.012 J**	0.089 U	**0.075 J**	0.11 U	0.11 U	0.093 U	**0.051**	0.11 U
8270D	111-91-1	BIS(2-CHLOROETHOXY)METHANE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	111-44-4	BIS(2-CHLOROETHYL)ETHER	MG_KG	0.82 U	0.95 UJ	0.91 U	0.87 U	0.86 U	0.95 U	0.88 UJ	1.2 UJ	1.2 U	0.95 U	0.94 U	0.94 U	0.93 U	1 U	0.99 U	1 U	1 U	0.96 U	0.96 U	0.91 U	0.94 U	0.89 UJ	0.99 U	0.92 U	0.88 U	1 U	1.1 U	1.1 U	0.94 U	0.91 UJ	1.1 U
8270D	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	**0.33 J**	0.37 U	**0.39 J**	**0.42 J**	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	85-68-7	BUTYLBENZYLPHTHALATE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	105-60-2	CAPROLACTAM	MG_KG	0.82 U	0.95 UJ	0.91 U	0.87 U	0.86 U	0.95 U	0.88 UJ	1.2 UJ	1.2 U	0.95 U	0.94 U	0.94 U	0.93 U	1 U	0.99 U	1 U	1 U	0.96 U	0.96 U	0.91 U	0.94 U	0.89 UJ	0.99 U	0.92 U	0.88 U	1 U	1.1 U	1.1 U	0.94 U	0.91 UJ	1.1 U
8270D	86-74-8	CARBAZOLE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	**0.41 J**	0.41 U	0.38 U	0.38 U	0.36 U	**2.6**	**0.9 J**	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	218-01-9	CHRYSENE	MG_KG	**0.5**	**0.055**	**0.043 J**	0.18 U	**0.089 J**	**0.041**	**0.039**	0.25 U	**0.13 J**	**0.058**	**0.1**	**0.28 J**	**0.56 J**	**0.029 J**	**0.068**	**0.24**	**0.072**	**0.04**	**0.027 J**	**0.021 J**	**10**	**2.1 J**	**0.055**	**0.025 J**	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	**0.12**	0.22 U
8270D	84-74-2	DI-N-BUTYLPHTHALATE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	117-84-0	DI-N-OCTYLPHTHALATE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 U	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	53-70-3	DIBENZ[A,H]ANTHRACENE	MG_KG	0.17 U	0.041 U	0.037 UJ	0.18 U	0.18 U	0.038 U	0.036 U	0.25 U	0.26 U	0.039 U	0.039 U	**0.037**	**0.08**	0.041 U	0.039 U	**0.042**	0.041 U	0.04 U	0.039 U	0.038 U	**1.2**	**0.33 J**	0.041 U	0.038 U	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	**0.019 J**	0.22 U
8270D	132-64-9	DIBENZOFURAN	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 UJ	0.37 U	0.41 UJ	0.39 UJ	0.41 UJ	0.41 UJ	0.38 U	0.38 U	0.36 U	**1.1 J**	**0.48 J**	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	84-66-2	DIETHYLPHTHALATE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 UJ	0.37 U	0.41 UJ	0.39 UJ	0.41 UJ	0.41 UJ	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	131-11-3	DIMETHYL PHTHALATE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 UJ	0.37 U	0.41 UJ	0.39 UJ	0.41 UJ	0.41 UJ	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	206-44-0	FLUORANTHENE	MG_KG	**0.94**	**0.089**	**0.075 J**	0.18 U	**0.15 J**	**0.037 J**	**0.054**	0.25 U	**0.23 J**	**0.11**	**0.2**	**0.57 J**	**1.1 J**	**0.047**	**0.1**	**0.44**	**0.14**	**0.072**	**0.046**	**0.027 J**	**23**	**4.5 J**	**0.081**	**0.046**	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	**0.25**	**0.14 J**
8270D	86-73-7	FLUORENE	MG_KG	0.17 U	0.041 U	0.037 UJ	0.18 U	0.18 U	0.038 U	0.036 U	0.25 U	0.26 U	0.039 U	0.039 U	0.037 U	**0.028 J**	0.041 U	0.039 U	0.042 U	0.041 U	0.04 U	0.039 U	0.038 U	**0.83**	**0.083 J**	0.041 U	0.038 U	0.18 U	0.21 U	0.22 U	0.22 U	0.19 U	0.039 U	0.22 U
8270D	118-74-1	HEXACHLOROBENZENE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	87-68-3	HEXACHLOROBUTADIENE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U	0.34 U	0.37 U	0.35 UJ	0.49 UJ	0.48 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U	0.39 U	0.41 U	0.41 U	0.38 U	0.38 U	0.36 U	0.37 U	0.35 UJ	0.39 U	0.36 U	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 U
8270D	77-47-4	HEXACHLOROCYCLOPENTADIENE	MG_KG	0.32 U	0.38 UJ	0.36 UJ	0.34 U	0.34 U	0.37 UJ	0.35 UJ	0.49 UJ	0.48 U	0.37 UJ	0.37 UJ	0.37 UJ	0.37 UJ	0.41 UJ	0.39 UJ	0.41 UJ	0.41 UJ	0.38 U	0.38 U	0.36 U	0.37 UJ	0.35 UJ	0.39 UJ	0.36 UJ	0.35 U	0.4 U	0.42 U	0.41 U	0.37 U	0.36 UJ	0.45 UJ
8270D	67-72-1	HEXACHLOROETHANE	MG_KG	0.32 U	0.38 UJ	0.36 U	0.34 U

Table E-3-4 Soil Results — Herbicides

		Sample Location:		A6	B5	B7	C4	C7	C8	C9	C9	D10	D3	D4
		Sample ID:		AOPSA601	AOPSB501	AOPSB701	AOPSC401	AOPSC701	AOPSC801	AOPCC901	AOPSC901	AOPSD1001	AOPSD301	AOPSD401
		Sample Date:		10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015
		Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**											
8151A	93-76-5	2,4,5-T	MG_KG	0.067 U	0.053 U	0.027 U	0.0058 U	0.029 U	0.12 U	0.061 U	0.058 U	0.061 U	0.027 U	0.0057 U
8151A	94-75-7	2,4-D	MG_KG	0.067 U	0.053 U	0.027 U	0.0058 U	0.029 U	0.12 U	0.061 U	0.058 U	0.061 U	0.027 U	0.0057 U
8151A	94-82-6	2,4-DB	MG_KG	0.067 UJ	0.053 UJ	0.027 UJ	0.0058 UJ	0.029 UJ	0.12 UJ	0.061 UJ	0.058 UJ	0.061 UJ	0.027 UJ	0.0057 UJ
8151A	75-99-0	DALAPON	MG_KG	0.11 UJ	0.085 UJ	0.044 UJ	0.0093 UJ	0.046 UJ	0.18 UJ	0.098 UJ	0.094 UJ	0.098 UJ	0.044 UJ	0.0091 UJ
8151A	1918-00-9	DICAMBA	MG_KG	0.067 U	0.053 U	0.027 U	0.0058 U	0.029 U	0.12 U	0.061 U	0.058 U	0.061 U	0.027 U	0.0057 U
8151A	120-36-5	DICHLOROPROP	MG_KG	0.027 U	0.021 U	0.011 U	0.0023 U	0.012 U	0.046 U	0.025 U	0.023 U	0.025 U	0.011 U	0.0023 U
8151A	88-85-7	DINOSEB	MG_KG	0.067 U	0.053 U	0.027 U	0.0058 U	0.029 U	0.12 U	0.061 U	0.058 U	0.061 U	0.027 U	0.0057 U
8151A	94-74-6	MCPA	MG_KG	6.4 U	5.1 U	2.6 U	0.56 U	2.8 U	11 U	5.9 U	5.6 U	5.9 U	2.6 U	0.55 U
8151A	93-65-2	MCPP	MG_KG	6.4 U	5.1 U	2.6 U	0.56 U	2.8 U	11 U	5.9 U	5.6 U	5.9 U	2.6 U	0.55 U
8151A	87-86-5	PENTACHLOROPHENOL	MG_KG	0.013 U	0.011 U	0.0055 U	0.0012 U	0.0058 U	0.023 U	0.012 U	0.012 U	**0.047 J**	0.0054 U	0.0011 U
8151A	93-72-1	SILVEX	MG_KG	0.067 U	0.053 U	0.027 U	0.0058 U	0.029 U	0.12 U	0.061 U	0.058 U	0.061 U	0.027 U	0.0057 U

Table E-3-4 Soil Results — Herbicides													
		Sample Location:		D5	D7	D8	D9	E2	E3	E4	E5	E6	F1	F1
		Sample ID:		AOPSD501	AOPSD701	AOPSD801	AOPSD901	AOPSE201	AOPSE301	AOPSE401	AOPSE501	AOPSE601	AOPCF101	AOPSF101
		Sample Date:		10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/10/2015	10/12/2015	10/10/2015	10/10/2015
		Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**											
8151A	93-76-5	2,4,5-T	MG_KG	0.039 U	0.027 UJ	0.095 U	0.075 UJ	0.032 U	0.028 U	0.0061 U	0.027 U	0.05 U	0.05 U	0.088 U
8151A	94-75-7	2,4-D	MG_KG	0.039 U	0.027 U	0.095 U	0.075 UJ	0.032 U	0.028 U	0.0061 U	0.027 U	0.05 U	0.05 U	0.088 U
8151A	94-82-6	2,4-DB	MG_KG	0.039 UJ	0.027 UJ	0.095 UJ	0.075 UJ	0.032 UJ	0.028 UJ	0.0061 UJ	0.027 UJ	0.05 UJ	0.05 UJ	0.088 UJ
8151A	75-99-0	DALAPON	MG_KG	0.062 UJ	0.044 UJ	0.15 UJ	0.12 UJ	0.05 UJ	0.044 UJ	0.0098 UJ	0.043 UJ	0.08 UJ	0.079 UJ	0.14 UJ
8151A	1918-00-9	DICAMBA	MG_KG	0.039 U	0.027 U	0.095 U	0.075 UJ	0.032 U	0.028 U	0.0061 U	0.027 U	0.05 U	0.05 U	0.088 U
8151A	120-36-5	DICHLOROPROP	MG_KG	0.016 U	0.011 U	0.038 U	0.03 UJ	0.013 U	0.011 U	0.0025 U	0.011 U	0.02 U	0.02 U	0.035 U
8151A	88-85-7	DINOSEB	MG_KG	0.039 U	0.027 U	0.095 U	0.075 UJ	0.032 U	0.028 U	0.0061 U	0.027 U	0.05 U	0.05 U	0.088 U
8151A	94-74-6	MCPA	MG_KG	3.7 U	2.6 U	9.1 U	7.2 UJ	3 U	2.7 U	0.59 U	2.6 U	4.8 U	4.8 U	8.5 U
8151A	93-65-2	MCPP	MG_KG	3.7 U	2.6 U	9.1 U	7.2 UJ	3 U	2.7 U	0.59 U	2.6 U	4.8 U	4.8 U	8.5 U
8151A	87-86-5	PENTACHLOROPHENOL	MG_KG	0.0078 U	0.0055 U	0.019 U	**0.015 J**	0.0063 U	0.0055 U	0.0012 U	0.0053 U	0.01 U	0.0099 U	0.018 U
8151A	93-72-1	SILVEX	MG_KG	0.039 U	0.027 UJ	0.095 U	0.075 UJ	0.032 U	0.028 U	0.0061 U	0.027 U	0.05 U	0.05 U	0.088 U

Table E-3-4 Soil Results — Herbicides

		Sample Location:		F10	F2	F5	F7	G10	G6	G7	G8	G9	H3	H4
		Sample ID:		AOPSF1001	AOPSF201	AOPSF501	AOPSF701	AOPSG1001	AOPSG601	AOPSG701	AOPSG801	AOPSG901	AOPSH301	AOPSH401
		Sample Date:		10/11/2015	10/10/2015	10/12/2015	10/12/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/12/2015	10/12/2015
		Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**											
8151A	93-76-5	2,4,5-T	MG_KG	0.11 U	0.054 U	0.05 U	0.052 U	0.027 U	0.052 U	0.054 U	0.061 U	0.03 U	0.0058 U	0.0059 U
8151A	94-75-7	2,4-D	MG_KG	0.11 U	0.054 U	0.05 U	0.052 U	0.027 U	0.052 U	0.054 U	0.061 U	0.03 U	0.0058 U	0.0059 U
8151A	94-82-6	2,4-DB	MG_KG	0.11 UJ	0.054 UJ	0.05 UJ	0.052 UJ	0.027 UJ	0.052 UJ	0.054 UJ	0.061 UJ	0.03 UJ	0.0058 U	0.0059 UJ
8151A	75-99-0	DALAPON	MG_KG	0.17 UJ	0.086 UJ	0.08 UJ	0.083 UJ	0.043 UJ	0.083 UJ	0.087 UJ	0.098 UJ	0.047 UJ	0.0093 UJ	0.0094 UJ
8151A	1918-00-9	DICAMBA	MG_KG	0.11 U	0.054 U	0.05 U	0.052 U	0.027 U	0.052 U	0.054 U	0.061 U	0.03 U	0.0058 U	0.0059 U
8151A	120-36-5	DICHLOROPROP	MG_KG	0.043 U	0.022 U	0.02 U	0.021 U	0.011 U	0.021 U	0.022 U	0.024 U	0.012 U	0.0023 U	0.0024 U
8151A	88-85-7	DINOSEB	MG_KG	0.11 U	0.054 U	0.05 U	0.052 U	0.027 U	0.052 U	0.054 U	0.061 U	0.03 U	0.0058 U	0.0059 U
8151A	94-74-6	MCPA	MG_KG	10 U	5.2 U	4.8 U	5 U	2.6 U	5 U	5.2 U	5.9 U	2.8 U	0.56 U	0.57 U
8151A	93-65-2	MCPP	MG_KG	10 U	5.2 U	4.8 U	5 U	2.6 U	5 U	5.2 U	5.9 U	2.8 U	0.56 U	0.57 U
8151A	87-86-5	PENTACHLOROPHENOL	MG_KG	0.022 U	**0.015 J**	0.01 U	0.01 U	0.0054 U	0.01 U	0.011 U	0.012 U	0.0059 U	0.0012 U	**0.00056 J**
8151A	93-72-1	SILVEX	MG_KG	0.11 U	0.054 U	0.05 U	0.052 U	0.027 U	0.052 U	0.054 U	0.061 U	0.03 U	0.0058 U	0.0059 U

Table E-3-4 Soil Results — Herbicides

		Sample Location:		H5	H5	J10	J2	K1	K10	K10	K2	K3	K5	K9
		Sample ID:		AOPCH501	AOPSH501	AOPSJ1001	AOPSJ201	AOPSK101	AOPCK1001	AOPSK1001	AOPSK201	AOPSK301	AOPSK501	AOPSK901
		Sample Date:		10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:		Duplicate	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**											
8151A	93-76-5	2,4,5-T	MG_KG	0.058 U	0.029 U	0.051 U	0.0059 U	0.027 U	0.053 U	0.054 U	0.0056 U	0.0056 U	0.077 U	0.038 U
8151A	94-75-7	2,4-D	MG_KG	0.058 U	0.029 U	0.051 U	0.0059 U	0.027 U	0.053 U	0.054 U	0.0056 U	0.0056 U	0.077 U	0.038 U
8151A	94-82-6	2,4-DB	MG_KG	0.058 UJ	0.029 UJ	0.051 UJ	0.0059 UJ	0.027 UJ	0.053 UJ	0.054 UJ	0.0056 UJ	0.0056 UJ	0.077 UJ	0.038 UJ
8151A	75-99-0	DALAPON	MG_KG	0.092 UJ	0.046 UJ	0.081 UJ	0.0094 UJ	0.043 UJ	0.085 UJ	0.086 UJ	0.009 UJ	0.0089 UJ	0.12 UJ	0.06 UJ
8151A	1918-00-9	DICAMBA	MG_KG	0.058 U	0.029 U	0.051 U	0.0059 U	0.027 U	0.053 U	0.054 U	0.0056 U	0.0056 U	0.077 U	0.038 U
8151A	120-36-5	DICHLOROPROP	MG_KG	0.023 U	0.012 U	0.02 U	0.0023 U	0.011 U	0.021 U	0.022 U	0.0023 U	0.0022 U	0.031 U	0.015 U
8151A	88-85-7	DINOSEB	MG_KG	0.058 U	0.029 U	0.051 U	0.0059 U	0.027 U	0.053 U	0.054 U	0.0056 U	0.0056 U	0.077 U	0.038 U
8151A	94-74-6	MCPA	MG_KG	5.5 U	2.8 U	4.9 U	0.56 U	2.6 U	5.1 U	5.2 U	0.54 U	0.53 U	7.4 U	3.6 U
8151A	93-65-2	MCPP	MG_KG	5.5 U	2.8 U	4.9 U	0.56 U	2.6 U	5.1 U	5.2 U	0.54 U	0.53 U	7.4 U	3.6 U
8151A	87-86-5	PENTACHLOROPHENOL	MG_KG	0.012 U	0.0058 U	0.01 U	0.0012 U	0.0054 U	0.011 U	0.011 U	0.0011 U	0.0011 U	0.015 U	0.0075 U
8151A	93-72-1	SILVEX	MG_KG	0.058 U	0.029 U	0.051 U	0.0059 U	0.027 U	0.053 U	0.054 U	0.0056 U	0.0056 U	0.077 U	0.038 U

Table E-3-4 Soil Results — Herbicides

			Sample Location:	L10	L2	L3	L3	L4	L5	L6	L7	L8	L9	M10
			Sample ID:	AOPSL1001	AOPSL201	AOPCL301	AOPSL301	AOPSL401	AOPSL501	AOPSL601	AOPSL701	AOPSL801	AOPSL901	AOPSM1001
			Sample Date:	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
			Sample Type:	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
			Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**											
8151A	93-76-5	2,4,5-T	MG_KG	0.0056 U	0.0058 U	0.0056 U	0.0055 U	0.0062 U	0.0059 U	0.031 U	0.032 U	0.029 U	0.029 U	0.0056 U
8151A	94-75-7	2,4-D	MG_KG	0.0056 U	0.0058 U	0.0056 U	0.0055 U	0.0062 U	0.0059 U	0.031 U	0.032 U	0.029 U	0.029 U	0.0056 U
8151A	94-82-6	2,4-DB	MG_KG	0.0056 UJ	0.0058 UJ	0.0056 U	0.0055 UJ	0.0062 U	0.0059 U	0.031 U	0.032 U	0.029 UJ	0.029 UJ	0.0056 UJ
8151A	75-99-0	DALAPON	MG_KG	0.009 UJ	0.0092 UJ	0.0089 UJ	0.0089 UJ	0.0099 U	0.0094 UJ	0.05 UJ	0.051 UJ	0.046 UJ	0.046 UJ	0.0089 UJ
8151A	1918-00-9	DICAMBA	MG_KG	0.0056 U	0.0058 U	0.0056 U	0.0055 U	0.0062 U	0.0059 U	0.031 U	0.032 U	0.029 U	0.029 U	0.0056 U
8151A	120-36-5	DICHLOROPROP	MG_KG	0.0023 U	0.0023 U	0.0022 U	0.0022 U	0.0025 U	0.0023 U	0.012 U	0.013 U	0.012 U	0.012 U	0.0022 U
8151A	88-85-7	DINOSEB	MG_KG	0.0056 U	0.0058 U	0.0056 U	0.0055 U	0.0062 U	0.0059 U	0.031 U	0.032 U	0.029 U	0.029 U	0.0056 U
8151A	94-74-6	MCPA	MG_KG	0.54 U	0.55 U	0.53 U	0.53 U	0.59 U	0.56 U	3 U	3.1 U	2.8 U	2.8 U	0.53 U
8151A	93-65-2	MCPP	MG_KG	0.54 U	0.55 U	0.53 U	0.53 U	0.59 U	0.56 U	3 U	3.1 U	2.8 U	2.8 U	0.53 U
8151A	87-86-5	PENTACHLOROPHENOL	MG_KG	**0.001 J**	0.0012 U	**0.0013 J**	**0.0008 J**	**0.00075 J**	**0.00057 J**	0.0062 U	0.0064 U	0.0058 U	0.0058 U	**0.00049 J**
8151A	93-72-1	SILVEX	MG_KG	0.0056 U	0.0058 U	0.0056 U	0.0055 U	0.0062 U	0.0059 U	0.031 U	0.032 U	0.029 U	0.029 U	0.0056 U

Table E-3-4 Soil Results — Herbicides													
		Sample Location:		M2	M3	M4	M5	M6	M7	M8	M8	M9	N3	N4
		Sample ID:		AOPSM201	AOPSM301	AOPSM401	AOPSM501	AOPSM601	AOPSM701	AOPCM801	AOPSM801	AOPSM901	AOPSN301	AOPSN401
		Sample Date:		10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**											
8151A	93-76-5	2,4,5-T	MG_KG	0.029 U	0.027 UJ	0.029 U	0.028 U	0.028 U	0.062 U	0.063 U	0.063 U	0.056 U	0.0057 U	0.068 U
8151A	94-75-7	2,4-D	MG_KG	0.029 U	0.027 U	0.029 U	0.028 U	0.028 U	0.062 U	0.063 U	0.063 U	0.056 U	0.0057 U	0.068 U
8151A	94-82-6	2,4-DB	MG_KG	0.029 UJ	0.027 UJ	0.029 UJ	0.028 UJ	0.028 UJ	0.062 UJ	0.063 UJ	0.063 UJ	0.056 UJ	0.0057 UJ	0.068 UJ
8151A	75-99-0	DALAPON	MG_KG	0.046 UJ	0.043 UJ	0.047 UJ	0.045 UJ	0.045 UJ	0.099 UJ	0.1 UJ	0.1 UJ	0.09 UJ	0.0091 UJ	0.11 UJ
8151A	1918-00-9	DICAMBA	MG_KG	0.029 U	0.027 U	0.029 U	0.028 U	0.028 U	0.062 U	0.063 U	0.063 U	0.056 U	0.0057 U	0.068 U
8151A	120-36-5	DICHLOROPROP	MG_KG	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U	0.025 U	0.025 U	0.025 U	0.022 U	0.0023 U	0.027 U
8151A	88-85-7	DINOSEB	MG_KG	0.029 U	0.027 U	0.029 U	0.028 U	0.028 U	0.062 U	0.063 U	0.063 U	0.056 U	0.0057 U	0.068 U
8151A	94-74-6	MCPA	MG_KG	2.8 U	2.6 U	2.8 U	2.7 U	2.7 U	5.9 U	6 U	6 U	5.4 U	0.54 U	6.5 U
8151A	93-65-2	MCPP	MG_KG	2.8 U	2.6 U	2.8 U	2.7 U	2.7 U	5.9 U	6 U	6 U	5.4 U	0.54 U	6.5 U
8151A	87-86-5	PENTACHLOROPHENOL	MG_KG	**0.0035 J**	0.0054 U	0.0059 U	0.0056 U	0.0056 U	0.012 U	0.013 U	0.013 U	0.011 U	0.0011 U	0.014 U
8151A	93-72-1	SILVEX	MG_KG	0.029 U	0.027 U	0.029 U	0.028 U	0.028 U	0.062 U	0.063 U	0.063 U	0.056 U	0.0057 U	0.068 U

Table E-3-5 Soil Results — Organophosphorus Pesticides

		Sample Location:		A6	B5	B7	C4	C7	C8	C9	C9	D10	D3	D4	D5	D7	D8	D9	E2	E3
		Sample ID:		AOPSA601	AOPSB501	AOPSB701	AOPSC401	AOPSC701	AOPSC801	AOPCC901	AOPSC901	AOPSD1001	AOPSD301	AOPSD401	AOPSD501	AOPSD701	AOPSD801	AOPSD901	AOPSE201	AOPSE301
		Sample Date:		10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015
		Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																	
8141A	1912-24-9	ATRAZINE	MG_KG	0.42 U	0.34 U	0.34 U	0.37 UJ	0.36 UJ	0.74 UJ	0.4 U	0.38 U	0.4 UJ	0.35 UJ	0.34 UJ	0.47 UJ	0.33 UJ	0.61 UJ	0.48 U	0.78 UJ	0.33 UJ
8141A	2642-71-9	AZINPHOS ETHYL	MG_KG	0.42 U	0.34 U	0.34 U	0.37 U	0.36 U	0.74 U	0.4 U	0.38 U	0.4 U	0.35 U	0.34 U	0.47 U	0.33 UJ	0.61 U	0.48 U	0.78 U	0.33 U
8141A	86-50-0	AZINPHOS METHYL	MG_KG	0.1 U	0.083 U	0.081 U	0.089 U	0.088 U	0.18 U	0.097 U	0.092 U	0.097 U	0.085 U	0.083 U	0.11 U	0.08 U	0.15 U	0.12 U	0.19 U	0.081 U
8141A	35400-43-2	BOLSTAR	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	2921-88-2	CHLORPYRIFOS	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	56-72-4	COUMAPHOS	MG_KG	0.1 U	0.083 U	0.081 U	0.089 U	0.088 U	0.18 U	0.097 U	0.092 U	0.097 U	0.085 U	0.083 U	0.11 U	0.08 UJ	0.15 U	0.12 U	0.19 U	0.081 U
8141A	8065-48-3	DEMETON	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	298-03-3	DEMETON-O	MG_KG	0.29 U	0.24 U	0.23 U	0.26 UJ	0.25 UJ	0.52 UJ	0.28 U	0.26 U	0.28 UJ	0.24 UJ	0.24 UJ	0.33 UJ	0.23 UJ	0.43 UJ	0.33 U	0.54 UJ	0.23 UJ
8141A	126-75-0	DEMETON-S	MG_KG	0.13 UJ	0.1 UJ	0.1 UJ	0.11 UJ	0.11 UJ	0.23 UJ	0.12 U	0.11 UJ	0.12 UJ	0.11 UJ	0.1 UJ	0.14 UJ	0.1 UJ	0.19 UJ	0.14 UJ	0.24 UJ	0.1 UJ
8141A	333-41-5	DIAZINON	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 U	0.4 UJ	0.17 UJ
8141A	62-73-7	DICHLORVOS	MG_KG	0.22 UJ	0.18 UJ	0.17 UJ	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 UJ	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 UJ	0.4 UJ	0.17 UJ
8141A	60-51-5	DIMETHOATE	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 U	0.4 UJ	0.17 UJ
8141A	298-04-4	DISULFOTON	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 U	0.4 UJ	0.17 UJ
8141A	2104-64-5	EPN	MG_KG	0.1 U	0.083 U	0.081 U	0.089 U	0.088 U	0.18 U	0.097 U	0.092 U	0.097 U	0.085 U	0.083 U	0.11 U	0.08 U	0.15 U	0.12 U	0.19 U	0.081 U
8141A	13194-48-4	ETHOPROP	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	52-85-7	FAMPHUR	MG_KG	0.1 U	0.083 U	0.081 U	0.089 U	0.088 U	0.18 U	0.097 U	0.092 U	0.097 U	0.085 U	0.083 U	0.11 U	0.08 UJ	0.15 U	0.12 U	0.19 U	0.081 U
8141A	115-90-2	FENSULFOTHION	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 UJ	0.32 U	0.25 U	0.4 U	0.17 U
8141A	55-38-9	FENTHION	MG_KG	0.42 U	0.34 U	0.34 U	0.37 U	0.36 U	0.74 U	0.4 U	0.38 U	0.4 U	0.35 U	0.34 U	0.47 U	0.33 U	0.61 U	0.48 U	0.78 U	0.33 U
8141A	121-75-5	MALATHION	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	150-50-5	MERPHOS	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	298-00-0	METHYL PARATHION	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 UJ	0.4 U	0.17 U
8141A	7786-34-7	MEVINPHOS	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 U	0.4 UJ	0.17 UJ
8141A	300-76-5	NALED	MG_KG	8.5 U	7 U	6.8 U	7.5 U	7.4 U	15 U	8.2 U	7.7 U	8.2 U	7.1 U	6.9 U	9.5 U	6.7 U	12 U	9.7 U	16 U	6.8 U
8141A	126-68-1	O,O,O-TRIETHYL PHOSPHOROTHIOATE	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 U	0.4 UJ	0.17 UJ
8141A	56-38-2	PARATHION	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	298-02-2	PHORATE	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 UJ	0.4 UJ	0.17 UJ
8141A	732-11-6	PHOSMET	MG_KG	0.85 U	0.7 U	0.68 U	0.75 U	0.74 U	1.5 U	0.82 U	0.77 U	0.82 U	0.71 U	0.69 U	0.95 U	0.67 U	1.2 U	0.97 U	1.6 U	0.68 U
8141A	139-40-2	PROPAZINE	MG_KG	0.42 U	0.34 U	0.34 U	0.37 UJ	0.36 UJ	0.74 UJ	0.4 U	0.38 U	0.4 UJ	0.35 UJ	0.34 UJ	0.47 UJ	0.33 UJ	0.61 UJ	0.48 U	0.78 UJ	0.33 UJ
8141A	34643-46-4	PROTHIOPHOS	MG_KG	0.1 U	0.083 U	0.081 U	0.089 U	0.088 U	0.18 U	0.097 U	0.092 U	0.097 U	0.085 U	0.083 U	0.11 U	0.08 U	0.15 U	0.12 U	0.19 U	0.081 U
8141A	299-84-3	RONNEL	MG_KG	0.42 U	0.34 U	0.34 U	0.37 U	0.36 U	0.74 U	0.4 U	0.38 U	0.4 U	0.35 U	0.34 U	0.47 U	0.33 U	0.61 U	0.48 U	0.78 U	0.33 U
8141A	122-34-9	SIMAZINE	MG_KG	0.85 U	0.7 U	0.68 U	0.75 UJ	0.74 UJ	1.5 UJ	0.82 U	0.77 U	0.82 UJ	0.71 UJ	0.69 UJ	0.95 UJ	0.67 UJ	1.2 UJ	0.97 U	1.6 UJ	0.68 UJ
8141A	3689-24-5	SULFOTEPP	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 U	0.4 UJ	0.17 UJ
8141A	961-11-5	TETRACHLOROVINPHOS (MIXED ISOMERS)	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U
8141A	297-97-2	THIONAZIN	MG_KG	0.22 U	0.18 U	0.17 U	0.19 UJ	0.19 UJ	0.38 UJ	0.21 U	0.19 U	0.21 UJ	0.18 UJ	0.18 UJ	0.24 UJ	0.17 UJ	0.32 UJ	0.25 U	0.4 UJ	0.17 UJ
8141A	327-98-0	TRICHLORONATE	MG_KG	0.22 U	0.18 U	0.17 U	0.19 U	0.19 U	0.38 U	0.21 U	0.19 U	0.21 U	0.18 U	0.18 U	0.24 U	0.17 U	0.32 U	0.25 U	0.4 U	0.17 U

Table E-3-5 Soil Results — Organophosphorus Pesticides

		Sample Location:		E4	E5	E6	F1	F1	F10	F2	F5	F7	G10	G6	G7	G8	G9	H3	H4	H5
		Sample ID:		AOPSE401	AOPSE501	AOPSE601	AOPCF101	AOPSF101	AOPSF1001	AOPSF201	AOPSF501	AOPSF701	AOPSG1001	AOPSG601	AOPSG701	AOPSG801	AOPSG901	AOPSH301	AOPSH401	AOPCH501
		Sample Date:		10/10/2015	10/10/2015	10/12/2015	10/10/2015	10/10/2015	10/11/2015	10/10/2015	10/12/2015	10/12/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:		Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																	
8141A	1912-24-9	ATRAZINE	MG_KG	0.41 UJ	0.35 UJ	0.33 U	0.65 UJ	0.57 UJ	0.68 U	0.35 UJ	0.33 U	0.33 U	0.33 UJ	0.33 UJ	0.35 UJ	0.37 U	0.36 UJ	0.35 U	0.39 U	0.38 U
8141A	2642-71-9	AZINPHOS ETHYL	MG_KG	0.41 U	0.35 U	0.33 U	0.65 U	0.57 U	0.68 U	0.35 U	0.33 U	0.33 U	0.33 U	0.33 U	0.35 U	0.37 U	0.36 U	0.35 U	0.39 U	0.38 U
8141A	86-50-0	AZINPHOS METHYL	MG_KG	0.099 U	0.084 U	0.079 U	0.16 U	0.14 U	0.16 U	0.085 U	0.079 U	0.081 U	0.079 U	0.08 U	0.084 U	0.091 U	0.087 U	0.085 U	0.094 U	0.092 U
8141A	35400-43-2	BOLSTAR	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	2921-88-2	CHLORPYRIFOS	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	56-72-4	COUMAPHOS	MG_KG	0.099 U	0.084 U	0.079 U	0.16 U	0.14 U	0.16 U	0.085 U	0.079 U	0.081 U	0.079 U	0.08 U	0.084 U	0.091 U	0.087 U	0.085 U	0.094 U	0.092 U
8141A	8065-48-3	DEMETON	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	298-03-3	DEMETON-O	MG_KG	0.28 U	0.24 UJ	0.23 U	0.45 UJ	0.4 UJ	0.47 U	0.24 UJ	0.23 U	0.23 U	0.23 UJ	0.23 UJ	0.24 UJ	0.26 U	0.25 UJ	0.25 U	0.27 U	0.26 U
8141A	126-75-0	DEMETON-S	MG_KG	0.12 U	0.1 UJ	0.099 U	0.2 UJ	0.17 UJ	0.21 UJ	0.11 UJ	0.099 U	0.1 U	0.099 UJ	0.1 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.12 U	0.11 U
8141A	333-41-5	DIAZINON	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	62-73-7	DICHLORVOS	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 UJ	0.18 UJ	0.18 UJ	0.2 UJ	0.2 UJ
8141A	60-51-5	DIMETHOATE	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	298-04-4	DISULFOTON	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	2104-64-5	EPN	MG_KG	0.099 U	0.084 U	0.079 U	0.16 U	0.14 U	0.16 U	0.085 U	0.079 U	0.081 U	0.079 U	0.08 U	0.084 U	0.091 U	0.087 U	0.085 U	0.094 U	0.092 U
8141A	13194-48-4	ETHOPROP	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	52-85-7	FAMPHUR	MG_KG	0.099 U	0.084 U	0.079 U	0.16 U	0.14 U	0.16 U	0.085 U	0.079 U	0.081 U	0.079 U	0.08 U	0.084 U	0.091 U	0.087 U	0.085 U	0.094 U	0.092 U
8141A	115-90-2	FENSULFOTHION	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	55-38-9	FENTHION	MG_KG	0.41 U	0.35 U	0.33 U	0.65 U	0.57 U	0.68 U	0.35 U	0.33 U	0.33 U	0.33 U	0.33 U	0.35 U	0.37 U	0.36 U	0.35 U	0.39 U	0.38 U
8141A	121-75-5	MALATHION	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	150-50-5	MERPHOS	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	298-00-0	METHYL PARATHION	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	7786-34-7	MEVINPHOS	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	300-76-5	NALED	MG_KG	8.3 U	7 U	6.6 U	13 U	12 U	14 U	7.1 U	6.6 U	6.8 U	6.6 U	6.7 U	7.1 U	7.6 U	7.3 U	7.1 U	7.8 U	7.7 U
8141A	126-68-1	O,O,O-TRIETHYL PHOSPHOROTHIOATE	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	56-38-2	PARATHION	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	298-02-2	PHORATE	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	732-11-6	PHOSMET	MG_KG	0.83 U	0.7 U	0.66 U	1.3 U	1.2 U	1.4 U	0.71 U	0.66 U	0.68 U	0.66 U	0.67 U	0.71 U	0.76 U	0.73 U	0.71 U	0.78 U	0.77 U
8141A	139-40-2	PROPAZINE	MG_KG	0.41 U	0.35 UJ	0.33 U	0.65 UJ	0.57 UJ	0.68 U	0.35 UJ	0.33 U	0.33 U	0.33 UJ	0.33 UJ	0.35 UJ	0.37 U	0.36 UJ	0.35 UJ	0.39 U	0.38 U
8141A	34643-46-4	PROTHIOPHOS	MG_KG	0.099 U	0.084 U	0.079 U	0.16 U	0.14 U	0.16 U	0.085 U	0.079 U	0.081 U	0.079 U	0.08 U	0.084 U	0.091 U	0.087 U	0.085 U	0.094 U	0.092 U
8141A	299-84-3	RONNEL	MG_KG	0.41 U	0.35 U	0.33 U	0.65 U	0.57 U	0.68 U	0.35 U	0.33 U	0.33 U	0.33 U	0.33 U	0.35 U	0.37 U	0.36 U	0.35 U	0.39 U	0.38 U
8141A	122-34-9	SIMAZINE	MG_KG	0.83 U	0.7 UJ	0.66 U	1.3 UJ	1.2 UJ	1.4 U	0.71 UJ	0.66 U	0.68 U	0.66 UJ	0.67 UJ	0.71 UJ	0.76 U	0.73 UJ	0.71 U	0.78 U	0.77 U
8141A	3689-24-5	SULFOTEPP	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	961-11-5	TETRACHLOROVINPHOS (MIXED ISOMERS)	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U
8141A	297-97-2	THIONAZIN	MG_KG	0.21 U	0.18 UJ	0.17 U	0.34 UJ	0.29 UJ	0.35 U	0.18 UJ	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.18 UJ	0.19 U	0.18 UJ	0.18 U	0.2 U	0.2 U
8141A	327-98-0	TRICHLORONATE	MG_KG	0.21 U	0.18 U	0.17 U	0.34 U	0.29 U	0.35 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U

Table E-3-5 Soil Results — Organophosphorus Pesticides

		Sample Location:		H5	J10	J2	K1	K10	K10	K2	K3	K5	K9	L10	L2	L3	L3	L4	L5	L6
		Sample ID:		AOPSH501	AOPSJ1001	AOPSJ201	AOPSK101	AOPCK1001	AOPSK1001	AOPSK201	AOPSK301	AOPSK501	AOPSK901	AOPSL1001	AOPSL201	AOPCL301	AOPSL301	AOPSL401	AOPSL501	AOPSL601
		Sample Date:		10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:		Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																	
8141A	1912-24-9	ATRAZINE	MG_KG	0.38 U	0.31 U	0.36 U	0.35 U	0.35 U	0.35 U	0.36 U	0.34 U	0.49 U	0.48 U	0.36 U	0.38 U	0.33 U	0.34 U	0.39 U	0.36 U	0.39 U
8141A	2642-71-9	AZINPHOS ETHYL	MG_KG	0.38 U	0.31 U	0.36 U	0.35 U	0.35 U	0.35 U	0.36 U	0.34 U	0.49 U	0.48 U	0.36 U	0.38 U	0.33 U	0.34 U	0.39 U	0.36 U	0.39 U
8141A	86-50-0	AZINPHOS METHYL	MG_KG	0.092 U	0.075 U	0.088 U	0.084 U	0.084 U	0.084 U	0.088 U	0.083 U	0.12 U	0.12 U	0.088 U	0.091 U	0.081 U	0.082 U	0.096 U	0.086 U	0.094 U
8141A	35400-43-2	BOLSTAR	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	2921-88-2	CHLORPYRIFOS	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	56-72-4	COUMAPHOS	MG_KG	0.092 U	0.075 U	0.088 U	0.084 UJ	0.084 U	0.084 U	0.088 UJ	0.083 UJ	0.12 U	0.12 U	0.088 U	0.091 U	0.081 U	0.082 U	0.096 U	0.086 U	0.094 U
8141A	8065-48-3	DEMETON	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	298-03-3	DEMETON-O	MG_KG	0.27 U	0.21 U	0.25 U	0.24 U	0.24 U	0.24 U	0.25 U	0.24 U	0.34 U	0.33 U	0.25 U	0.26 U	0.23 U	0.24 U	0.28 U	0.25 U	0.27 U
8141A	126-75-0	DEMETON-S	MG_KG	0.12 U	0.093 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.15 U	0.14 U	0.11 U	0.11 U	0.1 U	0.1 U	0.12 U	0.11 U	0.12 U
8141A	333-41-5	DIAZINON	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	62-73-7	DICHLORVOS	MG_KG	0.2 UJ	0.16 UJ	0.19 UJ	0.18 UJ	0.18 UJ	0.18 UJ	0.19 UJ	0.18 UJ	0.25 UJ	0.25 UJ	0.19 U	0.19 U	0.17 UJ	0.17 UJ	0.2 UJ	0.18 UJ	0.2 UJ
8141A	60-51-5	DIMETHOATE	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	298-04-4	DISULFOTON	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	2104-64-5	EPN	MG_KG	0.092 U	0.075 U	0.088 U	0.084 U	0.084 U	0.084 U	0.088 U	0.083 U	0.12 U	0.12 U	0.088 U	0.091 U	0.081 U	0.082 U	0.096 U	0.086 U	0.094 U
8141A	13194-48-4	ETHOPROP	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	52-85-7	FAMPHUR	MG_KG	0.092 U	0.075 U	0.088 U	0.084 U	0.084 U	0.084 U	0.088 U	0.083 U	0.12 U	0.12 U	0.088 U	0.091 U	0.081 U	0.082 U	0.096 U	0.086 U	0.094 U
8141A	115-90-2	FENSULFOTHION	MG_KG	0.2 U	0.16 U	0.19 U	0.18 UJ	0.18 U	0.18 U	0.19 UJ	0.18 UJ	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	55-38-9	FENTHION	MG_KG	0.38 U	0.31 U	0.36 U	0.35 U	0.35 U	0.35 U	0.36 U	0.34 U	0.49 U	0.48 U	0.36 U	0.38 U	0.33 U	0.34 U	0.39 U	0.36 U	0.39 U
8141A	121-75-5	MALATHION	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	150-50-5	MERPHOS	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	298-00-0	METHYL PARATHION	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	7786-34-7	MEVINPHOS	MG_KG	0.2 U	0.16 U	0.19 U	0.18 UJ	0.18 U	0.18 U	0.19 UJ	0.18 UJ	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	300-76-5	NALED	MG_KG	7.7 U	6.3 U	7.4 U	7 U	7 U	7 U	7.4 UJ	6.9 UJ	0.099 UJ	9.7 UJ	7.4 U	7.7 U	6.8 U	6.9 U	8 U	7.2 U	7.9 U
8141A	126-68-1	O,O,O-TRIETHYL PHOSPHOROTHIOATE	MG_KG	0.2 U	0.16 U	0.19 U	0.18 UJ	0.18 U	0.18 U	0.19 UJ	0.18 UJ	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	56-38-2	PARATHION	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	298-02-2	PHORATE	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	732-11-6	PHOSMET	MG_KG	0.77 U	0.63 U	0.74 U	0.7 U	0.7 U	0.7 U	0.74 U	0.69 U	0.99 U	0.97 U	0.74 U	0.77 U	0.68 U	0.69 U	0.8 U	0.72 U	0.79 U
8141A	139-40-2	PROPAZINE	MG_KG	0.38 U	0.31 U	0.36 U	0.35 U	0.35 U	0.35 U	0.36 U	0.34 U	0.49 U	0.48 U	0.36 U	0.38 U	0.33 U	0.34 U	0.39 U	0.36 U	0.39 U
8141A	34643-46-4	PROTHIOPHOS	MG_KG	0.092 U	0.075 U	0.088 U	0.084 U	0.084 U	0.084 U	0.088 U	0.083 U	0.12 U	0.12 U	0.088 U	0.091 U	0.081 U	0.082 U	0.096 U	0.086 U	0.094 U
8141A	299-84-3	RONNEL	MG_KG	0.38 U	0.31 U	0.36 U	0.35 U	0.35 U	0.35 U	0.36 U	0.34 U	0.49 U	0.48 U	0.36 U	0.38 U	0.33 U	0.34 U	0.39 U	0.36 U	0.39 U
8141A	122-34-9	SIMAZINE	MG_KG	0.77 U	0.63 U	0.74 U	0.7 U	0.7 U	0.7 U	0.74 U	0.69 U	0.99 U	0.97 U	0.74 U	0.77 U	0.68 U	0.69 U	0.8 U	0.72 U	0.79 U
8141A	3689-24-5	SULFOTEPP	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	961-11-5	TETRACHLOROVINPHOS (MIXED ISOMERS)	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	297-97-2	THIONAZIN	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U
8141A	327-98-0	TRICHLORONATE	MG_KG	0.2 U	0.16 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.25 U	0.25 U	0.19 U	0.19 U	0.17 U	0.17 U	0.2 U	0.18 U	0.2 U

Table E-3-5 Soil Results — Organophosphorus Pesticides

		Sample Location:	L7	L8	L9	M10	M2	M3	M4	M5	M6	M7	M8	M8	M9	N3	N4
		Sample ID:	AOPSL701	AOPSL801	AOPSL901	AOPSM1001	AOPSM201	AOPSM301	AOPSM401	AOPSM501	AOPSM601	AOPSM701	AOPCM801	AOPSM801	AOPSM901	AOPSN301	AOPSN401
		Sample Date:	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Duplicate	Normal	Normal	Normal	Normal
		Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**														
8141A	1912-24-9	ATRAZINE	MG_KG	0.39 U	0.36 U	0.38 U	0.35 U	0.38 U	0.35 UJ	0.38 U	0.37 U	0.34 U	0.38 U	0.41 UJ	0.41 U	0.36 U	0.35 U	0.44 U
8141A	2642-71-9	AZINPHOS ETHYL	MG_KG	0.39 U	0.36 U	0.38 U	0.35 U	0.38 U	0.35 U	0.38 U	0.37 U	0.34 U	0.38 U	0.41 UJ	0.41 U	0.36 U	0.35 U	0.44 UJ
8141A	86-50-0	AZINPHOS METHYL	MG_KG	0.093 U	0.086 U	0.092 U	0.086 U	0.092 U	0.085 U	0.092 U	0.09 U	0.082 U	0.093 U	0.1 UJ	0.098 U	0.087 U	0.084 U	0.11 U
8141A	35400-43-2	BOLSTAR	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	2921-88-2	CHLORPYRIFOS	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	56-72-4	COUMAPHOS	MG_KG	0.093 U	0.086 U	0.092 U	0.086 U	0.092 U	0.085 U	0.092 U	0.09 U	0.082 U	0.093 U	0.1 UJ	0.098 U	0.087 U	0.084 U	0.11 U
8141A	8065-48-3	DEMETON	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	298-03-3	DEMETON-O	MG_KG	0.27 U	0.25 U	0.27 U	0.25 U	0.26 U	0.24 U	0.27 U	0.26 U	0.24 U	0.27 U	0.29 UJ	0.28 U	0.25 U	0.24 U	0.3 U
8141A	126-75-0	DEMETON-S	MG_KG	0.12 U	0.11 U	0.12 U	0.11 U	0.12 U	0.11 U	0.12 U	0.11 U	0.1 UJ	0.12 U	0.13 UJ	0.12 UJ	0.11 U	0.1 U	0.13 U
8141A	333-41-5	DIAZINON	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	62-73-7	DICHLORVOS	MG_KG	0.2 UJ	0.18 UJ	0.2 UJ	0.18 UJ	0.2 U	0.18 U	0.2 UJ	0.19 U	0.17 UJ	0.2 UJ	0.21 UJ	0.21 UJ	0.18 UJ	0.18 U	0.22 U
8141A	60-51-5	DIMETHOATE	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	298-04-4	DISULFOTON	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	2104-64-5	EPN	MG_KG	0.093 U	0.086 U	0.092 U	0.086 U	0.092 U	0.085 U	0.092 U	0.09 U	0.082 U	0.093 U	0.1 UJ	0.098 U	0.087 U	0.084 U	0.11 U
8141A	13194-48-4	ETHOPROP	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	52-85-7	FAMPHUR	MG_KG	0.093 U	0.086 U	0.092 U	0.086 U	0.092 U	0.085 U	0.092 U	0.09 U	0.082 U	0.093 U	0.1 UJ	0.098 U	0.087 U	0.084 U	0.11 U
8141A	115-90-2	FENSULFOTHION	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 UJ
8141A	55-38-9	FENTHION	MG_KG	0.39 U	0.36 U	0.38 U	0.35 U	0.38 U	0.35 U	0.38 U	0.37 U	0.34 U	0.38 U	0.41 UJ	0.41 U	0.36 U	0.35 U	0.44 U
8141A	121-75-5	MALATHION	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	150-50-5	MERPHOS	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	298-00-0	METHYL PARATHION	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	7786-34-7	MEVINPHOS	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	300-76-5	NALED	MG_KG	7.8 U	7.2 UJ	7.7 UJ	7.2 UJ	7.7 U	7.1 U	7.7 U	7.6 U	6.9 UJ	7.8 UJ	8.4 UJ	8.2 UJ	7.3 UJ	7 U	8.9 U
8141A	126-68-1	O,O,O-TRIETHYL PHOSPHOROTHIOATE	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 UJ
8141A	56-38-2	PARATHION	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	298-02-2	PHORATE	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	732-11-6	PHOSMET	MG_KG	0.78 U	0.72 U	0.77 U	0.72 U	0.77 U	0.71 U	0.77 U	0.76 U	0.69 U	0.78 U	0.84 UJ	0.82 U	0.73 U	0.7 U	0.89 U
8141A	139-40-2	PROPAZINE	MG_KG	0.39 U	0.36 U	0.38 U	0.35 U	0.38 U	0.35 U	0.38 U	0.37 U	0.34 U	0.38 U	0.41 UJ	0.41 U	0.36 U	0.35 U	0.44 U
8141A	34643-46-4	PROTHIOPHOS	MG_KG	0.093 U	0.086 U	0.092 U	0.086 U	0.092 U	0.085 U	0.092 U	0.09 U	0.082 U	0.093 U	0.1 UJ	0.098 U	0.087 U	0.084 U	0.11 U
8141A	299-84-3	RONNEL	MG_KG	0.39 U	0.36 U	0.38 U	0.35 U	0.38 U	0.35 U	0.38 U	0.37 U	0.34 U	0.38 U	0.41 UJ	0.41 U	0.36 U	0.35 U	0.44 U
8141A	122-34-9	SIMAZINE	MG_KG	0.78 U	0.72 U	0.77 U	0.72 U	0.77 U	0.71 U	0.77 U	0.76 U	0.69 U	0.78 U	0.84 UJ	0.82 U	0.73 U	0.7 U	0.89 U
8141A	3689-24-5	SULFOTEPP	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	961-11-5	TETRACHLOROVINPHOS (MIXED ISOMERS)	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	297-97-2	THIONAZIN	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U
8141A	327-98-0	TRICHLORONATE	MG_KG	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U	0.2 U	0.19 U	0.17 U	0.2 U	0.21 UJ	0.21 U	0.18 U	0.18 U	0.22 U

Table E-3-6 Soil Results — Pesticides-PCBs

		Sample Location:		A6	B5	B7	C4	C7	C8	C9	C9	D10	D3	D4	D5	D7	D8	D9	E2	E3	E4	E5
		Sample ID:		AOPSA601	AOPSB501	AOPSB701	AOPSC401	AOPSC701	AOPSC801	AOPCC901	AOPSC901	AOPSD1001	AOPSD301	AOPSD401	AOPSD501	AOPSD701	AOPSD801	AOPSD901	AOPSE201	AOPSE301	AOPSE401	AOPSE501
		Sample Date:		10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/11/2015	10/11/2015	10/11/2015	10/10/2015	10/10/2015	10/10/2015	10/10/2015
		Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	FD	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																			
8081B	72-54-8	4,4-DDD	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	72-55-9	4,4-DDE	MG_KG	**0.16 J**	0.059 U	**0.0071 J**	**0.013 J**	**0.012 J**	**0.038 J**	**0.11 J**	**0.11 J**	**0.42**	**0.065 J**	0.011 U	**0.017 J**	**0.0094 J**	**0.016 J**	**0.16 J**	**0.018 J**	**0.0069 J**	0.0014 U	**0.037 J**
8081B	50-29-3	4,4-DDT	MG_KG	**0.063 J**	0.079 U	**0.0057 J**	0.015 U	0.015 U	**0.056 J**	0.092 U	0.09 U	**0.18**	0.027 U	0.014 U	**0.0095 J**	0.014 U	**0.012 J**	**0.081 J**	**0.0088 J**	0.014 U	0.0019 U	**0.03 J**
8081B	309-00-2	ALDRIN	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	319-84-6	ALPHA-BHC	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	5103-71-9	ALPHA-CHLORDANE	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	**0.0055 J**	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	12674-11-2	AROCLOR-1016	MG_KG	2.3 U	3.6 U	0.38 U	0.67 U	0.67 U	1.3 U	4.2 U	4.1 U	1.4 U	1.3 U	0.66 U	0.9 U	0.63 U	1.1 U	5.1 U	0.72 U	0.63 U	0.086 U	1.2 U
8081B	11104-28-2	AROCLOR-1221	MG_KG	3 U	4.7 U	0.5 U	0.88 U	0.87 U	1.7 U	5.5 U	5.4 U	1.8 U	1.6 U	0.85 U	1.2 U	0.82 U	1.4 U	6.7 U	0.94 U	0.82 U	0.11 U	1.6 U
8081B	11141-16-5	AROCLOR-1232	MG_KG	1.3 U	2.1 U	0.22 U	0.38 U	0.38 U	0.75 U	2.4 U	2.3 U	0.79 U	0.71 U	0.37 U	0.51 U	0.35 U	0.61 U	2.9 U	0.41 U	0.35 U	0.049 UJ	0.69 U
8081B	53469-21-9	AROCLOR-1242	MG_KG	1.3 U	2.1 U	0.22 U	0.38 U	0.38 U	0.75 U	2.4 U	2.3 U	0.79 U	0.71 U	0.37 U	0.51 U	0.35 U	0.61 U	2.9 U	0.41 U	0.35 U	0.049 U	0.69 U
8081B	12672-29-6	AROCLOR-1248	MG_KG	2 U	3.2 U	0.33 U	0.58 U	0.58 U	1.2 U	3.7 U	3.6 U	1.2 U	1.1 U	0.57 U	0.78 U	0.55 U	0.94 U	4.5 U	0.63 U	0.54 U	0.075 U	1.1 U
8081B	11097-69-1	AROCLOR-1254	MG_KG	3 U	4.7 U	0.5 U	0.88 U	0.87 U	1.7 U	5.5 U	5.4 U	1.8 U	1.6 U	0.85 U	1.2 U	0.82 U	1.4 U	6.7 U	0.94 U	0.82 U	0.11 U	1.6 U
8081B	11096-82-5	AROCLOR-1260	MG_KG	2.3 U	3.6 U	0.38 U	0.67 U	0.67 U	1.3 U	4.2 U	4.1 U	1.4 U	1.3 U	0.66 U	0.9 U	0.63 U	1.1 U	5.1 U	0.72 U	0.63 U	0.086 U	1.2 U
8081B	319-85-7	BETA-BHC	MG_KG	0.072 U	0.12 U	0.012 U	0.021 U	0.021 U	0.042 U	0.13 U	0.13 U	0.045 U	0.04 U	0.021 U	0.029 U	0.02 U	0.034 U	0.16 UJ	0.023 U	0.02 U	0.0027 U	0.039 U
8081B	57-74-9	CHLORDANE	MG_KG	0.67 UJ	1.1 UJ	0.11 UJ	0.2 UJ	0.19 UJ	0.39 UJ	1.2 UJ	1.2 UJ	0.41 UJ	0.37 UJ	0.19 UJ	0.26 UJ	0.18 UJ	0.32 UJ	1.5 UJ	0.21 UJ	0.18 UJ	0.025 UJ	0.36 UJ
8081B	510-15-6	CHLOROBENZILATE	MG_KG	5.8 UJ	9.2 UJ	0.96 UJ	1.7 UJ	1.7 UJ	3.4 UJ	11 UJ	10 UJ	3.5 UJ	3.2 UJ	1.7 UJ	2.3 UJ	1.6 UJ	2.7 UJ	13 UJ	1.8 UJ	1.6 UJ	0.22 UJ	3.1 UJ
8081B	319-86-8	DELTA-BHC	MG_KG	0.05 U	0.079 U	0.0083 U	0.015 UJ	0.015 UJ	0.029 UJ	0.092 U	0.09 U	0.03 UJ	0.027 UJ	0.014 UJ	0.02 UJ	0.014 UJ	0.024 UJ	0.11 UJ	0.016 UJ	0.014 UJ	0.0019 U	0.027 UJ
8081B	60-57-1	DIELDRIN	MG_KG	**0.029 J**	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	959-98-8	ENDOSULFAN I	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	33213-65-9	ENDOSULFAN II	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	1031-07-8	ENDOSULFAN SULFATE	MG_KG	0.05 U	0.079 U	0.0083 U	0.015 U	0.015 U	0.029 U	0.092 U	0.09 U	0.03 U	0.027 U	0.014 U	0.02 U	0.014 U	0.024 U	0.11 UJ	0.016 U	0.014 U	0.0019 U	0.027 U
8081B	72-20-8	ENDRIN	MG_KG	0.05 U	0.079 U	0.0083 U	0.015 U	0.015 U	0.029 U	0.092 U	0.09 U	0.03 U	0.027 U	0.014 U	0.02 U	0.014 U	0.024 U	0.11 UJ	0.016 U	0.014 U	0.0019 U	0.027 U
8081B	7421-93-4	ENDRIN ALDEHYDE	MG_KG	0.05 U	0.079 U	0.0083 U	0.015 U	0.015 U	0.029 U	0.092 U	0.09 U	0.03 U	0.027 U	0.014 U	0.02 U	0.014 U	0.024 U	0.11 UJ	0.016 U	0.014 U	0.0019 U	0.027 U
8081B	53494-70-5	ENDRIN KETONE	MG_KG	0.05 U	0.079 U	0.0083 U	0.015 U	0.015 UJ	0.029 UJ	0.092 U	0.09 U	0.03 UJ	0.027 U	0.014 U	0.02 U	0.014 UJ	0.024 UJ	0.11 UJ	0.016 U	0.014 U	0.0019 U	0.027 U
8081B	5566-34-7	GAMMA-CHLORDANE	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	76-44-8	HEPTACHLOR	MG_KG	0.05 U	0.079 U	0.0083 U	0.015 U	0.015 U	0.029 U	0.092 U	0.09 U	0.03 U	0.027 U	0.014 U	0.02 U	0.014 U	0.024 U	0.11 UJ	0.016 U	0.014 U	0.0019 U	0.027 U
8081B	1024-57-3	HEPTACHLOR EPOXIDE	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	465-73-6	ISODRIN	MG_KG	0.091 U	0.15 U	0.015 U	0.027 U	0.027 UJ	0.053 UJ	0.17 U	0.17 U	0.056 UJ	0.05 U	0.026 U	0.036 U	0.025 UJ	0.043 UJ	0.21 U	0.029 U	0.025 U	0.0035 U	0.049 U
8081B	143-50-0	KEPONE	MG_KG	3.5 UJ	5.5 UJ	0.58 UJ	1 UJ	1 UJ	2 UJ	6.4 UJ	6.3 UJ	2.1 UJ	1.9 UJ	1 UJ	1.4 UJ	0.96 UJ	1.6 UJ	7.8 UJ	1.1 UJ	0.95 UJ	0.13 UJ	1.9 UJ
8081B	58-89-9	LINDANE	MG_KG	0.037 U	0.059 U	0.0061 U	0.011 U	0.011 U	0.021 U	0.068 U	0.066 U	0.023 U	0.02 U	0.011 U	0.014 U	0.01 U	0.017 U	0.083 UJ	0.012 U	0.01 U	0.0014 U	0.02 U
8081B	72-43-5	METHOXYCHLOR	MG_KG	0.072 U	0.12 U	0.012 U	0.021 U	0.021 U	0.042 U	0.13 U	0.13 U	0.045 U	0.04 U	0.021 U	0.029 U	0.02 U	0.034 U	0.16 UJ	0.023 U	0.02 U	0.0027 U	0.039 U
8081B	8001-35-2	TOXAPHENE	MG_KG	1.3 UJ	2.1 UJ	0.22 UJ	0.38 UJ	0.38 UJ	0.75 UJ	2.4 UJ	2.3 UJ	0.79 UJ	0.71 UJ	0.37 UJ	0.51 UJ	0.35 UJ	0.61 UJ	2.9 UJ	0.41 UJ	0.35 UJ	0.049 UJ	0.69 UJ

Table E-3-6 Soil Results — Pesticides-PCBs

		Sample Location:		E6	F1	F1	F10	F2	F5	F7	G10	G6	G7	G8	G9	H3	H4	H5	H5	J10	J2	K1
		Sample ID:		AOPSE601	AOPCF101	AOPSF101	AOPSF1001	AOPSF201	AOPSF501	AOPSF701	AOPSG1001	AOPSG601	AOPSG701	AOPSG801	AOPSG901	AOPSH301	AOPSH401	AOPCH501	AOPSH501	AOPSJ1001	AOPSJ201	AOPSK101
		Sample Date:		10/12/2015	10/10/2015	10/10/2015	10/11/2015	10/10/2015	10/12/2015	10/12/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:		Normal	FD	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	FD	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																			
8081B	72-54-8	4,4-DDD	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 UJ	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	72-55-9	4,4-DDE	MG_KG	**0.0071 J**	**0.087 J**	**0.14 J**	**0.35**	**0.23**	**0.013 J**	0.011 U	**0.08**	**0.017 J**	0.02 U	0.069 U	**0.064**	**0.0017 J**	0.0066 U	**0.016 J**	**0.016 J**	**0.18 J**	**0.02 J**	**0.12**
8081B	50-29-3	4,4-DDT	MG_KG	**0.0072 J**	**0.06 J**	**0.1 J**	**0.059 J**	**0.11**	0.016 UJ	0.015 UJ	**0.022 J**	**0.012 J**	0.027 U	0.094 U	**0.026 J**	**0.0014 J**	0.009 U	**0.0099 J**	**0.0094 J**	**0.049 J**	0.0084 U	**0.033 J**
8081B	309-00-2	ALDRIN	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	319-84-6	ALPHA-BHC	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	5103-71-9	ALPHA-CHLORDANE	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	12674-11-2	AROCLOR-1016	MG_KG	0.69 U	2.3 U	2 UJ	1.2 U	1.2 U	0.74 U	0.69 U	0.62 U	1.2 U	1.2 U	4.3 U	0.67 U	0.08 U	0.41 U	0.81 U	0.78 U	3.6 U	0.39 U	0.38 U
8081B	11104-28-2	AROCLOR-1221	MG_KG	0.89 U	3 U	2.7 U	1.6 U	1.6 U	0.96 U	0.9 U	0.81 U	1.5 U	1.6 U	5.6 U	0.87 U	0.1 U	0.54 U	1.1 U	1 U	4.6 U	0.5 U	0.49 U
8081B	11141-16-5	AROCLOR-1232	MG_KG	0.39 U	1.3 U	1.2 U	0.7 U	0.7 U	0.42 U	0.39 U	0.35 U	0.65 U	0.69 U	2.4 U	0.38 U	0.045 UJ	0.23 U	0.46 U	0.44 U	2 U	0.22 U	0.21 U
8081B	53469-21-9	AROCLOR-1242	MG_KG	0.39 U	1.3 U	1.2 U	0.7 U	0.7 U	0.42 U	0.39 U	0.35 U	0.65 U	0.69 U	2.4 U	0.38 U	0.045 U	0.23 U	0.46 U	0.44 U	2 U	0.22 U	0.21 U
8081B	12672-29-6	AROCLOR-1248	MG_KG	0.6 U	2 U	1.8 U	1.1 U	1.1 U	0.64 U	0.6 U	0.54 U	1 U	1.1 U	3.7 U	0.58 U	0.07 U	0.36 U	0.7 U	0.68 U	3.1 U	0.34 U	0.33 U
8081B	11097-69-1	AROCLOR-1254	MG_KG	0.89 U	3 U	2.7 U	1.6 U	1.6 U	0.96 U	0.9 U	0.81 U	1.5 U	1.6 U	5.6 U	0.87 U	0.1 U	0.54 U	1.1 U	1 U	4.6 U	0.5 U	0.49 U
8081B	11096-82-5	AROCLOR-1260	MG_KG	0.69 U	2.3 U	2 UJ	1.2 U	1.2 U	0.74 U	0.69 U	0.62 U	1.2 U	1.2 U	4.3 U	0.67 U	0.08 U	0.41 U	0.81 U	0.78 U	3.6 U	0.39 U	0.38 U
8081B	319-85-7	BETA-BHC	MG_KG	0.022 U	0.073 U	0.065 U	0.039 U	0.039 U	0.023 U	0.022 U	0.02 U	0.037 U	0.039 U	0.14 U	0.021 U	0.0025 U	0.013 U	0.026 U	0.025 U	0.11 U	0.012 U	0.012 U
8081B	57-74-9	CHLORDANE	MG_KG	0.2 UJ	0.67 UJ	0.6 UJ	0.36 UJ	0.36 UJ	0.21 UJ	0.2 UJ	0.18 UJ	0.34 UJ	0.36 UJ	1.3 UJ	0.19 UJ	0.023 UJ	0.12 UJ	0.24 UJ	0.23 UJ	1 UJ	0.11 UJ	0.11 UJ
8081B	510-15-6	CHLOROBENZILATE	MG_KG	1.7 UJ	5.8 UJ	5.2 UJ	3.1 UJ	3.1 UJ	1.9 UJ	1.7 UJ	1.6 UJ	2.9 UJ	3.1 UJ	11 UJ	1.7 UJ	0.2 UJ	1 UJ	2 UJ	2 UJ	9 UJ	0.98 UJ	0.95 UJ
8081B	319-86-8	DELTA-BHC	MG_KG	0.015 U	0.05 UJ	0.044 UJ	0.027 UJ	0.027 UJ	0.016 U	0.015 U	0.013 UJ	0.025 UJ	0.027 UJ	0.094 U	0.014 UJ	0.0017 U	0.009 U	0.018 U	0.017 U	0.077 U	0.0084 U	0.0082 U
8081B	60-57-1	DIELDRIN	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	959-98-8	ENDOSULFAN I	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	33213-65-9	ENDOSULFAN II	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	1031-07-8	ENDOSULFAN SULFATE	MG_KG	0.015 U	0.05 U	0.044 U	0.027 U	0.027 U	0.016 U	0.015 U	0.013 U	0.025 U	0.027 U	0.094 U	0.014 U	0.0017 U	0.009 U	0.018 U	0.017 U	0.077 U	0.0084 U	0.0082 U
8081B	72-20-8	ENDRIN	MG_KG	0.015 U	0.05 U	0.044 U	0.027 U	0.027 U	0.016 U	0.015 U	0.013 U	0.025 U	0.027 U	0.094 U	0.014 U	0.0017 U	0.009 U	0.018 U	0.017 U	0.077 U	0.0084 U	0.0082 U
8081B	7421-93-4	ENDRIN ALDEHYDE	MG_KG	0.015 U	0.05 U	0.044 U	0.027 U	0.027 U	0.016 U	0.015 U	0.013 U	0.025 U	0.027 U	0.094 U	0.014 U	0.0017 U	0.009 U	0.018 U	0.017 U	0.077 U	0.0084 U	0.0082 U
8081B	53494-70-5	ENDRIN KETONE	MG_KG	0.015 U	0.05 U	0.044 U	0.027 UJ	0.027 U	0.016 U	0.015 U	0.013 UJ	0.025 UJ	0.027 UJ	0.094 U	0.014 UJ	0.0017 U	0.009 U	0.018 U	0.017 U	0.077 U	0.0084 U	0.0082 U
8081B	5566-34-7	GAMMA-CHLORDANE	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	76-44-8	HEPTACHLOR	MG_KG	0.015 U	0.05 U	0.044 U	0.027 U	0.027 U	0.016 U	0.015 U	0.013 U	0.025 U	0.027 U	0.094 U	0.014 U	0.0017 U	0.009 U	0.018 U	0.017 U	0.077 U	0.0084 U	0.0082 U
8081B	1024-57-3	HEPTACHLOR EPOXIDE	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	465-73-6	ISODRIN	MG_KG	0.027 U	0.092 U	0.082 U	0.049 UJ	0.05 U	0.029 U	0.027 U	0.025 UJ	0.046 UJ	0.049 UJ	0.17 U	0.027 UJ	0.0032 U	0.017 U	0.032 U	0.031 U	0.14 U	0.015 U	0.015 U
8081B	143-50-0	KEPONE	MG_KG	1 UJ	3.5 UJ	3.1 UJ	1.9 UJ	1.9 UJ	1.1 UJ	1 UJ	0.94 UJ	1.8 UJ	1.9 UJ	6.5 UJ	1 UJ	0.12 UJ	0.63 UJ	1.2 UJ	1.2 UJ	5.4 UJ	0.59 UJ	0.58 UJ
8081B	58-89-9	LINDANE	MG_KG	0.011 U	0.037 U	0.033 U	0.02 U	0.02 U	0.012 U	0.011 U	0.01 U	0.019 U	0.02 U	0.069 U	0.011 U	0.0013 U	0.0066 U	0.013 U	0.013 U	0.057 U	0.0062 U	0.0061 U
8081B	72-43-5	METHOXYCHLOR	MG_KG	0.022 U	0.073 U	0.065 U	0.039 U	0.039 U	0.023 U	0.022 U	0.02 U	0.037 U	0.039 U	0.14 U	0.021 U	0.0025 UJ	0.013 U	0.026 U	0.025 U	0.11 U	0.012 U	0.012 U
8081B	8001-35-2	TOXAPHENE	MG_KG	0.39 UJ	1.3 UJ	1.2 UJ	0.7 UJ	0.7 UJ	0.42 UJ	0.39 UJ	0.35 UJ	0.65 UJ	0.69 UJ	2.4 UJ	0.38 UJ	0.045 UJ	0.23 UJ	0.46 UJ	0.44 UJ	2 UJ	0.22 UJ	0.21 UJ

Table E-3-6 Soil Results — Pesticides-PCBs

		Sample Location:	K10	K10	K2	K3	K5	K9	L10	L2	L3	L3	L4	L5	L6	L7	L8	L9	M10	M2	M3
		Sample ID:	AOPCK1001	AOPSK1001	AOPSK201	AOPSK301	AOPSK501	AOPSK901	AOPSL1001	AOPSL201	AOPCL301	AOPSL301	AOPSL401	AOPSL501	AOPSL601	AOPSL701	AOPSL801	AOPSL901	AOPSM1001	AOPSM201	AOPSM301
		Sample Date:	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:	FD	Normal	Normal	Normal	Normal	Normal	Normal	Normal	FD	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
		Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**																		
8081B	72-54-8	4,4-DDD	MG_KG	**0.081 J**	**0.082 J**	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 UJ	0.0065 U	0.0014 UJ	0.0013 UJ	0.014 U	0.0014 UJ	0.0013 U	0.0013 U	0.0013 U	**0.015 J**	0.0063 U
8081B	72-55-9	4,4-DDE	MG_KG	**13**	**16**	**0.0099 J**	**0.034**	0.017 U	**0.089**	**0.0049 J**	**0.0041 J**	**0.0023 J**	0.0065 U	**0.0038 J**	**0.06**	**0.097**	**0.1**	**0.0026 J**	**0.0024 J**	**0.051**	**1.5**	**0.05**
8081B	50-29-3	4,4-DDT	MG_KG	**0.59 J**	**0.66 J**	0.0081 U	**0.013 J**	0.023 UJ	**0.027 J**	**0.0049 J**	0.009 U	**0.0033 J**	0.0087 UJ	**0.0041 J**	**0.01 J**	**0.028 J**	**0.02 J**	**0.0016 J**	**0.0014 J**	**0.0065 J**	**0.35 J**	**0.026 J**
8081B	309-00-2	ALDRIN	MG_KG	0.029 U	0.029 U	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	0.0013 U	0.014 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0062 U	0.0063 U
8081B	319-84-6	ALPHA-BHC	MG_KG	0.029 U	0.029 U	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	0.0013 U	0.014 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0062 U	0.0063 U
8081B	5103-71-9	ALPHA-CHLORDANE	MG_KG	0.029 U	0.029 U	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	**0.01 J**	0.014 U	0.0014 U	0.0013 U	0.0013 U	**0.038**	**0.11 J**	0.0063 U
8081B	12674-11-2	AROCLOR-1016	MG_KG	1.8 U	1.8 U	0.37 U	0.39 U	1.1 U	0.53 U	0.37 U	0.41 U	0.075 U	0.4 U	0.085 U	0.081 U	0.86 U	0.087 U	0.078 U	0.081 U	0.08 U	0.39 U	0.39 U
8081B	11104-28-2	AROCLOR-1221	MG_KG	2.3 U	2.4 U	0.49 U	0.51 U	1.4 U	0.7 U	0.48 U	0.54 U	0.097 U	0.52 U	0.11 U	0.11 U	1.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.5 U	0.51 U
8081B	11141-16-5	AROCLOR-1232	MG_KG	1 U	1 U	0.21 U	0.22 U	0.61 U	0.3 U	0.21 U	0.23 U	0.042 UJ	0.23 U	0.048 UJ	0.046 UJ	0.48 U	0.049 UJ	0.044 U	0.046 U	0.045 U	0.22 U	0.22 U
8081B	53469-21-9	AROCLOR-1242	MG_KG	1 U	1 U	0.21 U	0.22 U	0.61 U	0.3 U	0.21 U	0.23 U	0.042 U	0.23 U	0.048 U	0.046 U	0.48 U	0.049 U	0.044 U	0.046 U	0.045 U	0.22 U	0.22 U
8081B	12672-29-6	AROCLOR-1248	MG_KG	1.6 U	1.6 U	0.32 U	0.34 U	0.94 U	0.46 U	0.32 U	0.36 U	0.065 U	0.35 U	0.074 U	0.07 U	0.74 U	0.076 U	0.068 U	0.071 U	0.07 U	0.34 U	0.34 U
8081B	11097-69-1	AROCLOR-1254	MG_KG	2.3 U	2.4 U	0.49 U	0.51 U	1.4 U	0.7 U	0.48 U	0.54 U	0.097 U	0.52 U	0.11 U	0.11 U	1.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.5 U	0.51 U
8081B	11096-82-5	AROCLOR-1260	MG_KG	1.8 U	1.8 U	0.37 U	0.39 U	1.1 U	0.53 U	0.37 U	0.41 U	0.075 U	0.4 U	0.085 U	0.081 U	0.86 U	0.087 U	0.078 U	0.081 U	0.08 U	0.39 U	0.39 U
8081B	319-85-7	BETA-BHC	MG_KG	0.057 U	0.058 U	0.012 U	0.012 U	0.034 U	0.017 U	0.012 U	0.013 U	0.0024 U	0.013 U	0.0027 U	0.0026 U	0.027 U	0.0028 U	0.0025 U	0.0026 U	0.0025 U	0.012 U	0.012 U
8081B	57-74-9	CHLORDANE	MG_KG	0.52 UJ	0.53 UJ	0.11 UJ	0.11 UJ	0.31 UJ	0.16 UJ	0.11 UJ	0.12 UJ	0.022 UJ	0.12 UJ	0.025 UJ	**0.023 J**	0.25 UJ	0.025 UJ	0.023 UJ	0.024 UJ	**0.1 J**	**0.19 J**	0.11 UJ
8081B	510-15-6	CHLOROBENZILATE	MG_KG	4.5 UJ	4.6 UJ	0.94 UJ	0.99 UJ	2.7 UJ	1.3 UJ	0.93 UJ	1 UJ	0.19 UJ	1 UJ	0.21 UJ	0.2 UJ	2.2 UJ	0.22 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.97 UJ	0.98 UJ
8081B	319-86-8	DELTA-BHC	MG_KG	0.039 U	0.039 U	0.0081 U	0.0085 U	0.023 U	0.012 U	0.008 U	0.009 U	0.0016 U	0.0087 U	0.0019 U	0.0018 U	0.019 U	0.0019 U	0.0017 U	0.0018 U	0.0017 U	0.0084 U	0.0085 U
8081B	60-57-1	DIELDRIN	MG_KG	**0.078 J**	**0.074 J**	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	**0.0007 J**	**0.0013 J**	0.014 U	**0.0021 J**	0.0013 U	0.0013 U	0.0013 U	**0.052 J**	**0.17**
8081B	959-98-8	ENDOSULFAN I	MG_KG	0.029 U	0.029 U	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	0.0013 U	0.014 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0062 U	0.0063 U
8081B	33213-65-9	ENDOSULFAN II	MG_KG	0.029 U	0.029 U	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	0.0013 U	0.014 U	**0.00065 J**	0.0013 U	0.0013 U	0.0013 U	0.0062 U	0.0063 U
8081B	1031-07-8	ENDOSULFAN SULFATE	MG_KG	0.039 U	0.039 U	0.0081 U	0.0085 U	0.023 U	0.012 U	0.008 U	0.009 U	0.0016 U	0.0087 U	0.0019 U	0.0018 U	0.019 U	0.0019 U	0.0017 U	0.0018 U	0.0017 U	0.0084 U	0.0085 U
8081B	72-20-8	ENDRIN	MG_KG	0.039 U	0.039 U	0.0081 U	0.0085 U	0.023 U	0.012 U	0.008 U	0.009 U	0.0016 U	0.0087 U	0.0019 U	0.0018 U	0.019 U	0.0019 U	0.0017 U	0.0018 U	0.0017 U	0.0084 U	0.0085 UJ
8081B	7421-93-4	ENDRIN ALDEHYDE	MG_KG	0.039 U	0.039 U	0.0081 U	0.0085 U	0.023 U	0.012 U	0.008 U	0.009 U	0.0016 U	0.0087 U	0.0019 U	0.0018 U	0.019 U	0.0019 U	0.0017 U	0.0018 U	0.0017 U	0.0084 U	0.0085 UJ
8081B	53494-70-5	ENDRIN KETONE	MG_KG	0.039 U	0.039 U	0.0081 U	0.0085 U	0.023 U	0.012 U	0.008 U	0.009 U	**0.00081 J**	0.0087 U	0.0019 U	**0.0027 J**	0.019 U	0.0019 U	0.0017 U	0.0018 U	0.0017 U	**0.017 J**	**0.012 J**
8081B	5566-34-7	GAMMA-CHLORDANE	MG_KG	0.029 U	0.029 U	0.006 U	**0.0045 J**	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	**0.0034 J**	0.014 U	**0.00073 J**	0.0013 U	0.0013 U	**0.015**	**0.043**	0.0063 U
8081B	76-44-8	HEPTACHLOR	MG_KG	0.039 U	0.039 U	0.0081 U	0.0085 U	0.023 U	0.012 U	0.008 U	0.009 U	0.0016 U	0.0087 U	0.0019 U	0.0018 U	0.019 U	0.0019 U	0.0017 U	0.0018 U	0.0017 U	0.0084 U	0.0085 U
8081B	1024-57-3	HEPTACHLOR EPOXIDE	MG_KG	0.029 U	0.029 U	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	0.0013 U	0.014 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0062 U	0.0063 U
8081B	465-73-6	ISODRIN	MG_KG	0.072 U	0.072 U	0.015 U	0.016 U	0.043 U	0.021 U	0.015 U	0.016 U	0.003 U	0.016 U	0.0034 U	0.0032 U	0.034 U	0.0035 U	0.0031 U	0.0033 U	0.0032 U	0.015 U	0.016 U
8081B	143-50-0	KEPONE	MG_KG	2.7 UJ	2.8 UJ	0.57 UJ	0.6 UJ	1.6 UJ	0.81 UJ	**3.5 J**	0.63 UJ	0.11 UJ	0.61 UJ	0.13 UJ	0.12 UJ	1.3 UJ	0.13 UJ	0.12 UJ	0.12 UJ	0.12 UJ	0.59 UJ	0.59 UJ
8081B	58-89-9	LINDANE	MG_KG	0.029 U	0.029 U	0.006 U	0.0063 U	0.017 U	0.0086 U	0.0059 U	0.0066 U	0.0012 U	0.0065 U	0.0014 U	0.0013 U	0.014 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0062 U	0.0063 U
8081B	72-43-5	METHOXYCHLOR	MG_KG	0.057 U	0.058 U	0.012 U	0.012 U	0.034 U	0.017 U	0.012 U	0.013 U	0.0024 UJ	0.013 U	0.0027 UJ	0.0026 UJ	0.027 U	0.0028 UJ	0.0025 U	0.0026 U	0.0025 U	0.012 U	0.012 U
8081B	8001-35-2	TOXAPHENE	MG_KG	1 UJ	1 UJ	0.21 UJ	0.22 UJ	0.61 UJ	0.3 UJ	0.21 UJ	0.23 UJ	0.042 UJ	0.23 UJ	0.048 UJ	0.046 UJ	0.48 UJ	0.049 UJ	0.044 UJ	0.046 UJ	0.045 UJ	0.22 UJ	0.22 UJ

Table E-3-6 Soil Results — Pesticides-PCBs

		Sample Location:		M4	M5	M6	M7	M8	M8	M9	N3	N4
		Sample ID:		AOPSM401	AOPSM501	AOPSM601	AOPSM701	AOPCM801	AOPSM801	AOPSM901	AOPSN301	AOPSN401
		Sample Date:		10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015
		Sample Type:		Normal	Normal	Normal	Normal	FD	Normal	Normal	Normal	Normal
		Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**									
8081B	72-54-8	4,4-DDD	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	72-55-9	4,4-DDE	MG_KG	**0.0038 J**	**0.0071 J**	**0.21**	**0.21**	**0.47**	**0.48**	**0.036**	**0.019 J**	**0.0098 J**
8081B	50-29-3	4,4-DDT	MG_KG	**0.0051 J**	**0.0079 J**	**0.11 J**	**0.14 J**	**0.23**	**0.23**	**0.042**	**0.025 J**	0.021 U
8081B	309-00-2	ALDRIN	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	319-84-6	ALPHA-BHC	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	5103-71-9	ALPHA-CHLORDANE	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	**0.045 J**	**0.046 J**	**0.16 J**	0.0061 U	0.016 U
8081B	12674-11-2	AROCLOR-1016	MG_KG	0.41 U	0.4 U	1.9 U	2.2 U	2.2 U	2.2 U	0.39 U	0.38 U	0.97 U
8081B	11104-28-2	AROCLOR-1221	MG_KG	0.54 U	0.52 U	2.5 U	2.9 U	2.9 U	2.9 U	0.51 U	0.49 U	1.3 U
8081B	11141-16-5	AROCLOR-1232	MG_KG	0.23 U	0.23 U	1.1 U	1.2 U	1.2 U	1.2 U	0.22 UJ	0.21 U	0.55 U
8081B	53469-21-9	AROCLOR-1242	MG_KG	0.23 U	0.23 U	1.1 U	1.2 U	1.2 U	1.2 U	0.22 U	0.21 U	0.55 U
8081B	12672-29-6	AROCLOR-1248	MG_KG	0.36 U	0.35 U	1.7 U	1.9 U	1.9 U	1.9 U	0.34 U	0.33 U	0.84 U
8081B	11097-69-1	AROCLOR-1254	MG_KG	0.54 U	0.52 U	2.5 U	2.9 U	2.9 U	2.9 U	0.51 U	0.49 U	1.3 U
8081B	11096-82-5	AROCLOR-1260	MG_KG	0.41 U	0.4 U	1.9 U	2.2 U	2.2 U	2.2 U	0.39 U	0.38 U	0.97 U
8081B	319-85-7	BETA-BHC	MG_KG	0.013 U	0.013 U	0.061 U	0.069 U	0.07 U	0.07 U	0.012 U	0.012 U	0.031 U
8081B	57-74-9	CHLORDANE	MG_KG	0.12 UJ	0.12 UJ	0.56 UJ	0.64 UJ	0.64 UJ	0.64 UJ	**0.32 J**	0.11 UJ	0.28 UJ
8081B	510-15-6	CHLOROBENZILATE	MG_KG	1 UJ	1 UJ	4.9 UJ	5.5 UJ	5.6 UJ	5.5 UJ	0.99 UJ	0.95 UJ	2.4 UJ
8081B	319-86-8	DELTA-BHC	MG_KG	0.0089 U	0.0087 U	0.042 U	0.048 U	0.048 U	0.048 U	0.0086 U	0.0082 U	0.021 U
8081B	60-57-1	DIELDRIN	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	959-98-8	ENDOSULFAN I	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	33213-65-9	ENDOSULFAN II	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	1031-07-8	ENDOSULFAN SULFATE	MG_KG	0.0089 U	0.0087 U	0.042 U	0.048 U	0.048 U	0.048 U	0.0086 U	0.0082 U	0.021 U
8081B	72-20-8	ENDRIN	MG_KG	0.0089 U	0.0087 U	0.042 U	0.048 U	0.048 U	0.048 U	0.0086 U	0.0082 U	0.021 U
8081B	7421-93-4	ENDRIN ALDEHYDE	MG_KG	0.0089 U	0.0087 U	0.042 U	0.048 U	0.048 U	0.048 U	0.0086 U	0.0082 U	0.021 U
8081B	53494-70-5	ENDRIN KETONE	MG_KG	0.0089 U	0.0087 U	0.042 U	0.048 U	0.048 U	0.048 U	0.0086 U	0.0082 U	0.021 U
8081B	5566-34-7	GAMMA-CHLORDANE	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	**0.023 J**	**0.025 J**	**0.029**	0.0061 U	0.016 U
8081B	76-44-8	HEPTACHLOR	MG_KG	0.0089 U	0.0087 U	0.042 U	0.048 U	0.048 U	0.048 U	0.0086 U	0.0082 U	0.021 U
8081B	1024-57-3	HEPTACHLOR EPOXIDE	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	465-73-6	ISODRIN	MG_KG	0.016 U	0.016 U	0.077 U	0.088 U	0.088 U	0.088 U	0.016 U	0.015 U	0.039 U
8081B	143-50-0	KEPONE	MG_KG	0.63 UJ	0.61 UJ	2.9 UJ	3.3 UJ	3.4 UJ	3.3 UJ	0.6 UJ	0.58 UJ	1.5 UJ
8081B	58-89-9	LINDANE	MG_KG	0.0066 U	0.0064 U	0.031 U	0.035 U	0.036 U	0.035 U	0.0063 U	0.0061 U	0.016 U
8081B	72-43-5	METHOXYCHLOR	MG_KG	0.013 U	0.013 U	0.061 U	0.069 U	0.07 U	0.07 U	0.012 U	0.012 U	0.031 U
8081B	8001-35-2	TOXAPHENE	MG_KG	0.23 UJ	0.23 UJ	1.1 UJ	1.2 UJ	1.2 UJ	1.2 UJ	0.22 UJ	0.21 UJ	0.55 UJ

Appendix F
Analytical Results

F-1
Air

eurofins | Air Toxics

10/23/2015
Mr. Mike Dryden
Earth Toxics, Inc.
206 Quail Way

Logan UT 84321

Project Name: EARTH TOXICS
Project #:
Workorder #: 1510310

Dear Mr. Mike Dryden

The following report includes the data for the above referenced project for sample(s) received on 10/16/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1510310

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	EARTH TOXICS
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	AV32IASMMR	Modified TO-15	3.3 "Hg	4.7 psi
01AA	AV32IASMMR Lab Duplicate	Modified TO-15	3.3 "Hg	4.7 psi
01B	AV32IASMMR	Modified TO-15	3.3 "Hg	4.7 psi
01BB	AV32IASMMR Lab Duplicate	Modified TO-15	3.3 "Hg	4.7 psi
02A	AV32IASMMP	Modified TO-15	4.7 "Hg	4.8 psi
02B	AV32IASMMP	Modified TO-15	4.7 "Hg	4.8 psi
03A	AV32IASMM01	Modified TO-15	4.7 "Hg	4.8 psi
03B	AV32IASMM01	Modified TO-15	4.7 "Hg	4.8 psi
04A	AV32IASMM02	Modified TO-15	4.7 "Hg	4.9 psi
04B	AV32IASMM02	Modified TO-15	4.7 "Hg	4.9 psi
05A	AV32IASMBKD	Modified TO-15	7.3 "Hg	5 psi
05B	AV32IASMBKD	Modified TO-15	7.3 "Hg	5 psi
06A	TENTIASMC1	Modified TO-15	5.7 "Hg	4.8 psi
06B	TENTIASMC1	Modified TO-15	5.7 "Hg	4.8 psi
07A	TENTIASML1	Modified TO-15	5.1 "Hg	5 psi
07B	TENTIASML1	Modified TO-15	5.1 "Hg	5 psi
08A	TENTIASMS1	Modified TO-15	5.7 "Hg	4.8 psi
08B	TENTIASMS1	Modified TO-15	5.7 "Hg	4.8 psi
09A	TENTIASMA2	Modified TO-15	7.3 "Hg	4.9 psi
09B	TENTIASMA2	Modified TO-15	7.3 "Hg	4.9 psi
10A	TENTIASMB2	Modified TO-15	5.1 "Hg	5.2 psi
10B	TENTIASMB2	Modified TO-15	5.1 "Hg	5.2 psi
11A	Lab Blank	Modified TO-15	NA	NA

Continued on next page

eurofins | Air Toxics

WORK ORDER #: 1510310

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	EARTH TOXICS
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
11B	Lab Blank	Modified TO-15	NA	NA
11C	Lab Blank	Modified TO-15	NA	NA
11D	Lab Blank	Modified TO-15	NA	NA
12A	CCV	Modified TO-15	NA	NA
12B	CCV	Modified TO-15	NA	NA
12C	CCV	Modified TO-15	NA	NA
12D	CCV	Modified TO-15	NA	NA
13A	LCS	Modified TO-15	NA	NA
13AA	LCSD	Modified TO-15	NA	NA
13B	LCS	Modified TO-15	NA	NA
13BB	LCSD	Modified TO-15	NA	NA
13C	LCS	Modified TO-15	NA	NA
13CC	LCSD	Modified TO-15	NA	NA
13D	LCS	Modified TO-15	NA	NA
13DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 10/23/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
DoD QSM 5.0 TO-15 LL/SIM
Earth Toxics, Inc.
Workorder# 1510310

Ten 6 Liter Summa Canister (SIM Certified) samples were received on October 16, 2015. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications and DoD QSM 5.0 modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the modifications.

Requirement	***TO-15 LL/SIM DoD QS***	***ATL Modifications***
Blank and standards	Zero air	UHP Nitrogren provides a higher purity gas matrix than zero air
Daily Calibration	+- 30% Difference	For Std. Full Scan: </= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
DoD QSM 5.0 Module 4 (1.7.1.1.j, 1.5.2.1.b, 1.5.2.2.c) Surrogates	Quantification of surrogates requires a multi-point calibration and determination of DL and LOQ.	Quantification achieved using a multipoint calibration at a single concentration, analogous to internal standards. DLs and LOQs are not established.
DoD QSM 5.0 Section 2.2.1 PT Requirement	Two PT samples per year for each analyte-matrix-method combination are required.	Not all analyte-matrix-method combinations on the scope of accreditation are available from the current PT providers.
DoD QSM 5.0 Section 1.7.4.1 Lab Blank	No analytes detected at >1/2 LOQ	No analytes detected at >/=LOQ.
Initial Calibration	</=30%RSD with 2 compounds out up to 40%RSD	(Full Scan): </=30%RSD with 4 compounds out up to 40%RSD SIM: Default criterion is </=30%RSD with 10% VOCs out up to 40%RSD.

Receiving Notes

The Chain of Custody (COC) information for sample TENTIASMC1 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. All The canisters used for this project have been certified to the Reporting Limit for the target analytes included in this workorder. Concentrations that are below the level at which the canister was certified may be false positives.

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

The Continuing Calibration Verification (CCV) analyzed on 10/20/15 was outside the laboratory acceptance criteria of 30% D for compounds 2-Propanol, Chloromethane and 1,4-Dichlorobenzene.

Chloromethane, cis-1,2-Dichloroethene and Carbon Tetrachloride were manually integrated in the initial calibration.

1,2-Dichloroethane was manually integrated in the Lab Blank analyzed on 10/22/15.

Carbon Tetrachloride exceeded ICV project acceptance criterion of </=30% Recovery (%R) in the intial calibration.

The Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (LCSD) analyzed on 10/20/15 did not meet in-house generated control limits per DoD criteria for Carbon Tetrachloride.

Chloromethane was manually integrated in samples AV32IASMM01, AV32IASMM02, AV32IASMBKD and TENTIASMC1.

Ethanol exceeded the instrument's calibration range for samples AV32IASMM02 and TENTIASMS1 and was flagged accordingly.

The per analytical batch duplicate analysis required for this project is associated with work order 1510312.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

CN - See case narrative explanation

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMR		
Lab ID:	1510310-01A	**Date/Time Analyzed:**	10/20/15 09:42 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102007

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.49	1.1	5.5	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.051	0.29	0.73	0.38 J
1,2-Dichlorobenzene	95-50-1	0.21	0.36	0.89	Not Detected U
1,2-Dichloropropane	78-87-5	0.085	0.27	0.68	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.29	0.73	Not Detected U
1,3-Butadiene	106-99-0	0.071	0.13	0.33	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.17	0.36	0.89	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.21	0.53	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.69	3.4	0.27 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.44	2.2	2.7
2-Hexanone	591-78-6	0.33	0.61	3.0	0.42 J
2-Propanol	67-63-0	0.57	0.57	1.8	4.9 J
3-Chloropropene	107-05-1	0.31	0.46	2.3	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.29	0.73	0.32 J
4-Methyl-2-pentanone	108-10-1	0.12	0.24	0.61	0.41 J
Acetone	67-64-1	0.16	0.35	1.8	71
alpha-Chlorotoluene	100-44-7	0.11	0.31	0.77	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.40	0.99	Not Detected U
Bromoform	75-25-2	0.16	0.61	1.5	Not Detected U
Bromomethane	74-83-9	0.44	0.57	2.9	Not Detected U
Carbon Disulfide	75-15-0	0.17	0.46	2.3	Not Detected U
Chlorobenzene	108-90-7	0.061	0.27	0.68	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.27	0.67	Not Detected U
Cumene	98-82-8	0.089	0.29	0.73	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMR		
Lab ID:	1510310-01A	**Date/Time Analyzed:**	10/20/15 09:42 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102007

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.10	0.20	0.51	0.77
Dibromochloromethane	124-48-1	0.16	0.50	1.3	Not Detected U
Ethanol	64-17-5	0.21	0.28	1.4	12
Freon 11	75-69-4	0.13	0.33	0.83	1.3
Freon 113	76-13-1	0.14	0.45	1.1	0.52 J
Heptane	142-82-5	0.058	0.24	0.61	0.66
Hexachlorobutadiene	87-68-3	0.69	1.6	7.9	Not Detected U
Hexane	110-54-3	0.079	0.21	0.52	0.27 J
Methylene Chloride	75-09-2	0.10	0.20	1.0	0.80 J
Propylbenzene	103-65-1	0.11	0.29	0.73	0.12 J
Styrene	100-42-5	0.069	0.25	0.63	0.26 J
Tetrahydrofuran	109-99-9	0.64	0.64	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.062	0.27	0.67	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	108
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMR Lab Duplicate		
Lab ID:	1510310-01AA	**Date/Time Analyzed:**	10/20/15 10:22 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102008

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.49	1.1	5.5	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.051	0.29	0.73	0.35 J
1,2-Dichlorobenzene	95-50-1	0.21	0.36	0.89	Not Detected U
1,2-Dichloropropane	78-87-5	0.085	0.27	0.68	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.29	0.73	Not Detected U
1,3-Butadiene	106-99-0	0.071	0.13	0.33	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.17	0.36	0.89	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.21	0.53	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.69	3.4	0.30 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.44	2.2	2.9
2-Hexanone	591-78-6	0.33	0.61	3.0	0.44 J
2-Propanol	67-63-0	0.57	0.57	1.8	4.8 J
3-Chloropropene	107-05-1	0.31	0.46	2.3	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.29	0.73	0.34 J
4-Methyl-2-pentanone	108-10-1	0.12	0.24	0.61	0.36 J
Acetone	67-64-1	0.16	0.35	1.8	70
alpha-Chlorotoluene	100-44-7	0.11	0.31	0.77	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.40	0.99	Not Detected U
Bromoform	75-25-2	0.16	0.61	1.5	Not Detected U
Bromomethane	74-83-9	0.44	0.57	2.9	Not Detected U
Carbon Disulfide	75-15-0	0.17	0.46	2.3	Not Detected U
Chlorobenzene	108-90-7	0.061	0.27	0.68	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.27	0.67	Not Detected U
Cumene	98-82-8	0.089	0.29	0.73	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMMR Lab Duplicate		
Lab ID:	1510310-01AA	**Date/Time Analyzed:**	10/20/15 10:22 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102008

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.10	0.20	0.51	0.76
Dibromochloromethane	124-48-1	0.16	0.50	1.3	Not Detected U
Ethanol	64-17-5	0.21	0.28	1.4	11
Freon 11	75-69-4	0.13	0.33	0.83	1.3
Freon 113	76-13-1	0.14	0.45	1.1	0.53 J
Heptane	142-82-5	0.058	0.24	0.61	0.58 J
Hexachlorobutadiene	87-68-3	0.69	1.6	7.9	Not Detected U
Hexane	110-54-3	0.079	0.21	0.52	0.31 J
Methylene Chloride	75-09-2	0.10	0.20	1.0	0.87 J
Propylbenzene	103-65-1	0.11	0.29	0.73	0.19 J
Styrene	100-42-5	0.069	0.25	0.63	0.28 J
Tetrahydrofuran	109-99-9	0.64	0.64	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.062	0.27	0.67	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	105
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMR		
Lab ID:	1510310-01B	**Date/Time Analyzed:**	10/20/15 09:42 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102007sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0038	0.032	0.16	0.015 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0077	0.041	0.20	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0074	0.032	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0022	0.024	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0053	0.023	0.059	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.045	0.23	0.015 J
1,2-Dichloroethane	107-06-2	0.0035	0.024	0.12	0.049 J
1,4-Dichlorobenzene	106-46-7	0.020	0.036	0.18	0.037 J
Benzene	71-43-2	0.030	0.030	0.24	0.46
Carbon Tetrachloride	56-23-5	0.0051	0.037	0.19	0.59
Chloroethane	75-00-3	0.020	0.16	0.20	0.075 J
Chloroform	67-66-3	0.0030	0.029	0.14	0.16
Chloromethane	74-87-3	0.011	0.12	0.15	1.7 J
cis-1,2-Dichloroethene	156-59-2	0.0044	0.023	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.29
Freon 114	76-14-2	0.0097	0.041	0.21	0.11 J
Freon 12	75-71-8	0.0043	0.029	0.15	2.5
m,p-Xylene	108-38-3	0.0077	0.026	0.26	0.79
Methyl tert-butyl ether	1634-04-4	0.0060	0.021	0.53	0.023 J
o-Xylene	95-47-6	0.0063	0.026	0.13	0.36
Tetrachloroethene	127-18-4	0.0053	0.040	0.20	0.033 J
Toluene	108-88-3	0.012	0.022	0.11	2.7
trans-1,2-Dichloroethene	156-60-5	0.0051	0.023	0.59	Not Detected U
Trichloroethene	79-01-6	0.013	0.032	0.16	0.021 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMMR		
Lab ID:	1510310-01B	**Date/Time Analyzed:**	10/20/15 09:42 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102007sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0042	0.015	0.038	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	108
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMR Lab Duplicate		
Lab ID:	1510310-01BB	**Date/Time Analyzed:**	10/20/15 10:22 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102008sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0038	0.032	0.16	0.016 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0077	0.041	0.20	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0074	0.032	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0022	0.024	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0053	0.023	0.059	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.045	0.23	Not Detected U
1,2-Dichloroethane	107-06-2	0.0035	0.024	0.12	0.055 J
1,4-Dichlorobenzene	106-46-7	0.020	0.036	0.18	0.026 J
Benzene	71-43-2	0.030	0.030	0.24	0.46
Carbon Tetrachloride	56-23-5	0.0051	0.037	0.19	0.54
Chloroethane	75-00-3	0.020	0.16	0.20	0.078 J
Chloroform	67-66-3	0.0030	0.029	0.14	0.16
Chloromethane	74-87-3	0.011	0.12	0.15	1.6 J
cis-1,2-Dichloroethene	156-59-2	0.0044	0.023	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.28
Freon 114	76-14-2	0.0097	0.041	0.21	0.11 J
Freon 12	75-71-8	0.0043	0.029	0.15	2.4
m,p-Xylene	108-38-3	0.0077	0.026	0.26	0.78
Methyl tert-butyl ether	1634-04-4	0.0060	0.021	0.53	0.023 J
o-Xylene	95-47-6	0.0063	0.026	0.13	0.36
Tetrachloroethene	127-18-4	0.0053	0.040	0.20	0.032 J
Toluene	108-88-3	0.012	0.022	0.11	2.8
trans-1,2-Dichloroethene	156-60-5	0.0051	0.023	0.59	Not Detected U
Trichloroethene	79-01-6	0.013	0.032	0.16	0.021 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMMR Lab Duplicate		
Lab ID:	1510310-01BB	**Date/Time Analyzed:**	10/20/15 10:22 AM
Date/Time Collected:	10/11/15 11:36 AM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102008sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0042	0.015	0.038	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	108
4-Bromofluorobenzene	460-00-4	80-117	100
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMP		
Lab ID:	1510310-02A	**Date/Time Analyzed:**	10/20/15 11:01 AM
Date/Time Collected:	10/11/15 11:51 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102009

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.52	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.31	0.77	0.32 J
1,2-Dichlorobenzene	95-50-1	0.22	0.38	0.94	Not Detected U
1,2-Dichloropropane	78-87-5	0.090	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.77	Not Detected U
1,3-Butadiene	106-99-0	0.075	0.14	0.35	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.94	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.73	3.7	0.20 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	1.3 J
2-Hexanone	591-78-6	0.35	0.64	3.2	Not Detected U
2-Propanol	67-63-0	0.61	0.61	1.9	0.69 J
3-Chloropropene	107-05-1	0.33	0.49	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.77	0.26 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.64	Not Detected U
Acetone	67-64-1	0.17	0.37	1.9	12
alpha-Chlorotoluene	100-44-7	0.12	0.32	0.81	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.18	0.65	1.6	Not Detected U
Bromomethane	74-83-9	0.47	0.61	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.49	2.4	Not Detected U
Chlorobenzene	108-90-7	0.065	0.29	0.72	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.71	Not Detected U
Cumene	98-82-8	0.095	0.31	0.77	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMP		
Lab ID:	1510310-02A	**Date/Time Analyzed:**	10/20/15 11:01 AM
Date/Time Collected:	10/11/15 11:51 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102009

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.54	0.15 J
Dibromochloromethane	124-48-1	0.18	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.30	1.5	2.5
Freon 11	75-69-4	0.14	0.35	0.88	1.3
Freon 113	76-13-1	0.15	0.48	1.2	0.55 J
Heptane	142-82-5	0.062	0.26	0.64	0.18 J
Hexachlorobutadiene	87-68-3	0.73	1.7	8.4	Not Detected U
Hexane	110-54-3	0.084	0.22	0.55	0.18 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.60 J
Propylbenzene	103-65-1	0.12	0.31	0.77	Not Detected U
Styrene	100-42-5	0.074	0.27	0.67	0.16 J
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.066	0.28	0.71	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMMP		
Lab ID:	1510310-02B	**Date/Time Analyzed:**	10/20/15 11:01 AM
Date/Time Collected:	10/11/15 11:51 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102009sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	0.014 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0082	0.043	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0079	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.025	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0056	0.025	0.062	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.048	0.24	Not Detected U
1,2-Dichloroethane	107-06-2	0.0037	0.025	0.13	0.034 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	Not Detected UJ
Benzene	71-43-2	0.032	0.032	0.25	3.6
Carbon Tetrachloride	56-23-5	0.0054	0.040	0.20	0.51
Chloroethane	75-00-3	0.022	0.16	0.21	0.039 J
Chloroform	67-66-3	0.0032	0.031	0.15	0.080 J
Chloromethane	74-87-3	0.012	0.13	0.16	2.0 J
cis-1,2-Dichloroethene	156-59-2	0.0047	0.025	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.027	0.14	0.21
Freon 114	76-14-2	0.010	0.044	0.22	0.11 J
Freon 12	75-71-8	0.0046	0.031	0.16	2.5
m,p-Xylene	108-38-3	0.0082	0.027	0.27	0.61
Methyl tert-butyl ether	1634-04-4	0.0063	0.023	0.57	Not Detected U
o-Xylene	95-47-6	0.0067	0.027	0.14	0.27
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	0.070 J
Toluene	108-88-3	0.012	0.024	0.12	2.7
trans-1,2-Dichloroethene	156-60-5	0.0054	0.025	0.62	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	0.022 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMMP		
Lab ID:	1510310-02B	**Date/Time Analyzed:**	10/20/15 11:01 AM
Date/Time Collected:	10/11/15 11:51 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102009sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	109
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMM01		
Lab ID:	1510310-03A	**Date/Time Analyzed:**	10/20/15 11:40 AM
Date/Time Collected:	10/11/15 10:30 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102010

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.52	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.31	0.77	0.28 J
1,2-Dichlorobenzene	95-50-1	0.22	0.38	0.94	Not Detected U
1,2-Dichloropropane	78-87-5	0.090	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.77	Not Detected U
1,3-Butadiene	106-99-0	0.075	0.14	0.35	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.94	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.73	3.7	0.25 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	1.7 J
2-Hexanone	591-78-6	0.35	0.64	3.2	0.36 J
2-Propanol	67-63-0	0.61	0.61	1.9	4.2 J
3-Chloropropene	107-05-1	0.33	0.49	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.77	0.20 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.64	0.20 J
Acetone	67-64-1	0.17	0.37	1.9	19
alpha-Chlorotoluene	100-44-7	0.12	0.32	0.81	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.18	0.65	1.6	Not Detected U
Bromomethane	74-83-9	0.47	0.61	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.49	2.4	Not Detected U
Chlorobenzene	108-90-7	0.065	0.29	0.72	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.71	Not Detected U
Cumene	98-82-8	0.095	0.31	0.77	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMM01		
Lab ID:	1510310-03A	**Date/Time Analyzed:**	10/20/15 11:40 AM
Date/Time Collected:	10/11/15 10:30 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102010

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.54	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.30	1.5	25
Freon 11	75-69-4	0.14	0.35	0.88	1.3
Freon 113	76-13-1	0.15	0.48	1.2	0.58 J
Heptane	142-82-5	0.062	0.26	0.64	0.50 J
Hexachlorobutadiene	87-68-3	0.73	1.7	8.4	Not Detected U
Hexane	110-54-3	0.084	0.22	0.55	0.22 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.84 J
Propylbenzene	103-65-1	0.12	0.31	0.77	Not Detected U
Styrene	100-42-5	0.074	0.27	0.67	0.31 J
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.066	0.28	0.71	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	95
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMM01		
Lab ID:	1510310-03B	**Date/Time Analyzed:**	10/20/15 11:40 AM
Date/Time Collected:	10/11/15 10:30 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102010sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	0.018 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0082	0.043	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0079	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.025	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0056	0.025	0.062	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.048	0.24	Not Detected U
1,2-Dichloroethane	107-06-2	0.0037	0.025	0.13	0.10 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	Not Detected UJ
Benzene	71-43-2	0.032	0.032	0.25	0.43
Carbon Tetrachloride	56-23-5	0.0054	0.040	0.20	0.60
Chloroethane	75-00-3	0.022	0.16	0.21	Not Detected U
Chloroform	67-66-3	0.0032	0.031	0.15	0.085 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.7 J
cis-1,2-Dichloroethene	156-59-2	0.0047	0.025	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.027	0.14	0.25
Freon 114	76-14-2	0.010	0.044	0.22	0.12 J
Freon 12	75-71-8	0.0046	0.031	0.16	2.6
m,p-Xylene	108-38-3	0.0082	0.027	0.27	0.60
Methyl tert-butyl ether	1634-04-4	0.0063	0.023	0.57	Not Detected U
o-Xylene	95-47-6	0.0067	0.027	0.14	0.25
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	Not Detected U
Toluene	108-88-3	0.012	0.024	0.12	3.0
trans-1,2-Dichloroethene	156-60-5	0.0054	0.025	0.62	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMM01		
Lab ID:	1510310-03B	**Date/Time Analyzed:**	10/20/15 11:40 AM
Date/Time Collected:	10/11/15 10:30 AM	**Dilution Factor:**	1.57
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102010sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	111
4-Bromofluorobenzene	460-00-4	80-117	96
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMM02		
Lab ID:	1510310-04A	**Date/Time Analyzed:**	10/20/15 12:19 PM
Date/Time Collected:	10/11/15 11:55 AM	**Dilution Factor:**	1.58
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102011

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.52	1.2	5.9	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.055	0.31	0.78	0.45 J
1,2-Dichlorobenzene	95-50-1	0.22	0.38	0.95	Not Detected U
1,2-Dichloropropane	78-87-5	0.091	0.29	0.73	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.78	Not Detected U
1,3-Butadiene	106-99-0	0.075	0.14	0.35	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.95	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.57	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.74	3.7	0.44 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	4.4
2-Hexanone	591-78-6	0.36	0.65	3.2	0.57 J
2-Propanol	67-63-0	0.61	0.61	1.9	26 J
3-Chloropropene	107-05-1	0.34	0.49	2.5	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.78	0.33 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.65	0.39 J
Acetone	67-64-1	0.17	0.38	1.9	92
alpha-Chlorotoluene	100-44-7	0.12	0.33	0.82	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.18	0.65	1.6	Not Detected U
Bromomethane	74-83-9	0.47	0.61	3.1	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.49	2.5	0.28 J
Chlorobenzene	108-90-7	0.065	0.29	0.73	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.29	0.72	Not Detected U
Cumene	98-82-8	0.095	0.31	0.78	0.19 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMM02		
Lab ID:	1510310-04A	**Date/Time Analyzed:**	10/20/15 12:19 PM
Date/Time Collected:	10/11/15 11:55 AM	**Dilution Factor:**	1.58
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102011

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.54	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.54	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.30	1.5	890 J
Freon 11	75-69-4	0.14	0.36	0.89	1.3
Freon 113	76-13-1	0.15	0.48	1.2	0.62 J
Heptane	142-82-5	0.062	0.26	0.65	1.2
Hexachlorobutadiene	87-68-3	0.74	1.7	8.4	Not Detected U
Hexane	110-54-3	0.084	0.22	0.56	0.41 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.70 J
Propylbenzene	103-65-1	0.12	0.31	0.78	Not Detected U
Styrene	100-42-5	0.074	0.27	0.67	1.2
Tetrahydrofuran	109-99-9	0.69	0.69	2.3	1.6 J
trans-1,3-Dichloropropene	10061-02-6	0.066	0.29	0.72	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	105
4-Bromofluorobenzene	460-00-4	79-114	95
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMM02		
Lab ID:	1510310-04B	**Date/Time Analyzed:**	10/20/15 12:19 PM
Date/Time Collected:	10/11/15 11:55 AM	**Dilution Factor:**	1.58
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102011sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	0.019 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0082	0.043	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0079	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0056	0.025	0.063	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.048	0.24	Not Detected U
1,2-Dichloroethane	107-06-2	0.0037	0.026	0.13	0.057 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	0.040 J
Benzene	71-43-2	0.033	0.033	0.25	0.61
Carbon Tetrachloride	56-23-5	0.0055	0.040	0.20	0.68
Chloroethane	75-00-3	0.022	0.17	0.21	0.034 J
Chloroform	67-66-3	0.0032	0.031	0.15	0.16
Chloromethane	74-87-3	0.012	0.13	0.16	1.9 J
cis-1,2-Dichloroethene	156-59-2	0.0047	0.025	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.027	0.14	0.94
Freon 114	76-14-2	0.010	0.044	0.22	0.11 J
Freon 12	75-71-8	0.0046	0.031	0.16	2.5
m,p-Xylene	108-38-3	0.0082	0.027	0.27	2.3
Methyl tert-butyl ether	1634-04-4	0.0064	0.023	0.57	0.012 J
o-Xylene	95-47-6	0.0067	0.027	0.14	0.75
Tetrachloroethene	127-18-4	0.0057	0.043	0.21	0.22
Toluene	108-88-3	0.013	0.024	0.12	5.0
trans-1,2-Dichloroethene	156-60-5	0.0054	0.025	0.63	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMM02		
Lab ID:	1510310-04B	**Date/Time Analyzed:**	10/20/15 12:19 PM
Date/Time Collected:	10/11/15 11:55 AM	**Dilution Factor:**	1.58
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102011sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	109
4-Bromofluorobenzene	460-00-4	80-117	100
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMBKD		
Lab ID:	1510310-05A	**Date/Time Analyzed:**	10/20/15 12:59 PM
Date/Time Collected:	10/11/15 12:14 PM	**Dilution Factor:**	1.77
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102012

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.58	1.3	6.6	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.061	0.35	0.87	0.14 J
1,2-Dichlorobenzene	95-50-1	0.25	0.42	1.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.10	0.33	0.82	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.17	0.35	0.87	Not Detected U
1,3-Butadiene	106-99-0	0.084	0.16	0.39	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.20	0.42	1.1	Not Detected U
1,4-Dioxane	123-91-1	0.24	0.26	0.64	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.22	0.83	4.1	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.26	0.52	2.6	2.0 J
2-Hexanone	591-78-6	0.40	0.72	3.6	Not Detected U
2-Propanol	67-63-0	0.69	0.69	2.2	0.76 J
3-Chloropropene	107-05-1	0.38	0.55	2.8	Not Detected U
4-Ethyltoluene	622-96-8	0.16	0.35	0.87	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.14	0.29	0.72	Not Detected U
Acetone	67-64-1	0.19	0.42	2.1	16
alpha-Chlorotoluene	100-44-7	0.13	0.37	0.92	Not Detected U
Bromodichloromethane	75-27-4	0.21	0.47	1.2	Not Detected U
Bromoform	75-25-2	0.20	0.73	1.8	Not Detected U
Bromomethane	74-83-9	0.53	0.69	3.4	Not Detected U
Carbon Disulfide	75-15-0	0.20	0.55	2.8	Not Detected U
Chlorobenzene	108-90-7	0.073	0.32	0.81	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.14	0.32	0.80	Not Detected U
Cumene	98-82-8	0.11	0.35	0.87	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMBKD		
Lab ID:	1510310-05A	**Date/Time Analyzed:**	10/20/15 12:59 PM
Date/Time Collected:	10/11/15 12:14 PM	**Dilution Factor:**	1.77
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102012

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.13	0.24	0.61	Not Detected U
Dibromochloromethane	124-48-1	0.20	0.60	1.5	Not Detected U
Ethanol	64-17-5	0.25	0.33	1.7	8.8
Freon 11	75-69-4	0.16	0.40	0.99	1.6
Freon 113	76-13-1	0.17	0.54	1.4	0.75 J
Heptane	142-82-5	0.070	0.29	0.72	Not Detected U
Hexachlorobutadiene	87-68-3	0.82	1.9	9.4	Not Detected U
Hexane	110-54-3	0.094	0.25	0.62	0.14 J
Methylene Chloride	75-09-2	0.12	0.24	1.2	1.0 J
Propylbenzene	103-65-1	0.13	0.35	0.87	Not Detected U
Styrene	100-42-5	0.083	0.30	0.75	Not Detected U
Tetrahydrofuran	109-99-9	0.77	0.77	2.6	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.074	0.32	0.80	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	117
4-Bromofluorobenzene	460-00-4	79-114	95
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	AV32IASMBKD		
Lab ID:	1510310-05B	**Date/Time Analyzed:**	10/20/15 12:59 PM
Date/Time Collected:	10/11/15 12:14 PM	**Dilution Factor:**	1.77
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102012sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0045	0.039	0.19	0.022 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0092	0.049	0.24	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0089	0.039	0.19	Not Detected U
1,1-Dichloroethane	75-34-3	0.0026	0.029	0.14	Not Detected U
1,1-Dichloroethene	75-35-4	0.0063	0.028	0.070	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.013	0.054	0.27	Not Detected U
1,2-Dichloroethane	107-06-2	0.0042	0.029	0.14	0.035 J
1,4-Dichlorobenzene	106-46-7	0.024	0.042	0.21	Not Detected UJ
Benzene	71-43-2	0.036	0.036	0.28	0.34
Carbon Tetrachloride	56-23-5	0.0061	0.044	0.22	0.53
Chloroethane	75-00-3	0.024	0.19	0.23	0.050 J
Chloroform	67-66-3	0.0036	0.034	0.17	0.084 J
Chloromethane	74-87-3	0.014	0.15	0.18	1.7 J
cis-1,2-Dichloroethene	156-59-2	0.0053	0.028	0.14	Not Detected U
Ethyl Benzene	100-41-4	0.026	0.031	0.15	0.10 J
Freon 114	76-14-2	0.012	0.049	0.25	0.13 J
Freon 12	75-71-8	0.0052	0.035	0.18	2.8
m,p-Xylene	108-38-3	0.0092	0.031	0.31	0.28 J
Methyl tert-butyl ether	1634-04-4	0.0071	0.026	0.64	Not Detected U
o-Xylene	95-47-6	0.0075	0.031	0.15	0.15 J
Tetrachloroethene	127-18-4	0.0064	0.048	0.24	Not Detected U
Toluene	108-88-3	0.014	0.027	0.13	0.70
trans-1,2-Dichloroethene	156-60-5	0.0061	0.028	0.70	Not Detected U
Trichloroethene	79-01-6	0.016	0.038	0.19	0.017 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	AV32IASMBKD		
Lab ID:	1510310-05B	**Date/Time Analyzed:**	10/20/15 12:59 PM
Date/Time Collected:	10/11/15 12:14 PM	**Dilution Factor:**	1.77
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102012sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0050	0.018	0.045	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	120
4-Bromofluorobenzene	460-00-4	80-117	98
Toluene-d8	2037-26-5	92-110	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC1		
Lab ID:	1510310-06A	**Date/Time Analyzed:**	10/20/15 01:38 PM
Date/Time Collected:	10/11/15 04:29 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102013

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.54	1.2	6.1	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.057	0.32	0.81	0.13 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.99	Not Detected U
1,2-Dichloropropane	78-87-5	0.094	0.30	0.76	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.81	Not Detected U
1,3-Butadiene	106-99-0	0.078	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.99	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.24	0.59	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.77	3.8	0.24 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.48	2.4	1.7 J
2-Hexanone	591-78-6	0.37	0.67	3.4	Not Detected U
2-Propanol	67-63-0	0.64	0.64	2.0	Not Detected UJ
3-Chloropropene	107-05-1	0.35	0.51	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.15	0.32	0.81	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.13	0.27	0.67	Not Detected U
Acetone	67-64-1	0.18	0.39	1.9	9.3
alpha-Chlorotoluene	100-44-7	0.12	0.34	0.85	Not Detected U
Bromodichloromethane	75-27-4	0.20	0.44	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.68	1.7	Not Detected U
Bromomethane	74-83-9	0.49	0.64	3.2	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.51	2.6	0.27 J
Chlorobenzene	108-90-7	0.068	0.30	0.76	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.74	Not Detected U
Cumene	98-82-8	0.099	0.32	0.81	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMC1		
Lab ID:	1510310-06A	**Date/Time Analyzed:**	10/20/15 01:38 PM
Date/Time Collected:	10/11/15 04:29 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102013

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.22	0.56	0.80
Dibromochloromethane	124-48-1	0.18	0.56	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.31	1.5	5.5
Freon 11	75-69-4	0.14	0.37	0.92	1.4
Freon 113	76-13-1	0.16	0.50	1.2	0.54 J
Heptane	142-82-5	0.064	0.27	0.67	0.31 J
Hexachlorobutadiene	87-68-3	0.76	1.7	8.7	Not Detected U
Hexane	110-54-3	0.087	0.23	0.58	0.17 J
Methylene Chloride	75-09-2	0.12	0.23	1.1	6.5
Propylbenzene	103-65-1	0.12	0.32	0.81	Not Detected U
Styrene	100-42-5	0.077	0.28	0.70	0.14 J
Tetrahydrofuran	109-99-9	0.71	0.71	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.069	0.30	0.74	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	88
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC1		
Lab ID:	1510310-06B	**Date/Time Analyzed:**	10/20/15 01:38 PM
Date/Time Collected:	10/11/15 04:29 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102013sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0042	0.036	0.18	0.016 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0086	0.045	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0082	0.036	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0058	0.026	0.065	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.050	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.041 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.20	Not Detected UJ
Benzene	71-43-2	0.034	0.034	0.26	0.35
Carbon Tetrachloride	56-23-5	0.0057	0.041	0.21	0.63
Chloroethane	75-00-3	0.023	0.17	0.22	0.049 J
Chloroform	67-66-3	0.0034	0.032	0.16	0.076 J
Chloromethane	74-87-3	0.013	0.14	0.17	1.5 J
cis-1,2-Dichloroethene	156-59-2	0.0049	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.028	0.14	0.28
Freon 114	76-14-2	0.011	0.046	0.23	0.12 J
Freon 12	75-71-8	0.0048	0.032	0.16	2.5
m,p-Xylene	108-38-3	0.0085	0.028	0.28	0.89
Methyl tert-butyl ether	1634-04-4	0.0066	0.024	0.59	Not Detected U
o-Xylene	95-47-6	0.0070	0.028	0.14	0.29
Tetrachloroethene	127-18-4	0.0059	0.044	0.22	0.038 J
Toluene	108-88-3	0.013	0.025	0.12	6.6
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.65	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.18	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMC1		
Lab ID:	1510310-06B	**Date/Time Analyzed:**	10/20/15 01:38 PM
Date/Time Collected:	10/11/15 04:29 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102013sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0046	0.017	0.042	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASML1		
Lab ID:	1510310-07A	**Date/Time Analyzed:**	10/20/15 02:17 PM
Date/Time Collected:	10/11/15 04:33 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102014

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.53	1.2	6.0	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.056	0.32	0.79	0.11 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.97	Not Detected U
1,2-Dichloropropane	78-87-5	0.092	0.30	0.74	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.79	Not Detected U
1,3-Butadiene	106-99-0	0.077	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.97	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.58	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.75	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.47	2.4	2.4
2-Hexanone	591-78-6	0.36	0.66	3.3	Not Detected U
2-Propanol	67-63-0	0.62	0.62	2.0	Not Detected UJ
3-Chloropropene	107-05-1	0.34	0.50	2.5	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.32	0.79	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.66	Not Detected U
Acetone	67-64-1	0.18	0.38	1.9	10
alpha-Chlorotoluene	100-44-7	0.12	0.33	0.83	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.43	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.66	1.7	Not Detected U
Bromomethane	74-83-9	0.48	0.62	3.1	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.50	2.5	Not Detected U
Chlorobenzene	108-90-7	0.067	0.30	0.74	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.29	0.73	Not Detected U
Cumene	98-82-8	0.097	0.32	0.79	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASML1		
Lab ID:	1510310-07A	**Date/Time Analyzed:**	10/20/15 02:17 PM
Date/Time Collected:	10/11/15 04:33 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102014

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.55	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.55	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.30	1.5	2.9
Freon 11	75-69-4	0.14	0.36	0.90	1.3
Freon 113	76-13-1	0.16	0.49	1.2	0.54 J
Heptane	142-82-5	0.063	0.26	0.66	Not Detected U
Hexachlorobutadiene	87-68-3	0.75	1.7	8.6	Not Detected U
Hexane	110-54-3	0.086	0.23	0.57	0.14 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.78 J
Propylbenzene	103-65-1	0.12	0.32	0.79	Not Detected U
Styrene	100-42-5	0.076	0.27	0.68	0.095 J
Tetrahydrofuran	109-99-9	0.70	0.70	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.067	0.29	0.73	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	95
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASML1		
Lab ID:	1510310-07B	**Date/Time Analyzed:**	10/20/15 02:17 PM
Date/Time Collected:	10/11/15 04:33 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102014sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0041	0.035	0.18	0.024 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0084	0.044	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0081	0.035	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0057	0.026	0.064	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.049	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.030 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.19	Not Detected UJ
Benzene	71-43-2	0.033	0.033	0.26	0.31
Carbon Tetrachloride	56-23-5	0.0056	0.040	0.20	0.60
Chloroethane	75-00-3	0.022	0.17	0.21	0.035 J
Chloroform	67-66-3	0.0033	0.031	0.16	0.098 J
Chloromethane	74-87-3	0.012	0.13	0.17	1.5 J
cis-1,2-Dichloroethene	156-59-2	0.0048	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.028	0.14	0.080 J
Freon 114	76-14-2	0.010	0.045	0.22	0.12 J
Freon 12	75-71-8	0.0047	0.032	0.16	2.6
m,p-Xylene	108-38-3	0.0084	0.028	0.28	0.21 J
Methyl tert-butyl ether	1634-04-4	0.0065	0.023	0.58	Not Detected U
o-Xylene	95-47-6	0.0068	0.028	0.14	0.12 J
Tetrachloroethene	127-18-4	0.0058	0.044	0.22	Not Detected U
Toluene	108-88-3	0.013	0.024	0.12	0.51
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.64	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASML1		
Lab ID:	1510310-07B	**Date/Time Analyzed:**	10/20/15 02:17 PM
Date/Time Collected:	10/11/15 04:33 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102014sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0045	0.016	0.041	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	96
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMS1		
Lab ID:	1510310-08A	**Date/Time Analyzed:**	10/20/15 02:57 PM
Date/Time Collected:	10/11/15 04:37 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102015

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.54	1.2	6.1	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.057	0.32	0.81	0.22 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.99	Not Detected U
1,2-Dichloropropane	78-87-5	0.094	0.30	0.76	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.81	Not Detected U
1,3-Butadiene	106-99-0	0.078	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.99	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.24	0.59	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.77	3.8	0.36 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.48	2.4	2.7
2-Hexanone	591-78-6	0.37	0.67	3.4	Not Detected U
2-Propanol	67-63-0	0.64	0.64	2.0	2.3 J
3-Chloropropene	107-05-1	0.35	0.51	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.15	0.32	0.81	0.22 J
4-Methyl-2-pentanone	108-10-1	0.13	0.27	0.67	0.24 J
Acetone	67-64-1	0.18	0.39	1.9	12
alpha-Chlorotoluene	100-44-7	0.12	0.34	0.85	Not Detected U
Bromodichloromethane	75-27-4	0.20	0.44	1.1	0.64 J
Bromoform	75-25-2	0.18	0.68	1.7	2.9
Bromomethane	74-83-9	0.49	0.64	3.2	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.51	2.6	0.36 J
Chlorobenzene	108-90-7	0.068	0.30	0.76	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.74	Not Detected U
Cumene	98-82-8	0.099	0.32	0.81	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMS1		
Lab ID:	1510310-08A	**Date/Time Analyzed:**	10/20/15 02:57 PM
Date/Time Collected:	10/11/15 04:37 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102015

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.22	0.56	0.32 J
Dibromochloromethane	124-48-1	0.18	0.56	1.4	1.0 J
Ethanol	64-17-5	0.23	0.31	1.5	300 J
Freon 11	75-69-4	0.14	0.37	0.92	1.6
Freon 113	76-13-1	0.16	0.50	1.2	0.63 J
Heptane	142-82-5	0.064	0.27	0.67	0.30 J
Hexachlorobutadiene	87-68-3	0.76	1.7	8.7	Not Detected U
Hexane	110-54-3	0.087	0.23	0.58	0.16 J
Methylene Chloride	75-09-2	0.12	0.23	1.1	1.6
Propylbenzene	103-65-1	0.12	0.32	0.81	Not Detected U
Styrene	100-42-5	0.077	0.28	0.70	0.36 J
Tetrahydrofuran	109-99-9	0.71	0.71	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.069	0.30	0.74	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	113
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMS1		
Lab ID:	1510310-08B	**Date/Time Analyzed:**	10/20/15 02:57 PM
Date/Time Collected:	10/11/15 04:37 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102015sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0042	0.036	0.18	0.14 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0086	0.045	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0082	0.036	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	0.019 J
1,1-Dichloroethene	75-35-4	0.0058	0.026	0.065	0.085
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.050	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.083 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.20	Not Detected UJ
Benzene	71-43-2	0.034	0.034	0.26	0.41
Carbon Tetrachloride	56-23-5	0.0057	0.041	0.21	0.74
Chloroethane	75-00-3	0.023	0.17	0.22	0.12 J
Chloroform	67-66-3	0.0034	0.032	0.16	1.5
Chloromethane	74-87-3	0.013	0.14	0.17	2.4 J
cis-1,2-Dichloroethene	156-59-2	0.0049	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.028	0.14	0.25
Freon 114	76-14-2	0.011	0.046	0.23	0.13 J
Freon 12	75-71-8	0.0048	0.032	0.16	2.7
m,p-Xylene	108-38-3	0.0085	0.028	0.28	0.76
Methyl tert-butyl ether	1634-04-4	0.0066	0.024	0.59	Not Detected U
o-Xylene	95-47-6	0.0070	0.028	0.14	0.31
Tetrachloroethene	127-18-4	0.0059	0.044	0.22	0.14 J
Toluene	108-88-3	0.013	0.025	0.12	4.4
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.65	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.18	0.85

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMS1		
Lab ID:	1510310-08B	**Date/Time Analyzed:**	10/20/15 02:57 PM
Date/Time Collected:	10/11/15 04:37 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102015sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0046	0.017	0.042	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	116
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMA2		
Lab ID:	1510310-09A	**Date/Time Analyzed:**	10/20/15 03:36 PM
Date/Time Collected:	10/11/15 04:45 PM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102016

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.58	1.3	6.5	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.061	0.35	0.86	0.18 J
1,2-Dichlorobenzene	95-50-1	0.25	0.42	1.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.10	0.32	0.81	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.17	0.35	0.86	Not Detected U
1,3-Butadiene	106-99-0	0.084	0.16	0.39	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.20	0.42	1.0	Not Detected U
1,4-Dioxane	123-91-1	0.23	0.25	0.63	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.21	0.82	4.1	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.26	0.52	2.6	0.90 J
2-Hexanone	591-78-6	0.40	0.72	3.6	Not Detected U
2-Propanol	67-63-0	0.68	0.68	2.2	1.3 J
3-Chloropropene	107-05-1	0.37	0.55	2.8	Not Detected U
4-Ethyltoluene	622-96-8	0.16	0.35	0.86	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.14	0.29	0.72	Not Detected U
Acetone	67-64-1	0.19	0.42	2.1	15
alpha-Chlorotoluene	100-44-7	0.13	0.36	0.91	Not Detected U
Bromodichloromethane	75-27-4	0.21	0.47	1.2	Not Detected U
Bromoform	75-25-2	0.20	0.73	1.8	Not Detected U
Bromomethane	74-83-9	0.52	0.68	3.4	Not Detected U
Carbon Disulfide	75-15-0	0.20	0.55	2.7	Not Detected U
Chlorobenzene	108-90-7	0.073	0.32	0.81	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.14	0.32	0.80	Not Detected U
Cumene	98-82-8	0.11	0.35	0.86	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMA2		
Lab ID:	1510310-09A	**Date/Time Analyzed:**	10/20/15 03:36 PM
Date/Time Collected:	10/11/15 04:45 PM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102016

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.24	0.60	Not Detected U
Dibromochloromethane	124-48-1	0.20	0.60	1.5	Not Detected U
Ethanol	64-17-5	0.25	0.33	1.6	2.3
Freon 11	75-69-4	0.15	0.40	0.99	1.4
Freon 113	76-13-1	0.17	0.54	1.3	0.54 J
Heptane	142-82-5	0.069	0.29	0.72	Not Detected U
Hexachlorobutadiene	87-68-3	0.82	1.9	9.4	Not Detected U
Hexane	110-54-3	0.094	0.25	0.62	0.11 J
Methylene Chloride	75-09-2	0.12	0.24	1.2	0.58 J
Propylbenzene	103-65-1	0.13	0.35	0.86	Not Detected U
Styrene	100-42-5	0.083	0.30	0.75	0.28 J
Tetrahydrofuran	109-99-9	0.77	0.77	2.6	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.074	0.32	0.80	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	92
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMA2		
Lab ID:	1510310-09B	**Date/Time Analyzed:**	10/20/15 03:36 PM
Date/Time Collected:	10/11/15 04:45 PM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102016sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0045	0.038	0.19	0.018 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0092	0.048	0.24	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0088	0.038	0.19	Not Detected U
1,1-Dichloroethane	75-34-3	0.0026	0.028	0.14	Not Detected U
1,1-Dichloroethene	75-35-4	0.0063	0.028	0.070	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.013	0.054	0.27	Not Detected U
1,2-Dichloroethane	107-06-2	0.0041	0.028	0.14	0.034 J
1,4-Dichlorobenzene	106-46-7	0.024	0.042	0.21	Not Detected UJ
Benzene	71-43-2	0.036	0.036	0.28	0.33
Carbon Tetrachloride	56-23-5	0.0061	0.044	0.22	0.53
Chloroethane	75-00-3	0.024	0.18	0.23	0.039 J
Chloroform	67-66-3	0.0036	0.034	0.17	0.088 J
Chloromethane	74-87-3	0.014	0.14	0.18	1.6 J
cis-1,2-Dichloroethene	156-59-2	0.0052	0.028	0.14	Not Detected U
Ethyl Benzene	100-41-4	0.026	0.030	0.15	0.093 J
Freon 114	76-14-2	0.012	0.049	0.25	0.11 J
Freon 12	75-71-8	0.0051	0.035	0.17	2.5
m,p-Xylene	108-38-3	0.0092	0.030	0.30	0.24 J
Methyl tert-butyl ether	1634-04-4	0.0071	0.025	0.63	Not Detected U
o-Xylene	95-47-6	0.0075	0.030	0.15	0.086 J
Tetrachloroethene	127-18-4	0.0063	0.048	0.24	Not Detected U
Toluene	108-88-3	0.014	0.026	0.13	0.94
trans-1,2-Dichloroethene	156-60-5	0.0061	0.028	0.70	Not Detected U
Trichloroethene	79-01-6	0.016	0.038	0.19	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMA2		
Lab ID:	1510310-09B	**Date/Time Analyzed:**	10/20/15 03:36 PM
Date/Time Collected:	10/11/15 04:45 PM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102016sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0049	0.018	0.045	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMB2		
Lab ID:	1510310-10A	**Date/Time Analyzed:**	10/22/15 01:23 PM
Date/Time Collected:	10/11/15 04:48 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102207

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.54	1.2	6.0	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.056	0.32	0.80	0.13 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.98	Not Detected U
1,2-Dichloropropane	78-87-5	0.093	0.30	0.75	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.80	Not Detected U
1,3-Butadiene	106-99-0	0.078	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.98	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.23	0.59	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.76	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.48	2.4	1.4 J
2-Hexanone	591-78-6	0.37	0.67	3.3	Not Detected U
2-Propanol	67-63-0	0.63	0.63	2.0	0.70 J
3-Chloropropene	107-05-1	0.35	0.51	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.32	0.80	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.13	0.27	0.67	Not Detected U
Acetone	67-64-1	0.18	0.39	1.9	9.5
alpha-Chlorotoluene	100-44-7	0.12	0.34	0.84	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.44	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.67	1.7	Not Detected U
Bromomethane	74-83-9	0.49	0.63	3.2	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.51	2.5	Not Detected U
Chlorobenzene	108-90-7	0.067	0.30	0.75	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.74	Not Detected U
Cumene	98-82-8	0.098	0.32	0.80	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMB2		
Lab ID:	1510310-10A	**Date/Time Analyzed:**	10/22/15 01:23 PM
Date/Time Collected:	10/11/15 04:48 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102207

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.22	0.56	0.17 J
Dibromochloromethane	124-48-1	0.18	0.56	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.31	1.5	1.9
Freon 11	75-69-4	0.14	0.37	0.92	1.3
Freon 113	76-13-1	0.16	0.50	1.2	0.60 J
Heptane	142-82-5	0.064	0.27	0.67	Not Detected U
Hexachlorobutadiene	87-68-3	0.76	1.7	8.7	Not Detected U
Hexane	110-54-3	0.087	0.23	0.57	0.096 J
Methylene Chloride	75-09-2	0.11	0.23	1.1	0.90 J
Propylbenzene	103-65-1	0.12	0.32	0.80	Not Detected U
Styrene	100-42-5	0.076	0.28	0.69	0.13 J
Tetrahydrofuran	109-99-9	0.71	0.71	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.068	0.30	0.74	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	111
4-Bromofluorobenzene	460-00-4	79-114	90
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMB2		
Lab ID:	1510310-10B	**Date/Time Analyzed:**	10/22/15 01:23 PM
Date/Time Collected:	10/11/15 04:48 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102207sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0042	0.036	0.18	0.019 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0085	0.045	0.22	0.016 J
1,1,2-Trichloroethane	79-00-5	0.0082	0.036	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0058	0.026	0.065	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.050	0.25	0.032 J
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.042 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.20	0.036 J
Benzene	71-43-2	0.034	0.034	0.26	0.33
Carbon Tetrachloride	56-23-5	0.0056	0.041	0.20	0.53
Chloroethane	75-00-3	0.022	0.17	0.22	0.050 J
Chloroform	67-66-3	0.0033	0.032	0.16	0.086 J
Chloromethane	74-87-3	0.013	0.13	0.17	1.6
cis-1,2-Dichloroethene	156-59-2	0.0048	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.028	0.14	0.12 J
Freon 114	76-14-2	0.011	0.046	0.23	0.13 J
Freon 12	75-71-8	0.0048	0.032	0.16	2.7
m,p-Xylene	108-38-3	0.0085	0.028	0.28	0.37
Methyl tert-butyl ether	1634-04-4	0.0066	0.024	0.59	Not Detected U
o-Xylene	95-47-6	0.0069	0.028	0.14	0.13 J
Tetrachloroethene	127-18-4	0.0059	0.044	0.22	0.037 J
Toluene	108-88-3	0.013	0.024	0.12	2.4
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.65	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.18	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMB2		
Lab ID:	1510310-10B	**Date/Time Analyzed:**	10/22/15 01:23 PM
Date/Time Collected:	10/11/15 04:48 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102207sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0046	0.017	0.042	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	113
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510310-11A	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.33	0.74	3.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.035	0.20	0.49	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.14	0.24	0.60	Not Detected U
1,2-Dichloropropane	78-87-5	0.057	0.18	0.46	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.096	0.20	0.49	Not Detected U
1,3-Butadiene	106-99-0	0.048	0.088	0.22	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.12	0.24	0.60	Not Detected U
1,4-Dioxane	123-91-1	0.13	0.14	0.36	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.12	0.47	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.15	0.29	1.5	Not Detected U
2-Hexanone	591-78-6	0.22	0.41	2.0	Not Detected U
2-Propanol	67-63-0	0.39	0.39	1.2	Not Detected UJ
3-Chloropropene	107-05-1	0.21	0.31	1.6	Not Detected U
4-Ethyltoluene	622-96-8	0.089	0.20	0.49	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.078	0.16	0.41	Not Detected U
Acetone	67-64-1	0.11	0.24	1.2	0.53 J
alpha-Chlorotoluene	100-44-7	0.073	0.21	0.52	Not Detected U
Bromodichloromethane	75-27-4	0.12	0.27	0.67	Not Detected U
Bromoform	75-25-2	0.11	0.41	1.0	Not Detected U
Bromomethane	74-83-9	0.30	0.39	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.12	0.31	1.6	Not Detected U
Chlorobenzene	108-90-7	0.041	0.18	0.46	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.078	0.18	0.45	Not Detected U
Cumene	98-82-8	0.060	0.20	0.49	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	Lab Blank		
Lab ID:	1510310-11A	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.071	0.14	0.34	Not Detected U
Dibromochloromethane	124-48-1	0.11	0.34	0.85	Not Detected U
Ethanol	64-17-5	0.14	0.19	0.94	0.40 J
Freon 11	75-69-4	0.088	0.22	0.56	Not Detected U
Freon 113	76-13-1	0.097	0.31	0.77	Not Detected U
Heptane	142-82-5	0.039	0.16	0.41	Not Detected U
Hexachlorobutadiene	87-68-3	0.47	1.1	5.3	Not Detected U
Hexane	110-54-3	0.053	0.14	0.35	Not Detected U
Methylene Chloride	75-09-2	0.070	0.14	0.69	0.26 J
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected U
Styrene	100-42-5	0.047	0.17	0.42	Not Detected U
Tetrahydrofuran	109-99-9	0.44	0.44	1.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.042	0.18	0.45	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	91
Toluene-d8	2037-26-5	89-108	96

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510310-11B	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0026	0.022	0.11	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0052	0.027	0.14	0.0096 J
1,1,2-Trichloroethane	79-00-5	0.0050	0.022	0.11	Not Detected U
1,1-Dichloroethane	75-34-3	0.0015	0.016	0.081	Not Detected U
1,1-Dichloroethene	75-35-4	0.0036	0.016	0.040	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.0074	0.031	0.15	0.011 J
1,2-Dichloroethane	107-06-2	0.0023	0.016	0.081	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.013	0.024	0.12	0.027 J
Benzene	71-43-2	0.021	0.021	0.16	Not Detected U
Carbon Tetrachloride	56-23-5	0.0035	0.025	0.12	Not Detected U
Chloroethane	75-00-3	0.014	0.10	0.13	Not Detected U
Chloroform	67-66-3	0.0020	0.020	0.098	Not Detected U
Chloromethane	74-87-3	0.0077	0.083	0.10	Not Detected UJ
cis-1,2-Dichloroethene	156-59-2	0.0030	0.016	0.079	Not Detected U
Ethyl Benzene	100-41-4	0.014	0.017	0.087	Not Detected U
Freon 114	76-14-2	0.0066	0.028	0.14	Not Detected U
Freon 12	75-71-8	0.0029	0.020	0.099	Not Detected U
m,p-Xylene	108-38-3	0.0052	0.017	0.17	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.0040	0.014	0.36	Not Detected U
o-Xylene	95-47-6	0.0042	0.017	0.087	Not Detected U
Tetrachloroethene	127-18-4	0.0036	0.027	0.14	Not Detected U
Toluene	108-88-3	0.0080	0.015	0.075	0.011 J
trans-1,2-Dichloroethene	156-60-5	0.0034	0.016	0.40	Not Detected U
Trichloroethene	79-01-6	0.0088	0.022	0.11	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	Lab Blank		
Lab ID:	1510310-11B	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0028	0.010	0.026	Not Detected U

U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	109
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510310-11C	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.33	0.74	3.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.035	0.20	0.49	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.14	0.24	0.60	Not Detected U
1,2-Dichloropropane	78-87-5	0.057	0.18	0.46	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.096	0.20	0.49	Not Detected U
1,3-Butadiene	106-99-0	0.048	0.088	0.22	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.12	0.24	0.60	Not Detected U
1,4-Dioxane	123-91-1	0.13	0.14	0.36	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.12	0.47	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.15	0.29	1.5	Not Detected U
2-Hexanone	591-78-6	0.22	0.41	2.0	Not Detected U
2-Propanol	67-63-0	0.39	0.39	1.2	Not Detected U
3-Chloropropene	107-05-1	0.21	0.31	1.6	Not Detected U
4-Ethyltoluene	622-96-8	0.089	0.20	0.49	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.078	0.16	0.41	Not Detected U
Acetone	67-64-1	0.11	0.24	1.2	0.42 J
alpha-Chlorotoluene	100-44-7	0.073	0.21	0.52	Not Detected U
Bromodichloromethane	75-27-4	0.12	0.27	0.67	Not Detected U
Bromoform	75-25-2	0.11	0.41	1.0	Not Detected U
Bromomethane	74-83-9	0.30	0.39	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.12	0.31	1.6	Not Detected U
Chlorobenzene	108-90-7	0.041	0.18	0.46	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.078	0.18	0.45	Not Detected U
Cumene	98-82-8	0.060	0.20	0.49	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510310-11C	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.071	0.14	0.34	Not Detected U
Dibromochloromethane	124-48-1	0.11	0.34	0.85	Not Detected U
Ethanol	64-17-5	0.14	0.19	0.94	0.32 J
Freon 11	75-69-4	0.088	0.22	0.56	Not Detected U
Freon 113	76-13-1	0.097	0.31	0.77	Not Detected U
Heptane	142-82-5	0.039	0.16	0.41	Not Detected U
Hexachlorobutadiene	87-68-3	0.47	1.1	5.3	Not Detected U
Hexane	110-54-3	0.053	0.14	0.35	Not Detected U
Methylene Chloride	75-09-2	0.070	0.14	0.69	0.30 J
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected U
Styrene	100-42-5	0.047	0.17	0.42	Not Detected U
Tetrahydrofuran	109-99-9	0.44	0.44	1.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.042	0.18	0.45	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	111
4-Bromofluorobenzene	460-00-4	79-114	90
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510310-11D	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206sima

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0026	0.022	0.11	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0052	0.027	0.14	0.013 J
1,1,2-Trichloroethane	79-00-5	0.0050	0.022	0.11	Not Detected U
1,1-Dichloroethane	75-34-3	0.0015	0.016	0.081	Not Detected U
1,1-Dichloroethene	75-35-4	0.0036	0.016	0.040	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.0074	0.031	0.15	0.024 J
1,2-Dichloroethane	107-06-2	0.0023	0.016	0.081	0.0070 J
1,4-Dichlorobenzene	106-46-7	0.013	0.024	0.12	0.036 J
Benzene	71-43-2	0.021	0.021	0.16	Not Detected U
Carbon Tetrachloride	56-23-5	0.0035	0.025	0.12	Not Detected U
Chloroethane	75-00-3	0.014	0.10	0.13	Not Detected U
Chloroform	67-66-3	0.0020	0.020	0.098	Not Detected U
Chloromethane	74-87-3	0.0077	0.083	0.10	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.0030	0.016	0.079	Not Detected U
Ethyl Benzene	100-41-4	0.014	0.017	0.087	Not Detected U
Freon 114	76-14-2	0.0066	0.028	0.14	Not Detected U
Freon 12	75-71-8	0.0029	0.020	0.099	Not Detected U
m,p-Xylene	108-38-3	0.0052	0.017	0.17	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.0040	0.014	0.36	Not Detected U
o-Xylene	95-47-6	0.0042	0.017	0.087	Not Detected U
Tetrachloroethene	127-18-4	0.0036	0.027	0.14	Not Detected U
Toluene	108-88-3	0.0080	0.015	0.075	0.010 J
trans-1,2-Dichloroethene	156-60-5	0.0034	0.016	0.40	Not Detected U
Trichloroethene	79-01-6	0.0088	0.022	0.11	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	Lab Blank		
Lab ID:	1510310-11D	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206sima

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0028	0.010	0.026	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510310-12A	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	86
1,2,4-Trimethylbenzene	95-63-6	81
1,2-Dichlorobenzene	95-50-1	80
1,2-Dichloropropane	78-87-5	87
1,3,5-Trimethylbenzene	108-67-8	84
1,3-Butadiene	106-99-0	82
1,3-Dichlorobenzene	541-73-1	81
1,4-Dioxane	123-91-1	82
2,2,4-Trimethylpentane	540-84-1	79
2-Butanone (Methyl Ethyl Ketone)	78-93-3	81
2-Hexanone	591-78-6	74
2-Propanol	67-63-0	68 Q
3-Chloropropene	107-05-1	81
4-Ethyltoluene	622-96-8	78
4-Methyl-2-pentanone	108-10-1	83
Acetone	67-64-1	86
alpha-Chlorotoluene	100-44-7	80
Bromodichloromethane	75-27-4	92
Bromoform	75-25-2	91
Bromomethane	74-83-9	100
Carbon Disulfide	75-15-0	85
Chlorobenzene	108-90-7	84
cis-1,3-Dichloropropene	10061-01-5	84
Cumene	98-82-8	86

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510310-12A	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	81
Dibromochloromethane	124-48-1	89
Ethanol	64-17-5	78
Freon 11	75-69-4	83
Freon 113	76-13-1	80
Heptane	142-82-5	87
Hexachlorobutadiene	87-68-3	77
Hexane	110-54-3	79
Methylene Chloride	75-09-2	80
Propylbenzene	103-65-1	80
Styrene	100-42-5	74
Tetrahydrofuran	109-99-9	80
trans-1,3-Dichloropropene	10061-02-6	82

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	96
4-Bromofluorobenzene	460-00-4	79-114	102
Toluene-d8	2037-26-5	89-108	102

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510310-12B	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	83
1,1,2,2-Tetrachloroethane	79-34-5	90
1,1,2-Trichloroethane	79-00-5	86
1,1-Dichloroethane	75-34-3	81
1,1-Dichloroethene	75-35-4	73
1,2-Dibromoethane (EDB)	106-93-4	88
1,2-Dichloroethane	107-06-2	82
1,4-Dichlorobenzene	106-46-7	69 Q
Benzene	71-43-2	78
Carbon Tetrachloride	56-23-5	103
Chloroethane	75-00-3	86
Chloroform	67-66-3	79
Chloromethane	74-87-3	68 Q
cis-1,2-Dichloroethene	156-59-2	76
Ethyl Benzene	100-41-4	87
Freon 114	76-14-2	80
Freon 12	75-71-8	84
m,p-Xylene	108-38-3	88
Methyl tert-butyl ether	1634-04-4	81
o-Xylene	95-47-6	86
Tetrachloroethene	127-18-4	76
Toluene	108-88-3	85
trans-1,2-Dichloroethene	156-60-5	77
Trichloroethene	79-01-6	70

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510310-12B	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	74

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	104
Toluene-d8	2037-26-5	92-110	102

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510310-12C	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	90
1,2,4-Trimethylbenzene	95-63-6	85
1,2-Dichlorobenzene	95-50-1	84
1,2-Dichloropropane	78-87-5	92
1,3,5-Trimethylbenzene	108-67-8	86
1,3-Butadiene	106-99-0	82
1,3-Dichlorobenzene	541-73-1	85
1,4-Dioxane	123-91-1	83
2,2,4-Trimethylpentane	540-84-1	78
2-Butanone (Methyl Ethyl Ketone)	78-93-3	99
2-Hexanone	591-78-6	73
2-Propanol	67-63-0	75
3-Chloropropene	107-05-1	79
4-Ethyltoluene	622-96-8	82
4-Methyl-2-pentanone	108-10-1	84
Acetone	67-64-1	84
alpha-Chlorotoluene	100-44-7	83
Bromodichloromethane	75-27-4	95
Bromoform	75-25-2	94
Bromomethane	74-83-9	103
Carbon Disulfide	75-15-0	86
Chlorobenzene	108-90-7	86
cis-1,3-Dichloropropene	10061-01-5	86
Cumene	98-82-8	87

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510310-12C	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	78
Dibromochloromethane	124-48-1	94
Ethanol	64-17-5	80
Freon 11	75-69-4	85
Freon 113	76-13-1	80
Heptane	142-82-5	91
Hexachlorobutadiene	87-68-3	80
Hexane	110-54-3	77
Methylene Chloride	75-09-2	81
Propylbenzene	103-65-1	83
Styrene	100-42-5	73
Tetrahydrofuran	109-99-9	78
trans-1,3-Dichloropropene	10061-02-6	87

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	99
Toluene-d8	2037-26-5	89-108	103

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510310-12D	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	84
1,1,2,2-Tetrachloroethane	79-34-5	97
1,1,2-Trichloroethane	79-00-5	91
1,1-Dichloroethane	75-34-3	82
1,1-Dichloroethene	75-35-4	72
1,2-Dibromoethane (EDB)	106-93-4	93
1,2-Dichloroethane	107-06-2	88
1,4-Dichlorobenzene	106-46-7	74
Benzene	71-43-2	84
Carbon Tetrachloride	56-23-5	104
Chloroethane	75-00-3	88
Chloroform	67-66-3	81
Chloromethane	74-87-3	71
cis-1,2-Dichloroethene	156-59-2	76
Ethyl Benzene	100-41-4	89
Freon 114	76-14-2	82
Freon 12	75-71-8	87
m,p-Xylene	108-38-3	88
Methyl tert-butyl ether	1634-04-4	78
o-Xylene	95-47-6	86
Tetrachloroethene	127-18-4	80
Toluene	108-88-3	88
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	72

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510310-12D	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	75

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	100
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	103

eurofins | Air Toxics

Client ID:	LCS		
Lab ID:	1510310-13A	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	104
1,2-Dichlorobenzene	95-50-1	97
1,2-Dichloropropane	78-87-5	103
1,3,5-Trimethylbenzene	108-67-8	109
1,3-Butadiene	106-99-0	97
1,3-Dichlorobenzene	541-73-1	100
1,4-Dioxane	123-91-1	102
2,2,4-Trimethylpentane	540-84-1	98
2-Butanone (Methyl Ethyl Ketone)	78-93-3	98
2-Hexanone	591-78-6	105
2-Propanol	67-63-0	92
3-Chloropropene	107-05-1	100
4-Ethyltoluene	622-96-8	99
4-Methyl-2-pentanone	108-10-1	107
Acetone	67-64-1	93
alpha-Chlorotoluene	100-44-7	108
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	115
Bromomethane	74-83-9	124
Carbon Disulfide	75-15-0	89
Chlorobenzene	108-90-7	102
cis-1,3-Dichloropropene	10061-01-5	96
Cumene	98-82-8	106

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510310-13A	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	98
Dibromochloromethane	124-48-1	112
Ethanol	64-17-5	101
Freon 11	75-69-4	104
Freon 113	76-13-1	94
Heptane	142-82-5	102
Hexachlorobutadiene	87-68-3	87
Hexane	110-54-3	97
Methylene Chloride	75-09-2	92
Propylbenzene	103-65-1	103
Styrene	100-42-5	107
Tetrahydrofuran	109-99-9	96
trans-1,3-Dichloropropene	10061-02-6	106

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	98
4-Bromofluorobenzene	460-00-4	79-114	100
Toluene-d8	2037-26-5	89-108	102

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

Client ID:	LCSD		
Lab ID:	1510310-13AA	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	101
1,2,4-Trimethylbenzene	95-63-6	100
1,2-Dichlorobenzene	95-50-1	97
1,2-Dichloropropane	78-87-5	105
1,3,5-Trimethylbenzene	108-67-8	107
1,3-Butadiene	106-99-0	96
1,3-Dichlorobenzene	541-73-1	98
1,4-Dioxane	123-91-1	105
2,2,4-Trimethylpentane	540-84-1	97
2-Butanone (Methyl Ethyl Ketone)	78-93-3	99
2-Hexanone	591-78-6	106
2-Propanol	67-63-0	104
3-Chloropropene	107-05-1	98
4-Ethyltoluene	622-96-8	96
4-Methyl-2-pentanone	108-10-1	109
Acetone	67-64-1	92
alpha-Chlorotoluene	100-44-7	109
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	115
Bromomethane	74-83-9	123
Carbon Disulfide	75-15-0	89
Chlorobenzene	108-90-7	101
cis-1,3-Dichloropropene	10061-01-5	98
Cumene	98-82-8	104

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510310-13AA	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	98
Dibromochloromethane	124-48-1	113
Ethanol	64-17-5	105
Freon 11	75-69-4	102
Freon 113	76-13-1	94
Heptane	142-82-5	101
Hexachlorobutadiene	87-68-3	89
Hexane	110-54-3	96
Methylene Chloride	75-09-2	94
Propylbenzene	103-65-1	98
Styrene	100-42-5	106
Tetrahydrofuran	109-99-9	96
trans-1,3-Dichloropropene	10061-02-6	105

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	95
4-Bromofluorobenzene	460-00-4	79-114	99
Toluene-d8	2037-26-5	89-108	102

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510310-13B	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	88
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	88
1,2-Dibromoethane (EDB)	106-93-4	109
1,2-Dichloroethane	107-06-2	96
1,4-Dichlorobenzene	106-46-7	85
Benzene	71-43-2	94
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	106
Chloroform	67-66-3	93
Chloromethane	74-87-3	81
cis-1,2-Dichloroethene	156-59-2	99
Ethyl Benzene	100-41-4	107
Freon 114	76-14-2	99
Freon 12	75-71-8	101
m,p-Xylene	108-38-3	109
Methyl tert-butyl ether	1634-04-4	93
o-Xylene	95-47-6	109
Tetrachloroethene	127-18-4	94
Toluene	108-88-3	102
trans-1,2-Dichloroethene	156-60-5	80
Trichloroethene	79-01-6	101

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510310-13B	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	91

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	97
4-Bromofluorobenzene	460-00-4	80-117	103
Toluene-d8	2037-26-5	92-110	103

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510310-13BB	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	88
1,1,2-Trichloroethane	79-00-5	106
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	88
1,2-Dibromoethane (EDB)	106-93-4	110
1,2-Dichloroethane	107-06-2	96
1,4-Dichlorobenzene	106-46-7	84
Benzene	71-43-2	94
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	105
Chloroform	67-66-3	93
Chloromethane	74-87-3	80
cis-1,2-Dichloroethene	156-59-2	99
Ethyl Benzene	100-41-4	107
Freon 114	76-14-2	98
Freon 12	75-71-8	100
m,p-Xylene	108-38-3	108
Methyl tert-butyl ether	1634-04-4	94
o-Xylene	95-47-6	109
Tetrachloroethene	127-18-4	94
Toluene	108-88-3	102
trans-1,2-Dichloroethene	156-60-5	80
Trichloroethene	79-01-6	101

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510310-13BB	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	90

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	96
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	103

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	LCS		
Lab ID:	1510310-13C	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	99
1,2-Dichlorobenzene	95-50-1	92
1,2-Dichloropropane	78-87-5	106
1,3,5-Trimethylbenzene	108-67-8	104
1,3-Butadiene	106-99-0	94
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	100
2,2,4-Trimethylpentane	540-84-1	90
2-Butanone (Methyl Ethyl Ketone)	78-93-3	94
2-Hexanone	591-78-6	97
2-Propanol	67-63-0	96
3-Chloropropene	107-05-1	91
4-Ethyltoluene	622-96-8	93
4-Methyl-2-pentanone	108-10-1	104
Acetone	67-64-1	91
alpha-Chlorotoluene	100-44-7	101
Bromodichloromethane	75-27-4	112
Bromoform	75-25-2	111
Bromomethane	74-83-9	120
Carbon Disulfide	75-15-0	87
Chlorobenzene	108-90-7	98
cis-1,3-Dichloropropene	10061-01-5	93
Cumene	98-82-8	100

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510310-13C	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	92
Dibromochloromethane	124-48-1	111
Ethanol	64-17-5	96
Freon 11	75-69-4	101
Freon 113	76-13-1	90
Heptane	142-82-5	103
Hexachlorobutadiene	87-68-3	88
Hexane	110-54-3	91
Methylene Chloride	75-09-2	92
Propylbenzene	103-65-1	96
Styrene	100-42-5	100
Tetrahydrofuran	109-99-9	90
trans-1,3-Dichloropropene	10061-02-6	102

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	96
Toluene-d8	2037-26-5	89-108	104

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	LCSD		
Lab ID:	1510310-13CC	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	97
1,2-Dichlorobenzene	95-50-1	93
1,2-Dichloropropane	78-87-5	106
1,3,5-Trimethylbenzene	108-67-8	103
1,3-Butadiene	106-99-0	92
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	100
2,2,4-Trimethylpentane	540-84-1	90
2-Butanone (Methyl Ethyl Ketone)	78-93-3	92
2-Hexanone	591-78-6	98
2-Propanol	67-63-0	85
3-Chloropropene	107-05-1	92
4-Ethyltoluene	622-96-8	93
4-Methyl-2-pentanone	108-10-1	103
Acetone	67-64-1	88
alpha-Chlorotoluene	100-44-7	100
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	113
Bromomethane	74-83-9	117
Carbon Disulfide	75-15-0	86
Chlorobenzene	108-90-7	99
cis-1,3-Dichloropropene	10061-01-5	91
Cumene	98-82-8	99

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510310-13CC	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	91
Dibromochloromethane	124-48-1	111
Ethanol	64-17-5	96
Freon 11	75-69-4	99
Freon 113	76-13-1	89
Heptane	142-82-5	101
Hexachlorobutadiene	87-68-3	88
Hexane	110-54-3	90
Methylene Chloride	75-09-2	91
Propylbenzene	103-65-1	96
Styrene	100-42-5	99
Tetrahydrofuran	109-99-9	90
trans-1,3-Dichloropropene	10061-02-6	103

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	96
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	103

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

Client ID:	LCS		
Lab ID:	1510310-13D	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	96
1,1,2,2-Tetrachloroethane	79-34-5	86
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	92
1,1-Dichloroethene	75-35-4	83
1,2-Dibromoethane (EDB)	106-93-4	108
1,2-Dichloroethane	107-06-2	98
1,4-Dichlorobenzene	106-46-7	82
Benzene	71-43-2	96
Carbon Tetrachloride	56-23-5	131
Chloroethane	75-00-3	104
Chloroform	67-66-3	92
Chloromethane	74-87-3	80
cis-1,2-Dichloroethene	156-59-2	95
Ethyl Benzene	100-41-4	102
Freon 114	76-14-2	97
Freon 12	75-71-8	100
m,p-Xylene	108-38-3	102
Methyl tert-butyl ether	1634-04-4	86
o-Xylene	95-47-6	101
Tetrachloroethene	127-18-4	92
Toluene	108-88-3	101
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	102

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510310-13D	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	89

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	99
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510310-13DD	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	95
1,1,2,2-Tetrachloroethane	79-34-5	85
1,1,2-Trichloroethane	79-00-5	104
1,1-Dichloroethane	75-34-3	91
1,1-Dichloroethene	75-35-4	83
1,2-Dibromoethane (EDB)	106-93-4	108
1,2-Dichloroethane	107-06-2	97
1,4-Dichlorobenzene	106-46-7	81
Benzene	71-43-2	93
Carbon Tetrachloride	56-23-5	130
Chloroethane	75-00-3	103
Chloroform	67-66-3	91
Chloromethane	74-87-3	79
cis-1,2-Dichloroethene	156-59-2	94
Ethyl Benzene	100-41-4	101
Freon 114	76-14-2	95
Freon 12	75-71-8	99
m,p-Xylene	108-38-3	101
Methyl tert-butyl ether	1634-04-4	86
o-Xylene	95-47-6	100
Tetrachloroethene	127-18-4	91
Toluene	108-88-3	99
trans-1,2-Dichloroethene	156-60-5	77
Trichloroethene	79-01-6	101

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510310-13DD	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	87

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

10/23/2015
Mr. Mike Dryden
Earth Toxics, Inc.
206 Quail Way

Logan UT 84321

Project Name: EARTH TOXICS
Project #:
Workorder #: 1510311

Dear Mr. Mike Dryden

The following report includes the data for the above referenced project for sample(s) received on 10/16/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1510311

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	EARTH TOXICS
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	TENTIASMD1	Modified TO-15	3.1 "Hg	5.2 psi
01B	TENTIASMD1	Modified TO-15	3.1 "Hg	5.2 psi
02A	TENTIASMC7	Modified TO-15	2.8 "Hg	5 psi
02B	TENTIASMC7	Modified TO-15	2.8 "Hg	5 psi
03A	TENTIASMA9	Modified TO-15	5.7 "Hg	5 psi
03B	TENTIASMA9	Modified TO-15	5.7 "Hg	5 psi
04A	TENTIASMS3	Modified TO-15	3.7 "Hg	4.9 psi
04B	TENTIASMS3	Modified TO-15	3.7 "Hg	4.9 psi
05A	TENTIASMD10	Modified TO-15	4.3 "Hg	5 psi
05B	TENTIASMD10	Modified TO-15	4.3 "Hg	5 psi
06A	TENTIASMC13	Modified TO-15	5.7 "Hg	4.8 psi
06B	TENTIASMC13	Modified TO-15	5.7 "Hg	4.8 psi
07A	TENTIASMC13D	Modified TO-15	4.1 "Hg	4.7 psi
07B	TENTIASMC13D	Modified TO-15	4.1 "Hg	4.7 psi
08A	TENTIASMD11	Modified TO-15	4.5 "Hg	4.7 psi
08B	TENTIASMD11	Modified TO-15	4.5 "Hg	4.7 psi
09A	TENTIASMB14	Modified TO-15	5.5 "Hg	4.9 psi
09B	TENTIASMB14	Modified TO-15	5.5 "Hg	4.9 psi
10A	TENTIASMA13	Modified TO-15	2 "Hg	5.2 psi
10B	TENTIASMA13	Modified TO-15	2 "Hg	5.2 psi
11A	Lab Blank	Modified TO-15	NA	NA
11B	Lab Blank	Modified TO-15	NA	NA
11C	Lab Blank	Modified TO-15	NA	NA

Continued on next page

eurofins | Air Toxics

WORK ORDER #: 1510311

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	EARTH TOXICS
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
11D	Lab Blank	Modified TO-15	NA	NA
12A	CCV	Modified TO-15	NA	NA
12B	CCV	Modified TO-15	NA	NA
12C	CCV	Modified TO-15	NA	NA
12D	CCV	Modified TO-15	NA	NA
13A	LCS	Modified TO-15	NA	NA
13AA	LCSD	Modified TO-15	NA	NA
13B	LCS	Modified TO-15	NA	NA
13BB	LCSD	Modified TO-15	NA	NA
13C	LCS	Modified TO-15	NA	NA
13CC	LCSD	Modified TO-15	NA	NA
13D	LCS	Modified TO-15	NA	NA
13DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 10/23/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
DoD QSM 5.0 TO-15 LL/SIM
Earth Toxics, Inc.
Workorder# 1510311

Ten 6 Liter Summa Canister (SIM Certified) samples were received on October 16, 2015. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications and DoD QSM 5.0 modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the modifications.

Requirement	***TO-15 LL/SIM DoD QS***	***ATL Modifications***
Blank and standards	Zero air	UHP Nitrogren provides a higher purity gas matrix than zero air
Daily Calibration	+- 30% Difference	For Std. Full Scan: </= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
DoD QSM 5.0 Module 4 (1.7.1.1.j, 1.5.2.1.b, 1.5.2.2.c) Surrogates	Quantification of surrogates requires a multi-point calibration and determination of DL and LOQ.	Quantification achieved using a multipoint calibration at a single concentration, analogous to internal standards. DLs and LOQs are not established.
DoD QSM 5.0 Section 2.2.1 PT Requirement	Two PT samples per year for each analyte-matrix-method combination are required.	Not all analyte-matrix-method combinations on the scope of accreditation are available from the current PT providers.
DoD QSM 5.0 Section 1.7.4.1 Lab Blank	No analytes detected at >1/2 LOQ	No analytes detected at >/=LOQ.
Initial Calibration	</=30%RSD with 2 compounds out up to 40%RSD	(Full Scan): </=30%RSD with 4 compounds out up to 40%RSD SIM: Default criterion is </=30%RSD with 10% VOCs out up to 40%RSD.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. All The canisters used for this project have been certified to the Reporting Limit for the target analytes included in this workorder. Concentrations that are below the level at which the canister was certified may be false positives.

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

The Continuing Calibration Verification (CCV) analyzed on 10/20/15 was outside the laboratory acceptance criteria of 30% D for compounds 2-Propanol, Chloromethane and 1,4-Dichlorobenzene.

The Continuing Calibration Verification (CCV) analyzed on 10/21/15 was outside the laboratory acceptance criteria of 30% D for compound 2-Propanol.

Chloromethane, cis-1,2-Dichloroethene and Carbon Tetrachloride were manually integrated in the initial calibration.

Carbon Tetrachloride exceeded ICV project acceptance criterion of </=30% Recovery (%R) in the intial calibration.

The Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (LCSD) analyzed on 10/20/15 and 10/21/15 did not meet in-house generated control limits per DoD criteria for Carbon Tetrachloride.

The per analytical batch duplicate analysis required for this project is associated with work orders 1510310 and 1510312.

Chloromethane was manually integrated in samples TENTIASMA9, TENTIASMS3, TENTIASMC13, TENTIASMC13D, TENTIASMB14 and TENTIASMA13.

Dilution was performed on sample TENTIASMC13D due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See

data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

CN - See case narrative explanation

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMD1		
Lab ID:	1510311-01A	**Date/Time Analyzed:**	10/20/15 04:15 PM
Date/Time Collected:	10/11/15 03:48 PM	**Dilution Factor:**	1.51
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102017

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.50	1.1	5.6	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.052	0.30	0.74	0.13 J
1,2-Dichlorobenzene	95-50-1	0.22	0.36	0.91	Not Detected U
1,2-Dichloropropane	78-87-5	0.086	0.28	0.70	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.30	0.74	Not Detected U
1,3-Butadiene	106-99-0	0.072	0.13	0.33	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.36	0.91	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.22	0.54	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.70	3.5	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.44	2.2	1.5 J
2-Hexanone	591-78-6	0.34	0.62	3.1	Not Detected U
2-Propanol	67-63-0	0.59	0.59	1.8	1.3 J
3-Chloropropene	107-05-1	0.32	0.47	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.30	0.74	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.25	0.62	0.17 J
Acetone	67-64-1	0.16	0.36	1.8	14
alpha-Chlorotoluene	100-44-7	0.11	0.31	0.78	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.40	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.62	1.6	Not Detected U
Bromomethane	74-83-9	0.45	0.59	2.9	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.47	2.4	Not Detected U
Chlorobenzene	108-90-7	0.062	0.28	0.70	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.27	0.68	Not Detected U
Cumene	98-82-8	0.091	0.30	0.74	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMD1		
Lab ID:	1510311-01A	**Date/Time Analyzed:**	10/20/15 04:15 PM
Date/Time Collected:	10/11/15 03:48 PM	**Dilution Factor:**	1.51
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102017

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.52	0.45 J
Dibromochloromethane	124-48-1	0.17	0.51	1.3	Not Detected U
Ethanol	64-17-5	0.21	0.28	1.4	2.4
Freon 11	75-69-4	0.13	0.34	0.85	1.4
Freon 113	76-13-1	0.15	0.46	1.2	0.58 J
Heptane	142-82-5	0.059	0.25	0.62	Not Detected U
Hexachlorobutadiene	87-68-3	0.70	1.6	8.0	Not Detected U
Hexane	110-54-3	0.080	0.21	0.53	0.16 J
Methylene Chloride	75-09-2	0.11	0.21	1.0	0.80 J
Propylbenzene	103-65-1	0.11	0.30	0.74	Not Detected U
Styrene	100-42-5	0.071	0.26	0.64	0.10 J
Tetrahydrofuran	109-99-9	0.66	0.66	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.063	0.27	0.68	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMD1		
Lab ID:	1510311-01B	**Date/Time Analyzed:**	10/20/15 04:15 PM
Date/Time Collected:	10/11/15 03:48 PM	**Dilution Factor:**	1.51
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102017sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0039	0.033	0.16	0.018 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0079	0.041	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0076	0.033	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.024	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0054	0.024	0.060	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.046	0.23	Not Detected U
1,2-Dichloroethane	107-06-2	0.0035	0.024	0.12	0.061 J
1,4-Dichlorobenzene	106-46-7	0.020	0.036	0.18	Not Detected UJ
Benzene	71-43-2	0.031	0.031	0.24	0.38
Carbon Tetrachloride	56-23-5	0.0052	0.038	0.19	0.60
Chloroethane	75-00-3	0.021	0.16	0.20	0.050 J
Chloroform	67-66-3	0.0031	0.029	0.15	0.093 J
Chloromethane	74-87-3	0.012	0.12	0.16	1.6 J
cis-1,2-Dichloroethene	156-59-2	0.0045	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.14
Freon 114	76-14-2	0.0099	0.042	0.21	0.12 J
Freon 12	75-71-8	0.0044	0.030	0.15	2.6
m,p-Xylene	108-38-3	0.0079	0.026	0.26	0.37
Methyl tert-butyl ether	1634-04-4	0.0061	0.022	0.54	Not Detected U
o-Xylene	95-47-6	0.0064	0.026	0.13	0.15
Tetrachloroethene	127-18-4	0.0054	0.041	0.20	0.020 J
Toluene	108-88-3	0.012	0.023	0.11	1.1
trans-1,2-Dichloroethene	156-60-5	0.0052	0.024	0.60	Not Detected U
Trichloroethene	79-01-6	0.013	0.032	0.16	0.017 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMD1		
Lab ID:	1510311-01B	**Date/Time Analyzed:**	10/20/15 04:15 PM
Date/Time Collected:	10/11/15 03:48 PM	**Dilution Factor:**	1.51
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102017sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0042	0.015	0.038	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	113
4-Bromofluorobenzene	460-00-4	80-117	103
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC7		
Lab ID:	1510311-02A	**Date/Time Analyzed:**	10/20/15 04:54 PM
Date/Time Collected:	10/11/15 01:56 PM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102018

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.49	1.1	5.5	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.051	0.29	0.73	0.28 J
1,2-Dichlorobenzene	95-50-1	0.21	0.36	0.89	Not Detected U
1,2-Dichloropropane	78-87-5	0.085	0.27	0.68	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.29	0.73	0.14 J
1,3-Butadiene	106-99-0	0.071	0.13	0.33	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.17	0.36	0.89	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.21	0.53	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.69	3.4	0.35 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.44	2.2	1.5 J
2-Hexanone	591-78-6	0.33	0.61	3.0	Not Detected U
2-Propanol	67-63-0	0.57	0.57	1.8	4.3 J
3-Chloropropene	107-05-1	0.31	0.46	2.3	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.29	0.73	0.26 J
4-Methyl-2-pentanone	108-10-1	0.12	0.24	0.61	0.24 J
Acetone	67-64-1	0.16	0.35	1.8	11
alpha-Chlorotoluene	100-44-7	0.11	0.31	0.77	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.40	0.99	Not Detected U
Bromoform	75-25-2	0.16	0.61	1.5	Not Detected U
Bromomethane	74-83-9	0.44	0.57	2.9	Not Detected U
Carbon Disulfide	75-15-0	0.17	0.46	2.3	Not Detected U
Chlorobenzene	108-90-7	0.061	0.27	0.68	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.27	0.67	Not Detected U
Cumene	98-82-8	0.089	0.29	0.73	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC7		
Lab ID:	1510311-02A	**Date/Time Analyzed:**	10/20/15 04:54 PM
Date/Time Collected:	10/11/15 01:56 PM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102018

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.10	0.20	0.51	2.5
Dibromochloromethane	124-48-1	0.16	0.50	1.3	Not Detected U
Ethanol	64-17-5	0.21	0.28	1.4	9.5
Freon 11	75-69-4	0.13	0.33	0.83	1.4
Freon 113	76-13-1	0.14	0.45	1.1	0.56 J
Heptane	142-82-5	0.058	0.24	0.61	0.58 J
Hexachlorobutadiene	87-68-3	0.69	1.6	7.9	Not Detected U
Hexane	110-54-3	0.079	0.21	0.52	0.28 J
Methylene Chloride	75-09-2	0.10	0.20	1.0	1.6
Propylbenzene	103-65-1	0.11	0.29	0.73	Not Detected U
Styrene	100-42-5	0.069	0.25	0.63	0.30 J
Tetrahydrofuran	109-99-9	0.64	0.64	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.062	0.27	0.67	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	100
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC7		
Lab ID:	1510311-02B	**Date/Time Analyzed:**	10/20/15 04:54 PM
Date/Time Collected:	10/11/15 01:56 PM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102018sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0038	0.032	0.16	0.027 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0077	0.041	0.20	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0074	0.032	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0022	0.024	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0053	0.023	0.059	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.045	0.23	Not Detected U
1,2-Dichloroethane	107-06-2	0.0035	0.024	0.12	0.080 J
1,4-Dichlorobenzene	106-46-7	0.020	0.036	0.18	0.030 J
Benzene	71-43-2	0.030	0.030	0.24	0.51
Carbon Tetrachloride	56-23-5	0.0051	0.037	0.19	0.62
Chloroethane	75-00-3	0.020	0.16	0.20	0.054 J
Chloroform	67-66-3	0.0030	0.029	0.14	0.12 J
Chloromethane	74-87-3	0.011	0.12	0.15	1.7 J
cis-1,2-Dichloroethene	156-59-2	0.0044	0.023	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.42
Freon 114	76-14-2	0.0097	0.041	0.21	0.12 J
Freon 12	75-71-8	0.0043	0.029	0.15	2.6
m,p-Xylene	108-38-3	0.0077	0.026	0.26	1.3
Methyl tert-butyl ether	1634-04-4	0.0060	0.021	0.53	Not Detected U
o-Xylene	95-47-6	0.0063	0.026	0.13	0.58
Tetrachloroethene	127-18-4	0.0053	0.040	0.20	0.080 J
Toluene	108-88-3	0.012	0.022	0.11	3.1
trans-1,2-Dichloroethene	156-60-5	0.0051	0.023	0.59	Not Detected U
Trichloroethene	79-01-6	0.013	0.032	0.16	0.28

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMC7		
Lab ID:	1510311-02B	**Date/Time Analyzed:**	10/20/15 04:54 PM
Date/Time Collected:	10/11/15 01:56 PM	**Dilution Factor:**	1.48
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102018sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0042	0.015	0.038	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	115
4-Bromofluorobenzene	460-00-4	80-117	104
Toluene-d8	2037-26-5	92-110	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMA9		
Lab ID:	1510311-03A	**Date/Time Analyzed:**	10/20/15 05:34 PM
Date/Time Collected:	10/11/15 05:19 PM	**Dilution Factor:**	1.66
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102019

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.55	1.2	6.2	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.058	0.33	0.82	0.52 J
1,2-Dichlorobenzene	95-50-1	0.24	0.40	1.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.095	0.31	0.77	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.33	0.82	Not Detected U
1,3-Butadiene	106-99-0	0.079	0.15	0.37	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.40	1.0	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.24	0.60	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.78	3.9	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.49	2.4	1.0 J
2-Hexanone	591-78-6	0.37	0.68	3.4	Not Detected U
2-Propanol	67-63-0	0.64	0.64	2.0	Not Detected UJ
3-Chloropropene	107-05-1	0.35	0.52	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.15	0.33	0.82	0.46 J
4-Methyl-2-pentanone	108-10-1	0.13	0.27	0.68	Not Detected U
Acetone	67-64-1	0.18	0.39	2.0	7.5
alpha-Chlorotoluene	100-44-7	0.12	0.34	0.86	Not Detected U
Bromodichloromethane	75-27-4	0.20	0.44	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.69	1.7	Not Detected U
Bromomethane	74-83-9	0.50	0.64	3.2	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.52	2.6	Not Detected U
Chlorobenzene	108-90-7	0.069	0.30	0.76	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.75	Not Detected U
Cumene	98-82-8	0.10	0.33	0.82	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMA9		
Lab ID:	1510311-03A	**Date/Time Analyzed:**	10/20/15 05:34 PM
Date/Time Collected:	10/11/15 05:19 PM	**Dilution Factor:**	1.66
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102019

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.23	0.57	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.56	1.4	Not Detected U
Ethanol	64-17-5	0.24	0.31	1.6	1.1 J
Freon 11	75-69-4	0.14	0.37	0.93	1.4
Freon 113	76-13-1	0.16	0.51	1.3	0.53 J
Heptane	142-82-5	0.065	0.27	0.68	Not Detected U
Hexachlorobutadiene	87-68-3	0.77	1.8	8.8	Not Detected U
Hexane	110-54-3	0.088	0.23	0.58	0.11 J
Methylene Chloride	75-09-2	0.12	0.23	1.2	0.50 J
Propylbenzene	103-65-1	0.12	0.33	0.82	Not Detected U
Styrene	100-42-5	0.078	0.28	0.71	0.10 J
Tetrahydrofuran	109-99-9	0.72	0.72	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.069	0.30	0.75	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMA9		
Lab ID:	1510311-03B	**Date/Time Analyzed:**	10/20/15 05:34 PM
Date/Time Collected:	10/11/15 05:19 PM	**Dilution Factor:**	1.66
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102019sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0042	0.036	0.18	0.017 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0087	0.046	0.23	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0083	0.036	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0025	0.027	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0059	0.026	0.066	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.051	0.26	Not Detected U
1,2-Dichloroethane	107-06-2	0.0039	0.027	0.13	0.029 J
1,4-Dichlorobenzene	106-46-7	0.022	0.040	0.20	Not Detected UJ
Benzene	71-43-2	0.034	0.034	0.26	0.34
Carbon Tetrachloride	56-23-5	0.0057	0.042	0.21	0.61
Chloroethane	75-00-3	0.023	0.18	0.22	0.060 J
Chloroform	67-66-3	0.0034	0.032	0.16	0.079 J
Chloromethane	74-87-3	0.013	0.14	0.17	1.8 J
cis-1,2-Dichloroethene	156-59-2	0.0049	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.029	0.14	0.14 J
Freon 114	76-14-2	0.011	0.046	0.23	0.12 J
Freon 12	75-71-8	0.0048	0.033	0.16	2.6
m,p-Xylene	108-38-3	0.0086	0.029	0.29	0.39
Methyl tert-butyl ether	1634-04-4	0.0067	0.024	0.60	0.010 J
o-Xylene	95-47-6	0.0071	0.029	0.14	0.17
Tetrachloroethene	127-18-4	0.0060	0.045	0.22	Not Detected U
Toluene	108-88-3	0.013	0.025	0.12	0.84
trans-1,2-Dichloroethene	156-60-5	0.0057	0.026	0.66	Not Detected U
Trichloroethene	79-01-6	0.015	0.036	0.18	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMA9		
Lab ID:	1510311-03B	**Date/Time Analyzed:**	10/20/15 05:34 PM
Date/Time Collected:	10/11/15 05:19 PM	**Dilution Factor:**	1.66
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102019sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0047	0.017	0.042	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	96
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMS3		
Lab ID:	1510311-04A	**Date/Time Analyzed:**	10/20/15 06:16 PM
Date/Time Collected:	10/11/15 05:25 PM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102020

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.50	1.1	5.6	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.053	0.30	0.75	0.12 J
1,2-Dichlorobenzene	95-50-1	0.22	0.36	0.91	Not Detected U
1,2-Dichloropropane	78-87-5	0.087	0.28	0.70	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.30	0.75	Not Detected U
1,3-Butadiene	106-99-0	0.072	0.13	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.36	0.91	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.22	0.55	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.71	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.45	2.2	1.4 J
2-Hexanone	591-78-6	0.34	0.62	3.1	Not Detected U
2-Propanol	67-63-0	0.59	0.59	1.9	0.62 J
3-Chloropropene	107-05-1	0.32	0.48	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.30	0.75	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.25	0.62	Not Detected U
Acetone	67-64-1	0.17	0.36	1.8	8.1
alpha-Chlorotoluene	100-44-7	0.11	0.31	0.79	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.41	1.0	0.47 J
Bromoform	75-25-2	0.17	0.63	1.6	2.4
Bromomethane	74-83-9	0.45	0.59	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.47	2.4	Not Detected U
Chlorobenzene	108-90-7	0.063	0.28	0.70	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.69	Not Detected U
Cumene	98-82-8	0.092	0.30	0.75	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMS3		
Lab ID:	1510311-04A	**Date/Time Analyzed:**	10/20/15 06:16 PM
Date/Time Collected:	10/11/15 05:25 PM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102020

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.52	0.20 J
Dibromochloromethane	124-48-1	0.17	0.52	1.3	0.78 J
Ethanol	64-17-5	0.22	0.29	1.4	4.2
Freon 11	75-69-4	0.13	0.34	0.85	1.4
Freon 113	76-13-1	0.15	0.46	1.2	0.56 J
Heptane	142-82-5	0.060	0.25	0.62	0.15 J
Hexachlorobutadiene	87-68-3	0.71	1.6	8.1	Not Detected U
Hexane	110-54-3	0.081	0.21	0.54	0.10 J
Methylene Chloride	75-09-2	0.11	0.21	1.0	2.7
Propylbenzene	103-65-1	0.11	0.30	0.75	Not Detected U
Styrene	100-42-5	0.071	0.26	0.65	Not Detected U
Tetrahydrofuran	109-99-9	0.66	0.66	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.064	0.28	0.69	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	91
Toluene-d8	2037-26-5	89-108	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMS3		
Lab ID:	1510311-04B	**Date/Time Analyzed:**	10/20/15 06:16 PM
Date/Time Collected:	10/11/15 05:25 PM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102020sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0039	0.033	0.16	0.018 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0079	0.042	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0076	0.033	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0054	0.024	0.060	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.047	0.23	Not Detected U
1,2-Dichloroethane	107-06-2	0.0036	0.025	0.12	0.036 J
1,4-Dichlorobenzene	106-46-7	0.020	0.036	0.18	Not Detected UJ
Benzene	71-43-2	0.031	0.031	0.24	0.32
Carbon Tetrachloride	56-23-5	0.0053	0.038	0.19	0.60
Chloroethane	75-00-3	0.021	0.16	0.20	0.033 J
Chloroform	67-66-3	0.0031	0.030	0.15	0.54
Chloromethane	74-87-3	0.012	0.12	0.16	1.6 J
cis-1,2-Dichloroethene	156-59-2	0.0045	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.12 J
Freon 114	76-14-2	0.010	0.042	0.21	0.12 J
Freon 12	75-71-8	0.0044	0.030	0.15	2.6
m,p-Xylene	108-38-3	0.0079	0.026	0.26	0.35
Methyl tert-butyl ether	1634-04-4	0.0061	0.022	0.55	Not Detected U
o-Xylene	95-47-6	0.0065	0.026	0.13	0.15
Tetrachloroethene	127-18-4	0.0055	0.041	0.21	Not Detected U
Toluene	108-88-3	0.012	0.023	0.11	0.64
trans-1,2-Dichloroethene	156-60-5	0.0052	0.024	0.60	Not Detected U
Trichloroethene	79-01-6	0.013	0.033	0.16	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMS3		
Lab ID:	1510311-04B	**Date/Time Analyzed:**	10/20/15 06:16 PM
Date/Time Collected:	10/11/15 05:25 PM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102020sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0043	0.016	0.039	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	93
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMD10		
Lab ID:	1510311-05A	**Date/Time Analyzed:**	10/20/15 06:55 PM
Date/Time Collected:	10/11/15 02:02 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102021

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.52	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.31	0.77	0.14 J
1,2-Dichlorobenzene	95-50-1	0.22	0.38	0.94	Not Detected U
1,2-Dichloropropane	78-87-5	0.089	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.77	Not Detected U
1,3-Butadiene	106-99-0	0.074	0.14	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.94	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.22	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.73	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	1.4 J
2-Hexanone	591-78-6	0.35	0.64	3.2	Not Detected U
2-Propanol	67-63-0	0.60	0.60	1.9	Not Detected UJ
3-Chloropropene	107-05-1	0.33	0.49	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.77	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.64	0.19 J
Acetone	67-64-1	0.17	0.37	1.8	10
alpha-Chlorotoluene	100-44-7	0.11	0.32	0.81	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.64	1.6	Not Detected U
Bromomethane	74-83-9	0.46	0.60	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.48	2.4	0.55 J
Chlorobenzene	108-90-7	0.064	0.29	0.72	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.71	Not Detected U
Cumene	98-82-8	0.094	0.31	0.77	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMD10		
Lab ID:	1510311-05A	**Date/Time Analyzed:**	10/20/15 06:55 PM
Date/Time Collected:	10/11/15 02:02 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102021

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.54	Not Detected U
Dibromochloromethane	124-48-1	0.17	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.5	2.5
Freon 11	75-69-4	0.14	0.35	0.88	1.3
Freon 113	76-13-1	0.15	0.48	1.2	0.49 J
Heptane	142-82-5	0.061	0.26	0.64	Not Detected U
Hexachlorobutadiene	87-68-3	0.73	1.7	8.3	Not Detected U
Hexane	110-54-3	0.083	0.22	0.55	0.089 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.50 J
Propylbenzene	103-65-1	0.12	0.31	0.77	Not Detected U
Styrene	100-42-5	0.073	0.26	0.66	Not Detected U
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.065	0.28	0.71	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	104
4-Bromofluorobenzene	460-00-4	79-114	91
Toluene-d8	2037-26-5	89-108	100

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMD10		
Lab ID:	1510311-05B	**Date/Time Analyzed:**	10/20/15 06:55 PM
Date/Time Collected:	10/11/15 02:02 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102021sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	0.017 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0081	0.043	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0078	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0056	0.025	0.062	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.048	0.24	Not Detected U
1,2-Dichloroethane	107-06-2	0.0037	0.025	0.13	0.033 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	0.025 J
Benzene	71-43-2	0.032	0.032	0.25	0.35
Carbon Tetrachloride	56-23-5	0.0054	0.039	0.20	0.61
Chloroethane	75-00-3	0.022	0.16	0.20	0.040 J
Chloroform	67-66-3	0.0032	0.030	0.15	0.081 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.6 J
cis-1,2-Dichloroethene	156-59-2	0.0046	0.025	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.027	0.14	0.092 J
Freon 114	76-14-2	0.010	0.044	0.22	0.13 J
Freon 12	75-71-8	0.0046	0.031	0.15	2.6
m,p-Xylene	108-38-3	0.0081	0.027	0.27	0.25 J
Methyl tert-butyl ether	1634-04-4	0.0063	0.022	0.56	Not Detected U
o-Xylene	95-47-6	0.0066	0.027	0.14	0.13 J
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	Not Detected U
Toluene	108-88-3	0.012	0.024	0.12	0.81
trans-1,2-Dichloroethene	156-60-5	0.0054	0.025	0.62	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMD10		
Lab ID:	1510311-05B	**Date/Time Analyzed:**	10/20/15 06:55 PM
Date/Time Collected:	10/11/15 02:02 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102021sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC13		
Lab ID:	1510311-06A	**Date/Time Analyzed:**	10/20/15 07:35 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102022

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.54	1.2	6.1	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.057	0.32	0.81	0.11 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.99	Not Detected U
1,2-Dichloropropane	78-87-5	0.094	0.30	0.76	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.81	Not Detected U
1,3-Butadiene	106-99-0	0.078	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.99	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.24	0.59	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.77	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.48	2.4	1.4 J
2-Hexanone	591-78-6	0.37	0.67	3.4	Not Detected U
2-Propanol	67-63-0	0.64	0.64	2.0	Not Detected UJ
3-Chloropropene	107-05-1	0.35	0.51	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.15	0.32	0.81	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.13	0.27	0.67	0.15 J
Acetone	67-64-1	0.18	0.39	1.9	9.9
alpha-Chlorotoluene	100-44-7	0.12	0.34	0.85	Not Detected U
Bromodichloromethane	75-27-4	0.20	0.44	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.68	1.7	Not Detected U
Bromomethane	74-83-9	0.49	0.64	3.2	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.51	2.6	Not Detected U
Chlorobenzene	108-90-7	0.068	0.30	0.76	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.74	Not Detected U
Cumene	98-82-8	0.099	0.32	0.81	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMC13		
Lab ID:	1510311-06A	**Date/Time Analyzed:**	10/20/15 07:35 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102022

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.22	0.56	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.56	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.31	1.5	2.1
Freon 11	75-69-4	0.14	0.37	0.92	1.3
Freon 113	76-13-1	0.16	0.50	1.2	0.58 J
Heptane	142-82-5	0.064	0.27	0.67	Not Detected U
Hexachlorobutadiene	87-68-3	0.76	1.7	8.7	Not Detected U
Hexane	110-54-3	0.087	0.23	0.58	0.096 J
Methylene Chloride	75-09-2	0.12	0.23	1.1	0.41 J
Propylbenzene	103-65-1	0.12	0.32	0.81	Not Detected U
Styrene	100-42-5	0.077	0.28	0.70	0.094 J
Tetrahydrofuran	109-99-9	0.71	0.71	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.069	0.30	0.74	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	108
4-Bromofluorobenzene	460-00-4	79-114	91
Toluene-d8	2037-26-5	89-108	101

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC13		
Lab ID:	1510311-06B	**Date/Time Analyzed:**	10/20/15 07:35 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102022sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0042	0.036	0.18	0.017 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0086	0.045	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0082	0.036	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0058	0.026	0.065	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.050	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.041 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.20	Not Detected UJ
Benzene	71-43-2	0.034	0.034	0.26	0.30
Carbon Tetrachloride	56-23-5	0.0057	0.041	0.21	0.61
Chloroethane	75-00-3	0.023	0.17	0.22	Not Detected U
Chloroform	67-66-3	0.0034	0.032	0.16	0.074 J
Chloromethane	74-87-3	0.013	0.14	0.17	1.5 J
cis-1,2-Dichloroethene	156-59-2	0.0049	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.028	0.14	0.078 J
Freon 114	76-14-2	0.011	0.046	0.23	0.11 J
Freon 12	75-71-8	0.0048	0.032	0.16	2.6
m,p-Xylene	108-38-3	0.0085	0.028	0.28	0.20 J
Methyl tert-butyl ether	1634-04-4	0.0066	0.024	0.59	Not Detected U
o-Xylene	95-47-6	0.0070	0.028	0.14	0.074 J
Tetrachloroethene	127-18-4	0.0059	0.044	0.22	Not Detected U
Toluene	108-88-3	0.013	0.025	0.12	0.60
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.65	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.18	0.089 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMC13		
Lab ID:	1510311-06B	**Date/Time Analyzed:**	10/20/15 07:35 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102022sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0046	0.017	0.042	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	93
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC13D		
Lab ID:	1510311-07A	**Date/Time Analyzed:**	10/20/15 10:58 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	3.06
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102027

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	1.0	2.3	11	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.11	0.60	1.5	0.44 J
1,2-Dichlorobenzene	95-50-1	0.44	0.74	1.8	Not Detected U
1,2-Dichloropropane	78-87-5	0.18	0.56	1.4	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.30	0.60	1.5	Not Detected U
1,3-Butadiene	106-99-0	0.15	0.27	0.68	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.36	0.74	1.8	Not Detected U
1,4-Dioxane	123-91-1	0.41	0.44	1.1	230
2,2,4-Trimethylpentane	540-84-1	0.37	1.4	7.1	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.45	0.90	4.5	1.2 J
2-Hexanone	591-78-6	0.69	1.2	6.3	Not Detected U
2-Propanol	67-63-0	1.2	1.2	3.8	Not Detected UJ
3-Chloropropene	107-05-1	0.65	0.96	4.8	Not Detected U
4-Ethyltoluene	622-96-8	0.27	0.60	1.5	0.33 J
4-Methyl-2-pentanone	108-10-1	0.24	0.50	1.2	Not Detected U
Acetone	67-64-1	0.34	0.73	3.6	12
alpha-Chlorotoluene	100-44-7	0.22	0.63	1.6	Not Detected U
Bromodichloromethane	75-27-4	0.36	0.82	2.0	Not Detected U
Bromoform	75-25-2	0.34	1.3	3.2	Not Detected U
Bromomethane	74-83-9	0.91	1.2	5.9	Not Detected U
Carbon Disulfide	75-15-0	0.35	0.95	4.8	Not Detected U
Chlorobenzene	108-90-7	0.13	0.56	1.4	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.24	0.56	1.4	Not Detected U
Cumene	98-82-8	0.18	0.60	1.5	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC13D		
Lab ID:	1510311-07A	**Date/Time Analyzed:**	10/20/15 10:58 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	3.06
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102027

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.22	0.42	1.0	Not Detected U
Dibromochloromethane	124-48-1	0.34	1.0	2.6	Not Detected U
Ethanol	64-17-5	0.43	0.58	2.9	1.7 J
Freon 11	75-69-4	0.27	0.69	1.7	1.3 J
Freon 113	76-13-1	0.30	0.94	2.3	0.70 J
Heptane	142-82-5	0.12	0.50	1.2	Not Detected U
Hexachlorobutadiene	87-68-3	1.4	3.3	16	Not Detected U
Hexane	110-54-3	0.16	0.43	1.1	0.17 J
Methylene Chloride	75-09-2	0.22	0.42	2.1	0.46 J
Propylbenzene	103-65-1	0.23	0.60	1.5	Not Detected U
Styrene	100-42-5	0.14	0.52	1.3	Not Detected U
Tetrahydrofuran	109-99-9	1.3	1.3	4.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.13	0.56	1.4	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	103
4-Bromofluorobenzene	460-00-4	79-114	89
Toluene-d8	2037-26-5	89-108	100

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMC13D		
Lab ID:	1510311-07B	**Date/Time Analyzed:**	10/20/15 10:58 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	3.06
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102027sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0078	0.067	0.33	0.026 J
1,1,2,2-Tetrachloroethane	79-34-5	0.016	0.084	0.42	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.015	0.067	0.33	Not Detected U
1,1-Dichloroethane	75-34-3	0.0046	0.050	0.25	Not Detected U
1,1-Dichloroethene	75-35-4	0.011	0.048	0.12	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.022	0.094	0.47	Not Detected U
1,2-Dichloroethane	107-06-2	0.0072	0.050	0.25	0.14 J
1,4-Dichlorobenzene	106-46-7	0.041	0.074	0.37	Not Detected UJ
Benzene	71-43-2	0.063	0.063	0.49	0.37 J
Carbon Tetrachloride	56-23-5	0.010	0.077	0.38	0.61
Chloroethane	75-00-3	0.042	0.32	0.40	0.075 J
Chloroform	67-66-3	0.0063	0.060	0.30	0.081 J
Chloromethane	74-87-3	0.024	0.25	0.32	1.7 J
cis-1,2-Dichloroethene	156-59-2	0.0091	0.048	0.24	Not Detected U
Ethyl Benzene	100-41-4	0.044	0.053	0.26	0.27
Freon 114	76-14-2	0.020	0.086	0.43	0.13 J
Freon 12	75-71-8	0.0089	0.060	0.30	2.5
m,p-Xylene	108-38-3	0.016	0.053	0.53	0.44 J
Methyl tert-butyl ether	1634-04-4	0.012	0.044	1.1	Not Detected U
o-Xylene	95-47-6	0.013	0.053	0.26	0.21 J
Tetrachloroethene	127-18-4	0.011	0.083	0.42	1.6
Toluene	108-88-3	0.024	0.046	0.23	1.0
trans-1,2-Dichloroethene	156-60-5	0.010	0.048	1.2	Not Detected U
Trichloroethene	79-01-6	0.027	0.066	0.33	0.24 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMC13D		
Lab ID:	1510311-07B	**Date/Time Analyzed:**	10/20/15 10:58 PM
Date/Time Collected:	10/11/15 06:44 PM	**Dilution Factor:**	3.06
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102027sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0086	0.031	0.078	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	106
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	101

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMD11		
Lab ID:	1510311-08A	**Date/Time Analyzed:**	10/21/15 03:49 PM
Date/Time Collected:	10/11/15 05:52 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102110

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.51	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.30	0.76	0.14 J
1,2-Dichlorobenzene	95-50-1	0.22	0.37	0.93	Not Detected U
1,2-Dichloropropane	78-87-5	0.089	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.30	0.76	Not Detected U
1,3-Butadiene	106-99-0	0.074	0.14	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.37	0.93	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.22	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.72	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	0.85 J
2-Hexanone	591-78-6	0.35	0.63	3.2	Not Detected U
2-Propanol	67-63-0	0.60	0.60	1.9	Not Detected UJ
3-Chloropropene	107-05-1	0.33	0.48	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.30	0.76	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.25	0.63	Not Detected U
Acetone	67-64-1	0.17	0.37	1.8	7.1
alpha-Chlorotoluene	100-44-7	0.11	0.32	0.80	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.64	1.6	Not Detected U
Bromomethane	74-83-9	0.46	0.60	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.48	2.4	Not Detected U
Chlorobenzene	108-90-7	0.064	0.28	0.71	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.70	Not Detected U
Cumene	98-82-8	0.093	0.30	0.76	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMD11		
Lab ID:	1510311-08A	**Date/Time Analyzed:**	10/21/15 03:49 PM
Date/Time Collected:	10/11/15 05:52 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102110

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.53	Not Detected U
Dibromochloromethane	124-48-1	0.17	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.5	2.4
Freon 11	75-69-4	0.14	0.35	0.87	1.3
Freon 113	76-13-1	0.15	0.48	1.2	0.55 J
Heptane	142-82-5	0.061	0.25	0.64	0.20 J
Hexachlorobutadiene	87-68-3	0.72	1.6	8.3	Not Detected U
Hexane	110-54-3	0.082	0.22	0.55	0.15 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	1.5
Propylbenzene	103-65-1	0.12	0.30	0.76	Not Detected U
Styrene	100-42-5	0.073	0.26	0.66	Not Detected U
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.065	0.28	0.70	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	92
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMD11		
Lab ID:	1510311-08B	**Date/Time Analyzed:**	10/21/15 03:49 PM
Date/Time Collected:	10/11/15 05:52 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102110sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	0.017 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0081	0.042	0.21	0.011 J
1,1,2-Trichloroethane	79-00-5	0.0078	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0055	0.024	0.061	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.048	0.24	0.024 J
1,2-Dichloroethane	107-06-2	0.0036	0.025	0.12	0.036 J
1,4-Dichlorobenzene	106-46-7	0.021	0.037	0.19	0.030 J
Benzene	71-43-2	0.032	0.032	0.25	0.32
Carbon Tetrachloride	56-23-5	0.0054	0.039	0.20	0.57
Chloroethane	75-00-3	0.021	0.16	0.20	0.041 J
Chloroform	67-66-3	0.0032	0.030	0.15	0.085 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.5
cis-1,2-Dichloroethene	156-59-2	0.0046	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.027	0.13	0.086 J
Freon 114	76-14-2	0.010	0.043	0.22	0.12 J
Freon 12	75-71-8	0.0045	0.031	0.15	2.5
m,p-Xylene	108-38-3	0.0081	0.027	0.27	0.23 J
Methyl tert-butyl ether	1634-04-4	0.0062	0.022	0.56	Not Detected U
o-Xylene	95-47-6	0.0066	0.027	0.13	0.11 J
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	0.019 J
Toluene	108-88-3	0.012	0.023	0.12	0.56
trans-1,2-Dichloroethene	156-60-5	0.0053	0.024	0.61	Not Detected U
Trichloroethene	79-01-6	0.014	0.033	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMD11		
Lab ID:	1510311-08B	**Date/Time Analyzed:**	10/21/15 03:49 PM
Date/Time Collected:	10/11/15 05:52 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102110sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	111
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMB14		
Lab ID:	1510311-09A	**Date/Time Analyzed:**	10/20/15 09:40 PM
Date/Time Collected:	10/11/15 05:57 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102025

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.54	1.2	6.0	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.056	0.32	0.80	0.14 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.98	Not Detected U
1,2-Dichloropropane	78-87-5	0.093	0.30	0.75	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.80	Not Detected U
1,3-Butadiene	106-99-0	0.078	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.98	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.23	0.59	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.76	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.48	2.4	0.87 J
2-Hexanone	591-78-6	0.37	0.67	3.3	Not Detected U
2-Propanol	67-63-0	0.63	0.63	2.0	Not Detected UJ
3-Chloropropene	107-05-1	0.35	0.51	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.32	0.80	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.13	0.27	0.67	Not Detected U
Acetone	67-64-1	0.18	0.39	1.9	6.6
alpha-Chlorotoluene	100-44-7	0.12	0.34	0.84	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.44	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.67	1.7	Not Detected U
Bromomethane	74-83-9	0.49	0.63	3.2	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.51	2.5	Not Detected U
Chlorobenzene	108-90-7	0.067	0.30	0.75	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.74	Not Detected U
Cumene	98-82-8	0.098	0.32	0.80	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMB14		
Lab ID:	1510311-09A	**Date/Time Analyzed:**	10/20/15 09:40 PM
Date/Time Collected:	10/11/15 05:57 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102025

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.22	0.56	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.56	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.31	1.5	1.0 J
Freon 11	75-69-4	0.14	0.37	0.92	1.3
Freon 113	76-13-1	0.16	0.50	1.2	0.44 J
Heptane	142-82-5	0.064	0.27	0.67	0.12 J
Hexachlorobutadiene	87-68-3	0.76	1.7	8.7	Not Detected U
Hexane	110-54-3	0.087	0.23	0.57	Not Detected U
Methylene Chloride	75-09-2	0.11	0.23	1.1	0.66 J
Propylbenzene	103-65-1	0.12	0.32	0.80	Not Detected U
Styrene	100-42-5	0.076	0.28	0.69	Not Detected U
Tetrahydrofuran	109-99-9	0.71	0.71	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.068	0.30	0.74	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	108
4-Bromofluorobenzene	460-00-4	79-114	86
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMB14		
Lab ID:	1510311-09B	**Date/Time Analyzed:**	10/20/15 09:40 PM
Date/Time Collected:	10/11/15 05:57 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102025sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0042	0.036	0.18	0.015 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0085	0.045	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0082	0.036	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0058	0.026	0.065	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.050	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.037 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.20	Not Detected UJ
Benzene	71-43-2	0.034	0.034	0.26	0.32
Carbon Tetrachloride	56-23-5	0.0056	0.041	0.20	0.52
Chloroethane	75-00-3	0.022	0.17	0.22	0.059 J
Chloroform	67-66-3	0.0033	0.032	0.16	0.073 J
Chloromethane	74-87-3	0.013	0.13	0.17	1.7 J
cis-1,2-Dichloroethene	156-59-2	0.0048	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.028	0.14	0.078 J
Freon 114	76-14-2	0.011	0.046	0.23	0.11 J
Freon 12	75-71-8	0.0048	0.032	0.16	2.6
m,p-Xylene	108-38-3	0.0085	0.028	0.28	0.22 J
Methyl tert-butyl ether	1634-04-4	0.0066	0.024	0.59	Not Detected U
o-Xylene	95-47-6	0.0069	0.028	0.14	0.076 J
Tetrachloroethene	127-18-4	0.0059	0.044	0.22	Not Detected U
Toluene	108-88-3	0.013	0.024	0.12	0.58
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.65	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.18	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMB14		
Lab ID:	1510311-09B	**Date/Time Analyzed:**	10/20/15 09:40 PM
Date/Time Collected:	10/11/15 05:57 PM	**Dilution Factor:**	1.63
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102025sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0046	0.017	0.042	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	91
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMA13		
Lab ID:	1510311-10A	**Date/Time Analyzed:**	10/20/15 10:19 PM
Date/Time Collected:	10/11/15 03:23 PM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102026

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.48	1.1	5.4	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.050	0.28	0.71	0.14 J
1,2-Dichlorobenzene	95-50-1	0.21	0.35	0.87	Not Detected U
1,2-Dichloropropane	78-87-5	0.083	0.27	0.67	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.28	0.71	Not Detected U
1,3-Butadiene	106-99-0	0.069	0.13	0.32	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.17	0.35	0.87	Not Detected U
1,4-Dioxane	123-91-1	0.19	0.21	0.52	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.68	3.4	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.21	0.43	2.1	0.66 J
2-Hexanone	591-78-6	0.33	0.59	3.0	Not Detected U
2-Propanol	67-63-0	0.56	0.56	1.8	Not Detected UJ
3-Chloropropene	107-05-1	0.31	0.45	2.3	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.28	0.71	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.11	0.24	0.59	Not Detected U
Acetone	67-64-1	0.16	0.34	1.7	6.0
alpha-Chlorotoluene	100-44-7	0.11	0.30	0.75	Not Detected U
Bromodichloromethane	75-27-4	0.17	0.39	0.97	Not Detected U
Bromoform	75-25-2	0.16	0.60	1.5	Not Detected U
Bromomethane	74-83-9	0.43	0.56	2.8	Not Detected U
Carbon Disulfide	75-15-0	0.17	0.45	2.2	Not Detected U
Chlorobenzene	108-90-7	0.060	0.27	0.67	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.11	0.26	0.66	Not Detected U
Cumene	98-82-8	0.087	0.28	0.71	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMA13		
Lab ID:	1510311-10A	**Date/Time Analyzed:**	10/20/15 10:19 PM
Date/Time Collected:	10/11/15 03:23 PM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102026

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.10	0.20	0.50	Not Detected U
Dibromochloromethane	124-48-1	0.16	0.49	1.2	Not Detected U
Ethanol	64-17-5	0.20	0.27	1.4	0.87 J
Freon 11	75-69-4	0.13	0.32	0.81	1.3
Freon 113	76-13-1	0.14	0.44	1.1	0.58 J
Heptane	142-82-5	0.057	0.24	0.59	Not Detected U
Hexachlorobutadiene	87-68-3	0.68	1.5	7.7	Not Detected U
Hexane	110-54-3	0.077	0.20	0.51	0.11 J
Methylene Chloride	75-09-2	0.10	0.20	1.0	0.42 J
Propylbenzene	103-65-1	0.11	0.28	0.71	Not Detected U
Styrene	100-42-5	0.068	0.25	0.62	Not Detected U
Tetrahydrofuran	109-99-9	0.63	0.63	2.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.061	0.26	0.66	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	108
4-Bromofluorobenzene	460-00-4	79-114	86
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	TENTIASMA13		
Lab ID:	1510311-10B	**Date/Time Analyzed:**	10/20/15 10:19 PM
Date/Time Collected:	10/11/15 03:23 PM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102026sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0037	0.032	0.16	0.017 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0076	0.040	0.20	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0073	0.032	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0022	0.023	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0052	0.023	0.057	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.044	0.22	Not Detected U
1,2-Dichloroethane	107-06-2	0.0034	0.023	0.12	0.025 J
1,4-Dichlorobenzene	106-46-7	0.019	0.035	0.17	Not Detected UJ
Benzene	71-43-2	0.030	0.030	0.23	0.35
Carbon Tetrachloride	56-23-5	0.0050	0.036	0.18	0.54
Chloroethane	75-00-3	0.020	0.15	0.19	Not Detected U
Chloroform	67-66-3	0.0030	0.028	0.14	0.076 J
Chloromethane	74-87-3	0.011	0.12	0.15	1.6 J
cis-1,2-Dichloroethene	156-59-2	0.0043	0.023	0.11	Not Detected U
Ethyl Benzene	100-41-4	0.021	0.025	0.12	0.087 J
Freon 114	76-14-2	0.0095	0.040	0.20	0.12 J
Freon 12	75-71-8	0.0042	0.029	0.14	2.6
m,p-Xylene	108-38-3	0.0076	0.025	0.25	0.23 J
Methyl tert-butyl ether	1634-04-4	0.0058	0.021	0.52	Not Detected U
o-Xylene	95-47-6	0.0062	0.025	0.12	0.12 J
Tetrachloroethene	127-18-4	0.0052	0.039	0.20	Not Detected U
Toluene	108-88-3	0.012	0.022	0.11	0.69
trans-1,2-Dichloroethene	156-60-5	0.0050	0.023	0.57	Not Detected U
Trichloroethene	79-01-6	0.013	0.031	0.16	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	TENTIASMA13		
Lab ID:	1510311-10B	**Date/Time Analyzed:**	10/20/15 10:19 PM
Date/Time Collected:	10/11/15 03:23 PM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102026sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0041	0.015	0.037	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	90
Toluene-d8	2037-26-5	92-110	100

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510311-11A	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.33	0.74	3.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.035	0.20	0.49	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.14	0.24	0.60	Not Detected U
1,2-Dichloropropane	78-87-5	0.057	0.18	0.46	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.096	0.20	0.49	Not Detected U
1,3-Butadiene	106-99-0	0.048	0.088	0.22	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.12	0.24	0.60	Not Detected U
1,4-Dioxane	123-91-1	0.13	0.14	0.36	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.12	0.47	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.15	0.29	1.5	Not Detected U
2-Hexanone	591-78-6	0.22	0.41	2.0	Not Detected U
2-Propanol	67-63-0	0.39	0.39	1.2	Not Detected UJ
3-Chloropropene	107-05-1	0.21	0.31	1.6	Not Detected U
4-Ethyltoluene	622-96-8	0.089	0.20	0.49	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.078	0.16	0.41	Not Detected U
Acetone	67-64-1	0.11	0.24	1.2	0.53 J
alpha-Chlorotoluene	100-44-7	0.073	0.21	0.52	Not Detected U
Bromodichloromethane	75-27-4	0.12	0.27	0.67	Not Detected U
Bromoform	75-25-2	0.11	0.41	1.0	Not Detected U
Bromomethane	74-83-9	0.30	0.39	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.12	0.31	1.6	Not Detected U
Chlorobenzene	108-90-7	0.041	0.18	0.46	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.078	0.18	0.45	Not Detected U
Cumene	98-82-8	0.060	0.20	0.49	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510311-11A	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.071	0.14	0.34	Not Detected U
Dibromochloromethane	124-48-1	0.11	0.34	0.85	Not Detected U
Ethanol	64-17-5	0.14	0.19	0.94	0.40 J
Freon 11	75-69-4	0.088	0.22	0.56	Not Detected U
Freon 113	76-13-1	0.097	0.31	0.77	Not Detected U
Heptane	142-82-5	0.039	0.16	0.41	Not Detected U
Hexachlorobutadiene	87-68-3	0.47	1.1	5.3	Not Detected U
Hexane	110-54-3	0.053	0.14	0.35	Not Detected U
Methylene Chloride	75-09-2	0.070	0.14	0.69	0.26 J
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected U
Styrene	100-42-5	0.047	0.17	0.42	Not Detected U
Tetrahydrofuran	109-99-9	0.44	0.44	1.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.042	0.18	0.45	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	91
Toluene-d8	2037-26-5	89-108	96

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510311-11B	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0026	0.022	0.11	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0052	0.027	0.14	0.0096 J
1,1,2-Trichloroethane	79-00-5	0.0050	0.022	0.11	Not Detected U
1,1-Dichloroethane	75-34-3	0.0015	0.016	0.081	Not Detected U
1,1-Dichloroethene	75-35-4	0.0036	0.016	0.040	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.0074	0.031	0.15	0.011 J
1,2-Dichloroethane	107-06-2	0.0023	0.016	0.081	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.013	0.024	0.12	0.027 J
Benzene	71-43-2	0.021	0.021	0.16	Not Detected U
Carbon Tetrachloride	56-23-5	0.0035	0.025	0.12	Not Detected U
Chloroethane	75-00-3	0.014	0.10	0.13	Not Detected U
Chloroform	67-66-3	0.0020	0.020	0.098	Not Detected U
Chloromethane	74-87-3	0.0077	0.083	0.10	Not Detected UJ
cis-1,2-Dichloroethene	156-59-2	0.0030	0.016	0.079	Not Detected U
Ethyl Benzene	100-41-4	0.014	0.017	0.087	Not Detected U
Freon 114	76-14-2	0.0066	0.028	0.14	Not Detected U
Freon 12	75-71-8	0.0029	0.020	0.099	Not Detected U
m,p-Xylene	108-38-3	0.0052	0.017	0.17	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.0040	0.014	0.36	Not Detected U
o-Xylene	95-47-6	0.0042	0.017	0.087	Not Detected U
Tetrachloroethene	127-18-4	0.0036	0.027	0.14	Not Detected U
Toluene	108-88-3	0.0080	0.015	0.075	0.011 J
trans-1,2-Dichloroethene	156-60-5	0.0034	0.016	0.40	Not Detected U
Trichloroethene	79-01-6	0.0088	0.022	0.11	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	Lab Blank		
Lab ID:	1510311-11B	**Date/Time Analyzed:**	10/20/15 08:29 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102006sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0028	0.010	0.026	Not Detected U

U = The analyte was not detected above the MDL.
UJ = Analyte associated with low bias in the CCV and/or LCS.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	109
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510311-11C	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.33	0.74	3.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.035	0.20	0.49	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.14	0.24	0.60	Not Detected U
1,2-Dichloropropane	78-87-5	0.057	0.18	0.46	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.096	0.20	0.49	Not Detected U
1,3-Butadiene	106-99-0	0.048	0.088	0.22	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.12	0.24	0.60	Not Detected U
1,4-Dioxane	123-91-1	0.13	0.14	0.36	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.12	0.47	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.15	0.29	1.5	Not Detected U
2-Hexanone	591-78-6	0.22	0.41	2.0	Not Detected U
2-Propanol	67-63-0	0.39	0.39	1.2	Not Detected UJ
3-Chloropropene	107-05-1	0.21	0.31	1.6	Not Detected U
4-Ethyltoluene	622-96-8	0.089	0.20	0.49	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.078	0.16	0.41	Not Detected U
Acetone	67-64-1	0.11	0.24	1.2	0.26 J
alpha-Chlorotoluene	100-44-7	0.073	0.21	0.52	0.087 J
Bromodichloromethane	75-27-4	0.12	0.27	0.67	Not Detected U
Bromoform	75-25-2	0.11	0.41	1.0	Not Detected U
Bromomethane	74-83-9	0.30	0.39	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.12	0.31	1.6	Not Detected U
Chlorobenzene	108-90-7	0.041	0.18	0.46	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.078	0.18	0.45	Not Detected U
Cumene	98-82-8	0.060	0.20	0.49	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	Lab Blank		
Lab ID:	1510311-11C	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.071	0.14	0.34	Not Detected U
Dibromochloromethane	124-48-1	0.11	0.34	0.85	Not Detected U
Ethanol	64-17-5	0.14	0.19	0.94	Not Detected U
Freon 11	75-69-4	0.088	0.22	0.56	Not Detected U
Freon 113	76-13-1	0.097	0.31	0.77	Not Detected U
Heptane	142-82-5	0.039	0.16	0.41	Not Detected U
Hexachlorobutadiene	87-68-3	0.47	1.1	5.3	Not Detected U
Hexane	110-54-3	0.053	0.14	0.35	Not Detected U
Methylene Chloride	75-09-2	0.070	0.14	0.69	0.27 J
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected U
Styrene	100-42-5	0.047	0.17	0.42	Not Detected U
Tetrahydrofuran	109-99-9	0.44	0.44	1.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.042	0.18	0.45	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	109
4-Bromofluorobenzene	460-00-4	79-114	89
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510311-11D	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0026	0.022	0.11	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0052	0.027	0.14	0.016 J
1,1,2-Trichloroethane	79-00-5	0.0050	0.022	0.11	Not Detected U
1,1-Dichloroethane	75-34-3	0.0015	0.016	0.081	Not Detected U
1,1-Dichloroethene	75-35-4	0.0036	0.016	0.040	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.0074	0.031	0.15	0.028 J
1,2-Dichloroethane	107-06-2	0.0023	0.016	0.081	0.016 J
1,4-Dichlorobenzene	106-46-7	0.013	0.024	0.12	0.032 J
Benzene	71-43-2	0.021	0.021	0.16	Not Detected U
Carbon Tetrachloride	56-23-5	0.0035	0.025	0.12	Not Detected U
Chloroethane	75-00-3	0.014	0.10	0.13	Not Detected U
Chloroform	67-66-3	0.0020	0.020	0.098	Not Detected U
Chloromethane	74-87-3	0.0077	0.083	0.10	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.0030	0.016	0.079	Not Detected U
Ethyl Benzene	100-41-4	0.014	0.017	0.087	Not Detected U
Freon 114	76-14-2	0.0066	0.028	0.14	Not Detected U
Freon 12	75-71-8	0.0029	0.020	0.099	Not Detected U
m,p-Xylene	108-38-3	0.0052	0.017	0.17	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.0040	0.014	0.36	Not Detected U
o-Xylene	95-47-6	0.0042	0.017	0.087	Not Detected U
Tetrachloroethene	127-18-4	0.0036	0.027	0.14	Not Detected U
Toluene	108-88-3	0.0080	0.015	0.075	0.011 J
trans-1,2-Dichloroethene	156-60-5	0.0034	0.016	0.40	Not Detected U
Trichloroethene	79-01-6	0.0088	0.022	0.11	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	Lab Blank		
Lab ID:	1510311-11D	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0028	0.010	0.026	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	111
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510311-12A	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	86
1,2,4-Trimethylbenzene	95-63-6	81
1,2-Dichlorobenzene	95-50-1	80
1,2-Dichloropropane	78-87-5	87
1,3,5-Trimethylbenzene	108-67-8	84
1,3-Butadiene	106-99-0	82
1,3-Dichlorobenzene	541-73-1	81
1,4-Dioxane	123-91-1	82
2,2,4-Trimethylpentane	540-84-1	79
2-Butanone (Methyl Ethyl Ketone)	78-93-3	81
2-Hexanone	591-78-6	74
2-Propanol	67-63-0	68 Q
3-Chloropropene	107-05-1	81
4-Ethyltoluene	622-96-8	78
4-Methyl-2-pentanone	108-10-1	83
Acetone	67-64-1	86
alpha-Chlorotoluene	100-44-7	80
Bromodichloromethane	75-27-4	92
Bromoform	75-25-2	91
Bromomethane	74-83-9	100
Carbon Disulfide	75-15-0	85
Chlorobenzene	108-90-7	84
cis-1,3-Dichloropropene	10061-01-5	84
Cumene	98-82-8	86

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510311-12A	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	81
Dibromochloromethane	124-48-1	89
Ethanol	64-17-5	78
Freon 11	75-69-4	83
Freon 113	76-13-1	80
Heptane	142-82-5	87
Hexachlorobutadiene	87-68-3	77
Hexane	110-54-3	79
Methylene Chloride	75-09-2	80
Propylbenzene	103-65-1	80
Styrene	100-42-5	74
Tetrahydrofuran	109-99-9	80
trans-1,3-Dichloropropene	10061-02-6	82

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	96
4-Bromofluorobenzene	460-00-4	79-114	102
Toluene-d8	2037-26-5	89-108	102

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510311-12B	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	83
1,1,2,2-Tetrachloroethane	79-34-5	90
1,1,2-Trichloroethane	79-00-5	86
1,1-Dichloroethane	75-34-3	81
1,1-Dichloroethene	75-35-4	73
1,2-Dibromoethane (EDB)	106-93-4	88
1,2-Dichloroethane	107-06-2	82
1,4-Dichlorobenzene	106-46-7	69 Q
Benzene	71-43-2	78
Carbon Tetrachloride	56-23-5	103
Chloroethane	75-00-3	86
Chloroform	67-66-3	79
Chloromethane	74-87-3	68 Q
cis-1,2-Dichloroethene	156-59-2	76
Ethyl Benzene	100-41-4	87
Freon 114	76-14-2	80
Freon 12	75-71-8	84
m,p-Xylene	108-38-3	88
Methyl tert-butyl ether	1634-04-4	81
o-Xylene	95-47-6	86
Tetrachloroethene	127-18-4	76
Toluene	108-88-3	85
trans-1,2-Dichloroethene	156-60-5	77
Trichloroethene	79-01-6	70

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510311-12B	**Date/Time Analyzed:**	10/20/15 05:31 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102002sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	74

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	104
Toluene-d8	2037-26-5	92-110	102

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510311-12C	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	82
1,2,4-Trimethylbenzene	95-63-6	81
1,2-Dichlorobenzene	95-50-1	80
1,2-Dichloropropane	78-87-5	88
1,3,5-Trimethylbenzene	108-67-8	85
1,3-Butadiene	106-99-0	81
1,3-Dichlorobenzene	541-73-1	83
1,4-Dioxane	123-91-1	82
2,2,4-Trimethylpentane	540-84-1	77
2-Butanone (Methyl Ethyl Ketone)	78-93-3	81
2-Hexanone	591-78-6	74
2-Propanol	67-63-0	65 Q
3-Chloropropene	107-05-1	80
4-Ethyltoluene	622-96-8	80
4-Methyl-2-pentanone	108-10-1	83
Acetone	67-64-1	87
alpha-Chlorotoluene	100-44-7	79
Bromodichloromethane	75-27-4	94
Bromoform	75-25-2	94
Bromomethane	74-83-9	103
Carbon Disulfide	75-15-0	85
Chlorobenzene	108-90-7	86
cis-1,3-Dichloropropene	10061-01-5	84
Cumene	98-82-8	86

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510311-12C	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	79
Dibromochloromethane	124-48-1	93
Ethanol	64-17-5	78
Freon 11	75-69-4	84
Freon 113	76-13-1	79
Heptane	142-82-5	86
Hexachlorobutadiene	87-68-3	75
Hexane	110-54-3	79
Methylene Chloride	75-09-2	79
Propylbenzene	103-65-1	81
Styrene	100-42-5	73
Tetrahydrofuran	109-99-9	78
trans-1,3-Dichloropropene	10061-02-6	86

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	94
4-Bromofluorobenzene	460-00-4	79-114	97
Toluene-d8	2037-26-5	89-108	102

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510311-12D	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	84
1,1,2,2-Tetrachloroethane	79-34-5	94
1,1,2-Trichloroethane	79-00-5	91
1,1-Dichloroethane	75-34-3	82
1,1-Dichloroethene	75-35-4	72
1,2-Dibromoethane (EDB)	106-93-4	93
1,2-Dichloroethane	107-06-2	86
1,4-Dichlorobenzene	106-46-7	71
Benzene	71-43-2	82
Carbon Tetrachloride	56-23-5	104
Chloroethane	75-00-3	86
Chloroform	67-66-3	80
Chloromethane	74-87-3	70
cis-1,2-Dichloroethene	156-59-2	75
Ethyl Benzene	100-41-4	88
Freon 114	76-14-2	81
Freon 12	75-71-8	86
m,p-Xylene	108-38-3	89
Methyl tert-butyl ether	1634-04-4	79
o-Xylene	95-47-6	85
Tetrachloroethene	127-18-4	80
Toluene	108-88-3	86
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	71

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	CCV		
Lab ID:	1510311-12D	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	75

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	100
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	103

eurofins | Air Toxics

Client ID:	LCS		
Lab ID:	1510311-13A	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	104
1,2-Dichlorobenzene	95-50-1	97
1,2-Dichloropropane	78-87-5	103
1,3,5-Trimethylbenzene	108-67-8	109
1,3-Butadiene	106-99-0	97
1,3-Dichlorobenzene	541-73-1	100
1,4-Dioxane	123-91-1	102
2,2,4-Trimethylpentane	540-84-1	98
2-Butanone (Methyl Ethyl Ketone)	78-93-3	98
2-Hexanone	591-78-6	105
2-Propanol	67-63-0	92
3-Chloropropene	107-05-1	100
4-Ethyltoluene	622-96-8	99
4-Methyl-2-pentanone	108-10-1	107
Acetone	67-64-1	93
alpha-Chlorotoluene	100-44-7	108
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	115
Bromomethane	74-83-9	124
Carbon Disulfide	75-15-0	89
Chlorobenzene	108-90-7	102
cis-1,3-Dichloropropene	10061-01-5	96
Cumene	98-82-8	106

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510311-13A	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	98
Dibromochloromethane	124-48-1	112
Ethanol	64-17-5	101
Freon 11	75-69-4	104
Freon 113	76-13-1	94
Heptane	142-82-5	102
Hexachlorobutadiene	87-68-3	87
Hexane	110-54-3	97
Methylene Chloride	75-09-2	92
Propylbenzene	103-65-1	103
Styrene	100-42-5	107
Tetrahydrofuran	109-99-9	96
trans-1,3-Dichloropropene	10061-02-6	106

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	98
4-Bromofluorobenzene	460-00-4	79-114	100
Toluene-d8	2037-26-5	89-108	102

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

Client ID:	LCSD		
Lab ID:	1510311-13AA	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	101
1,2,4-Trimethylbenzene	95-63-6	100
1,2-Dichlorobenzene	95-50-1	97
1,2-Dichloropropane	78-87-5	105
1,3,5-Trimethylbenzene	108-67-8	107
1,3-Butadiene	106-99-0	96
1,3-Dichlorobenzene	541-73-1	98
1,4-Dioxane	123-91-1	105
2,2,4-Trimethylpentane	540-84-1	97
2-Butanone (Methyl Ethyl Ketone)	78-93-3	99
2-Hexanone	591-78-6	106
2-Propanol	67-63-0	104
3-Chloropropene	107-05-1	98
4-Ethyltoluene	622-96-8	96
4-Methyl-2-pentanone	108-10-1	109
Acetone	67-64-1	92
alpha-Chlorotoluene	100-44-7	109
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	115
Bromomethane	74-83-9	123
Carbon Disulfide	75-15-0	89
Chlorobenzene	108-90-7	101
cis-1,3-Dichloropropene	10061-01-5	98
Cumene	98-82-8	104

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510311-13AA	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	98
Dibromochloromethane	124-48-1	113
Ethanol	64-17-5	105
Freon 11	75-69-4	102
Freon 113	76-13-1	94
Heptane	142-82-5	101
Hexachlorobutadiene	87-68-3	89
Hexane	110-54-3	96
Methylene Chloride	75-09-2	94
Propylbenzene	103-65-1	98
Styrene	100-42-5	106
Tetrahydrofuran	109-99-9	96
trans-1,3-Dichloropropene	10061-02-6	105

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	95
4-Bromofluorobenzene	460-00-4	79-114	99
Toluene-d8	2037-26-5	89-108	102

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510311-13B	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	88
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	88
1,2-Dibromoethane (EDB)	106-93-4	109
1,2-Dichloroethane	107-06-2	96
1,4-Dichlorobenzene	106-46-7	85
Benzene	71-43-2	94
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	106
Chloroform	67-66-3	93
Chloromethane	74-87-3	81
cis-1,2-Dichloroethene	156-59-2	99
Ethyl Benzene	100-41-4	107
Freon 114	76-14-2	99
Freon 12	75-71-8	101
m,p-Xylene	108-38-3	109
Methyl tert-butyl ether	1634-04-4	93
o-Xylene	95-47-6	109
Tetrachloroethene	127-18-4	94
Toluene	108-88-3	102
trans-1,2-Dichloroethene	156-60-5	80
Trichloroethene	79-01-6	101

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510311-13B	**Date/Time Analyzed:**	10/20/15 06:16 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102003sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	91

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	97
4-Bromofluorobenzene	460-00-4	80-117	103
Toluene-d8	2037-26-5	92-110	103

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510311-13BB	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	88
1,1,2-Trichloroethane	79-00-5	106
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	88
1,2-Dibromoethane (EDB)	106-93-4	110
1,2-Dichloroethane	107-06-2	96
1,4-Dichlorobenzene	106-46-7	84
Benzene	71-43-2	94
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	105
Chloroform	67-66-3	93
Chloromethane	74-87-3	80
cis-1,2-Dichloroethene	156-59-2	99
Ethyl Benzene	100-41-4	107
Freon 114	76-14-2	98
Freon 12	75-71-8	100
m,p-Xylene	108-38-3	108
Methyl tert-butyl ether	1634-04-4	94
o-Xylene	95-47-6	109
Tetrachloroethene	127-18-4	94
Toluene	108-88-3	102
trans-1,2-Dichloroethene	156-60-5	80
Trichloroethene	79-01-6	101

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510311-13BB	**Date/Time Analyzed:**	10/20/15 06:57 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102004sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	90

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	96
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	103

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

Client ID:	LCS		
Lab ID:	1510311-13C	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	105
1,2,4-Trimethylbenzene	95-63-6	104
1,2-Dichlorobenzene	95-50-1	99
1,2-Dichloropropane	78-87-5	104
1,3,5-Trimethylbenzene	108-67-8	110
1,3-Butadiene	106-99-0	96
1,3-Dichlorobenzene	541-73-1	100
1,4-Dioxane	123-91-1	104
2,2,4-Trimethylpentane	540-84-1	97
2-Butanone (Methyl Ethyl Ketone)	78-93-3	98
2-Hexanone	591-78-6	102
2-Propanol	67-63-0	102
3-Chloropropene	107-05-1	96
4-Ethyltoluene	622-96-8	99
4-Methyl-2-pentanone	108-10-1	107
Acetone	67-64-1	90
alpha-Chlorotoluene	100-44-7	110
Bromodichloromethane	75-27-4	116
Bromoform	75-25-2	120
Bromomethane	74-83-9	123
Carbon Disulfide	75-15-0	89
Chlorobenzene	108-90-7	102
cis-1,3-Dichloropropene	10061-01-5	95
Cumene	98-82-8	105

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510311-13C	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	96
Dibromochloromethane	124-48-1	114
Ethanol	64-17-5	100
Freon 11	75-69-4	103
Freon 113	76-13-1	93
Heptane	142-82-5	104
Hexachlorobutadiene	87-68-3	94
Hexane	110-54-3	95
Methylene Chloride	75-09-2	94
Propylbenzene	103-65-1	103
Styrene	100-42-5	107
Tetrahydrofuran	109-99-9	93
trans-1,3-Dichloropropene	10061-02-6	107

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	99
Toluene-d8	2037-26-5	89-108	103

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

eurofins | Air Toxics

Client ID:	LCSD		
Lab ID:	1510311-13CC	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	106
1,2,4-Trimethylbenzene	95-63-6	98
1,2-Dichlorobenzene	95-50-1	95
1,2-Dichloropropane	78-87-5	105
1,3,5-Trimethylbenzene	108-67-8	104
1,3-Butadiene	106-99-0	95
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	104
2,2,4-Trimethylpentane	540-84-1	95
2-Butanone (Methyl Ethyl Ketone)	78-93-3	96
2-Hexanone	591-78-6	104
2-Propanol	67-63-0	103
3-Chloropropene	107-05-1	97
4-Ethyltoluene	622-96-8	94
4-Methyl-2-pentanone	108-10-1	107
Acetone	67-64-1	94
alpha-Chlorotoluene	100-44-7	107
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	118
Bromomethane	74-83-9	123
Carbon Disulfide	75-15-0	90
Chlorobenzene	108-90-7	102
cis-1,3-Dichloropropene	10061-01-5	96
Cumene	98-82-8	104

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510311-13CC	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	98
Dibromochloromethane	124-48-1	112
Ethanol	64-17-5	106
Freon 11	75-69-4	103
Freon 113	76-13-1	92
Heptane	142-82-5	105
Hexachlorobutadiene	87-68-3	90
Hexane	110-54-3	95
Methylene Chloride	75-09-2	94
Propylbenzene	103-65-1	98
Styrene	100-42-5	105
Tetrahydrofuran	109-99-9	95
trans-1,3-Dichloropropene	10061-02-6	106

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	96
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	103

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510311-13D	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	90
1,1,2-Trichloroethane	79-00-5	107
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	85
1,2-Dibromoethane (EDB)	106-93-4	110
1,2-Dichloroethane	107-06-2	99
1,4-Dichlorobenzene	106-46-7	87
Benzene	71-43-2	96
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	105
Chloroform	67-66-3	93
Chloromethane	74-87-3	82
cis-1,2-Dichloroethene	156-59-2	97
Ethyl Benzene	100-41-4	107
Freon 114	76-14-2	97
Freon 12	75-71-8	101
m,p-Xylene	108-38-3	108
Methyl tert-butyl ether	1634-04-4	89
o-Xylene	95-47-6	107
Tetrachloroethene	127-18-4	94
Toluene	108-88-3	103
trans-1,2-Dichloroethene	156-60-5	79
Trichloroethene	79-01-6	102

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCS		
Lab ID:	1510311-13D	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	90

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510311-13DD	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	88
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	86
1,2-Dibromoethane (EDB)	106-93-4	110
1,2-Dichloroethane	107-06-2	97
1,4-Dichlorobenzene	106-46-7	83
Benzene	71-43-2	94
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	106
Chloroform	67-66-3	93
Chloromethane	74-87-3	82
cis-1,2-Dichloroethene	156-59-2	98
Ethyl Benzene	100-41-4	105
Freon 114	76-14-2	98
Freon 12	75-71-8	100
m,p-Xylene	108-38-3	106
Methyl tert-butyl ether	1634-04-4	91
o-Xylene	95-47-6	105
Tetrachloroethene	127-18-4	93
Toluene	108-88-3	102
trans-1,2-Dichloroethene	156-60-5	79
Trichloroethene	79-01-6	102

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN
EARTH TOXICS

Client ID:	LCSD		
Lab ID:	1510311-13DD	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	90

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	103

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

10/23/2015
Mr. Mike Dryden
Earth Toxics, Inc.
206 Quail Way

Logan UT 84321

Project Name:
Project #:
Workorder #: 1510312

Dear Mr. Mike Dryden

The following report includes the data for the above referenced project for sample(s) received on 10/16/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1510312

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	AV31IASM01	Modified TO-15	4.9 "Hg	5 psi
01AA	AV31IASM01 Lab Duplicate	Modified TO-15	4.9 "Hg	5 psi
01B	AV31IASM01	Modified TO-15	4.9 "Hg	5 psi
01BB	AV31IASM01 Lab Duplicate	Modified TO-15	4.9 "Hg	5 psi
02A	AV34IASMCR	Modified TO-15	2.2 "Hg	5 psi
02B	AV34IASMCR	Modified TO-15	2.2 "Hg	5 psi
03A	AV34IASMHWY1N	Modified TO-15	8.2 "Hg	5.1 psi
03B	AV34IASMHWY1N	Modified TO-15	8.2 "Hg	5.1 psi
04A	AV34IASMHWY1S	Modified TO-15	4.3 "Hg	5 psi
04AA	AV34IASMHWY1S Lab Duplicate	Modified TO-15	4.3 "Hg	5 psi
04B	AV34IASMHWY1S	Modified TO-15	4.3 "Hg	5 psi
04BB	AV34IASMHWY1S Lab Duplicate	Modified TO-15	4.3 "Hg	5 psi
05A	AV34IASMBKD	Modified TO-15	7.1 "Hg	5 psi
05B	AV34IASMBKD	Modified TO-15	7.1 "Hg	5 psi
06A	ELCIASMBL5	Modified TO-15	4.9 "Hg	5.1 psi
06B	ELCIASMBL5	Modified TO-15	4.9 "Hg	5.1 psi
07A	ELCIASMBL1	Modified TO-15	4.1 "Hg	4.6 psi
07B	ELCIASMBL1	Modified TO-15	4.1 "Hg	4.6 psi
08A	ELCIASMBL2	Modified TO-15	2.2 "Hg	4.8 psi
08B	ELCIASMBL2	Modified TO-15	2.2 "Hg	4.8 psi
09A	ELCIASMBL2D	Modified TO-15	3.7 "Hg	5.1 psi
09B	ELCIASMBL2D	Modified TO-15	3.7 "Hg	5.1 psi
10A	ELCIASMBL3107	Modified TO-15	8.4 "Hg	5 psi

Continued on next page

eurofins | Air Toxics

WORK ORDER #: 1510312

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
10B	ELCIASMBL3107	Modified TO-15	8.4 "Hg	5 psi
11A	Lab Blank	Modified TO-15	NA	NA
11B	Lab Blank	Modified TO-15	NA	NA
11C	Lab Blank	Modified TO-15	NA	NA
11D	Lab Blank	Modified TO-15	NA	NA
12A	CCV	Modified TO-15	NA	NA
12B	CCV	Modified TO-15	NA	NA
12C	CCV	Modified TO-15	NA	NA
12D	CCV	Modified TO-15	NA	NA
13A	LCS	Modified TO-15	NA	NA
13AA	LCSD	Modified TO-15	NA	NA
13B	LCS	Modified TO-15	NA	NA
13BB	LCSD	Modified TO-15	NA	NA
13C	LCS	Modified TO-15	NA	NA
13CC	LCSD	Modified TO-15	NA	NA
13D	LCS	Modified TO-15	NA	NA
13DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 10/23/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
DoD QSM 5.0 TO-15 LL/SIM
Earth Toxics, Inc.
Workorder# 1510312

Ten 6 Liter Summa Canister (SIM Certified) samples were received on October 16, 2015. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications and DoD QSM 5.0 modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the modifications.

Requirement	***TO-15 LL/SIM DoD QS***	***ATL Modifications***
Blank and standards	Zero air	UHP Nitrogren provides a higher purity gas matrix than zero air
Daily Calibration	+- 30% Difference	For Std. Full Scan: </= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
DoD QSM 5.0 Module 4 (1.7.1.1.j, 1.5.2.1.b, 1.5.2.2.c) Surrogates	Quantification of surrogates requires a multi-point calibration and determination of DL and LOQ.	Quantification achieved using a multipoint calibration at a single concentration, analogous to internal standards. DLs and LOQs are not established.
DoD QSM 5.0 Section 2.2.1 PT Requirement	Two PT samples per year for each analyte-matrix-method combination are required.	Not all analyte-matrix-method combinations on the scope of accreditation are available from the current PT providers.
DoD QSM 5.0 Section 1.7.4.1 Lab Blank	No analytes detected at >1/2 LOQ	No analytes detected at >/=LOQ.
Initial Calibration	</=30%RSD with 2 compounds out up to 40%RSD	(Full Scan): </=30%RSD with 4 compounds out up to 40%RSD SIM: Default criterion is </=30%RSD with 10% VOCs out up to 40%RSD.

Receiving Notes

The Chain of Custody (COC) information for samples AV34IASM HWY 1S did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Chloromethane, cis-1,2-Dichloroethene and Carbon Tetrachloride were manually integrated in the initial calibration.

1,2-Dichloroethane was manually integrated in the Lab Blank analyzed on 10/22/15.

Carbon Tetrachloride exceeded ICV project acceptance criterion of </=30% Recovery (%R) in the intial calibration.

The Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (LCSD) analyzed on 10/21/15 did not meet in-house generated control limits per DoD criteria for Carbon Tetrachloride.

Ethanol exceeded the instrument's calibration range for sample ELCIASMBL5 and was flagged accordingly.

Ethanol and Acetone exceeded the instrument's calibration range for samples AV34IASMHWY1N, AV34IASMHWY1S and AV34IASMHWY1S Lab Duplicate and was flagged accordingly.

The Continuing Calibration Verification (CCV) analyzed on 10/21/15 was outside the laboratory acceptance criteria of 30% D for compounds 2-Propanol.

o-Xylene was manually integrated in sample AV34IASMBKD.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.
CN - See case narrative explanation

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV31IASM01		
Lab ID:	1510312-01A	**Date/Time Analyzed:**	10/21/15 04:28 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102111

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.53	1.2	5.9	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.056	0.31	0.79	0.19 J
1,2-Dichlorobenzene	95-50-1	0.23	0.38	0.96	Not Detected U
1,2-Dichloropropane	78-87-5	0.092	0.30	0.74	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.79	Not Detected U
1,3-Butadiene	106-99-0	0.076	0.14	0.35	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.96	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.58	0.56 J
2,2,4-Trimethylpentane	540-84-1	0.19	0.75	3.7	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.47	2.4	2.9
2-Hexanone	591-78-6	0.36	0.66	3.3	Not Detected U
2-Propanol	67-63-0	0.62	0.62	2.0	8.9 J
3-Chloropropene	107-05-1	0.34	0.50	2.5	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.79	0.20 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.66	2.7
Acetone	67-64-1	0.18	0.38	1.9	20
alpha-Chlorotoluene	100-44-7	0.12	0.33	0.83	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.43	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.66	1.6	Not Detected U
Bromomethane	74-83-9	0.48	0.62	3.1	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.50	2.5	Not Detected U
Chlorobenzene	108-90-7	0.066	0.29	0.74	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.29	0.73	Not Detected U
Cumene	98-82-8	0.096	0.31	0.79	0.13 J

Client ID:	AV31IASM01		
Lab ID:	1510312-01A	**Date/Time Analyzed:**	10/21/15 04:28 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102111

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.55	0.21 J
Dibromochloromethane	124-48-1	0.18	0.54	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.30	1.5	73
Freon 11	75-69-4	0.14	0.36	0.90	1.9
Freon 113	76-13-1	0.16	0.49	1.2	0.64 J
Heptane	142-82-5	0.063	0.26	0.66	0.17 J
Hexachlorobutadiene	87-68-3	0.74	1.7	8.5	Not Detected U
Hexane	110-54-3	0.085	0.22	0.56	0.12 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	2.0
Propylbenzene	103-65-1	0.12	0.31	0.79	Not Detected U
Styrene	100-42-5	0.075	0.27	0.68	0.22 J
Tetrahydrofuran	109-99-9	0.70	0.70	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.067	0.29	0.73	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	111
4-Bromofluorobenzene	460-00-4	79-114	96
Toluene-d8	2037-26-5	89-108	102

Client ID:	AV31IASM01 Lab Duplicate		
Lab ID:	1510312-01AA	**Date/Time Analyzed:**	10/21/15 05:16 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102112

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.53	1.2	5.9	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.056	0.31	0.79	0.20 J
1,2-Dichlorobenzene	95-50-1	0.23	0.38	0.96	Not Detected U
1,2-Dichloropropane	78-87-5	0.092	0.30	0.74	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.79	Not Detected U
1,3-Butadiene	106-99-0	0.076	0.14	0.35	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.96	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.58	0.54 J
2,2,4-Trimethylpentane	540-84-1	0.19	0.75	3.7	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.47	2.4	2.8
2-Hexanone	591-78-6	0.36	0.66	3.3	0.38 J
2-Propanol	67-63-0	0.62	0.62	2.0	10 J
3-Chloropropene	107-05-1	0.34	0.50	2.5	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.79	0.22 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.66	2.8
Acetone	67-64-1	0.18	0.38	1.9	21
alpha-Chlorotoluene	100-44-7	0.12	0.33	0.83	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.43	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.66	1.6	Not Detected U
Bromomethane	74-83-9	0.48	0.62	3.1	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.50	2.5	Not Detected U
Chlorobenzene	108-90-7	0.066	0.29	0.74	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.29	0.73	Not Detected U
Cumene	98-82-8	0.096	0.31	0.79	0.13 J

Client ID:	AV31IASM01 Lab Duplicate		
Lab ID:	1510312-01AA	**Date/Time Analyzed:**	10/21/15 05:16 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102112

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.55	0.22 J
Dibromochloromethane	124-48-1	0.18	0.54	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.30	1.5	72
Freon 11	75-69-4	0.14	0.36	0.90	1.9
Freon 113	76-13-1	0.16	0.49	1.2	0.51 J
Heptane	142-82-5	0.063	0.26	0.66	Not Detected U
Hexachlorobutadiene	87-68-3	0.74	1.7	8.5	Not Detected U
Hexane	110-54-3	0.085	0.22	0.56	0.12 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	2.0
Propylbenzene	103-65-1	0.12	0.31	0.79	Not Detected U
Styrene	100-42-5	0.075	0.27	0.68	0.20 J
Tetrahydrofuran	109-99-9	0.70	0.70	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.067	0.29	0.73	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	114
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	103

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV31IASM01		
Lab ID:	1510312-01B	**Date/Time Analyzed:**	10/21/15 04:28 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102111sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0041	0.035	0.17	0.028 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0083	0.044	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0080	0.035	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0057	0.025	0.063	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.049	0.24	0.029 J
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.058 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	0.044 J
Benzene	71-43-2	0.033	0.033	0.26	0.28
Carbon Tetrachloride	56-23-5	0.0055	0.040	0.20	0.57
Chloroethane	75-00-3	0.022	0.17	0.21	0.062 J
Chloroform	67-66-3	0.0033	0.031	0.16	0.19
Chloromethane	74-87-3	0.012	0.13	0.16	1.5
cis-1,2-Dichloroethene	156-59-2	0.0048	0.025	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.028	0.14	0.16
Freon 114	76-14-2	0.010	0.045	0.22	0.13 J
Freon 12	75-71-8	0.0047	0.032	0.16	2.5
m,p-Xylene	108-38-3	0.0083	0.028	0.28	0.48
Methyl tert-butyl ether	1634-04-4	0.0065	0.023	0.58	Not Detected U
o-Xylene	95-47-6	0.0068	0.028	0.14	0.23
Tetrachloroethene	127-18-4	0.0058	0.043	0.22	0.11 J
Toluene	108-88-3	0.013	0.024	0.12	13
trans-1,2-Dichloroethene	156-60-5	0.0055	0.025	0.63	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	0.044 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV31IASM01		
Lab ID:	1510312-01B	**Date/Time Analyzed:**	10/21/15 04:28 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102111sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0045	0.016	0.041	0.061

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	115
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	102

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV31IASM01 Lab Duplicate		
Lab ID:	1510312-01BB	**Date/Time Analyzed:**	10/21/15 05:16 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102112sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0041	0.035	0.17	0.024 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0083	0.044	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0080	0.035	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0057	0.025	0.063	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.049	0.24	0.027 J
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.057 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	0.033 J
Benzene	71-43-2	0.033	0.033	0.26	0.28
Carbon Tetrachloride	56-23-5	0.0055	0.040	0.20	0.59
Chloroethane	75-00-3	0.022	0.17	0.21	0.056 J
Chloroform	67-66-3	0.0033	0.031	0.16	0.19
Chloromethane	74-87-3	0.012	0.13	0.16	1.6
cis-1,2-Dichloroethene	156-59-2	0.0048	0.025	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.028	0.14	0.16
Freon 114	76-14-2	0.010	0.045	0.22	0.12 J
Freon 12	75-71-8	0.0047	0.032	0.16	2.5
m,p-Xylene	108-38-3	0.0083	0.028	0.28	0.49
Methyl tert-butyl ether	1634-04-4	0.0065	0.023	0.58	Not Detected U
o-Xylene	95-47-6	0.0068	0.028	0.14	0.24
Tetrachloroethene	127-18-4	0.0058	0.043	0.22	0.11 J
Toluene	108-88-3	0.013	0.024	0.12	13
trans-1,2-Dichloroethene	156-60-5	0.0055	0.025	0.63	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	0.044 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV31IASM01 Lab Duplicate		
Lab ID:	1510312-01BB	**Date/Time Analyzed:**	10/21/15 05:16 PM
Date/Time Collected:	10/14/15 09:37 AM	**Dilution Factor:**	1.60
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102112sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0045	0.016	0.041	0.062

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	116
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	102

Client ID:	AV34IASMCR		
Lab ID:	1510312-02A	**Date/Time Analyzed:**	10/21/15 06:35 PM
Date/Time Collected:	10/14/15 09:50 AM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102113

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.48	1.1	5.4	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.050	0.28	0.71	0.34 J
1,2-Dichlorobenzene	95-50-1	0.21	0.35	0.87	Not Detected U
1,2-Dichloropropane	78-87-5	0.083	0.27	0.67	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.28	0.71	Not Detected U
1,3-Butadiene	106-99-0	0.069	0.13	0.32	0.12 J
1,3-Dichlorobenzene	541-73-1	0.17	0.35	0.87	Not Detected U
1,4-Dioxane	123-91-1	0.19	0.21	0.52	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.68	3.4	0.18 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.21	0.43	2.1	2.4
2-Hexanone	591-78-6	0.33	0.59	3.0	0.78 J
2-Propanol	67-63-0	0.56	0.56	1.8	5.8 J
3-Chloropropene	107-05-1	0.31	0.45	2.3	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.28	0.71	0.28 J
4-Methyl-2-pentanone	108-10-1	0.11	0.24	0.59	0.25 J
Acetone	67-64-1	0.16	0.34	1.7	90
alpha-Chlorotoluene	100-44-7	0.11	0.30	0.75	Not Detected U
Bromodichloromethane	75-27-4	0.17	0.39	0.97	Not Detected U
Bromoform	75-25-2	0.16	0.60	1.5	Not Detected U
Bromomethane	74-83-9	0.43	0.56	2.8	Not Detected U
Carbon Disulfide	75-15-0	0.17	0.45	2.2	0.28 J
Chlorobenzene	108-90-7	0.060	0.27	0.67	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.11	0.26	0.66	Not Detected U
Cumene	98-82-8	0.087	0.28	0.71	Not Detected U

Client ID:	AV34IASMCR		
Lab ID:	1510312-02A	**Date/Time Analyzed:**	10/21/15 06:35 PM
Date/Time Collected:	10/14/15 09:50 AM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102113

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.10	0.20	0.50	1.9
Dibromochloromethane	124-48-1	0.16	0.49	1.2	Not Detected U
Ethanol	64-17-5	0.20	0.27	1.4	36
Freon 11	75-69-4	0.13	0.32	0.81	1.4
Freon 113	76-13-1	0.14	0.44	1.1	0.58 J
Heptane	142-82-5	0.057	0.24	0.59	0.63
Hexachlorobutadiene	87-68-3	0.68	1.5	7.7	Not Detected U
Hexane	110-54-3	0.077	0.20	0.51	0.40 J
Methylene Chloride	75-09-2	0.10	0.20	1.0	2.8
Propylbenzene	103-65-1	0.11	0.28	0.71	0.13 J
Styrene	100-42-5	0.068	0.25	0.62	7.2
Tetrahydrofuran	109-99-9	0.63	0.63	2.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.061	0.26	0.66	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	113
4-Bromofluorobenzene	460-00-4	79-114	96
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMCR		
Lab ID:	1510312-02B	**Date/Time Analyzed:**	10/21/15 06:35 PM
Date/Time Collected:	10/14/15 09:50 AM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102113sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0037	0.032	0.16	0.020 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0076	0.040	0.20	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0073	0.032	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0022	0.023	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0052	0.023	0.057	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.044	0.22	0.018 J
1,2-Dichloroethane	107-06-2	0.0034	0.023	0.12	0.052 J
1,4-Dichlorobenzene	106-46-7	0.019	0.035	0.17	0.064 J
Benzene	71-43-2	0.030	0.030	0.23	0.48
Carbon Tetrachloride	56-23-5	0.0050	0.036	0.18	0.56
Chloroethane	75-00-3	0.020	0.15	0.19	0.078 J
Chloroform	67-66-3	0.0030	0.028	0.14	0.10 J
Chloromethane	74-87-3	0.011	0.12	0.15	1.6
cis-1,2-Dichloroethene	156-59-2	0.0043	0.023	0.11	Not Detected U
Ethyl Benzene	100-41-4	0.021	0.025	0.12	0.23
Freon 114	76-14-2	0.0095	0.040	0.20	0.12 J
Freon 12	75-71-8	0.0042	0.029	0.14	2.5
m,p-Xylene	108-38-3	0.0076	0.025	0.25	0.60
Methyl tert-butyl ether	1634-04-4	0.0058	0.021	0.52	Not Detected U
o-Xylene	95-47-6	0.0062	0.025	0.12	0.33
Tetrachloroethene	127-18-4	0.0052	0.039	0.20	0.088 J
Toluene	108-88-3	0.012	0.022	0.11	7.6
trans-1,2-Dichloroethene	156-60-5	0.0050	0.023	0.57	Not Detected U
Trichloroethene	79-01-6	0.013	0.031	0.16	0.029 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV34IASMCR		
Lab ID:	1510312-02B	**Date/Time Analyzed:**	10/21/15 06:35 PM
Date/Time Collected:	10/14/15 09:50 AM	**Dilution Factor:**	1.45
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102113sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0041	0.015	0.037	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	100
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMHWY1N		
Lab ID:	1510312-03A	**Date/Time Analyzed:**	10/21/15 07:14 PM
Date/Time Collected:	10/14/15 01:38 PM	**Dilution Factor:**	1.85
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102114

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.61	1.4	6.9	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.064	0.36	0.91	0.28 J
1,2-Dichlorobenzene	95-50-1	0.26	0.44	1.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.11	0.34	0.85	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.18	0.36	0.91	Not Detected U
1,3-Butadiene	106-99-0	0.088	0.16	0.41	0.096 J
1,3-Dichlorobenzene	541-73-1	0.21	0.44	1.1	Not Detected U
1,4-Dioxane	123-91-1	0.25	0.27	0.67	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.22	0.86	4.3	0.24 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.27	0.54	2.7	1.7 J
2-Hexanone	591-78-6	0.42	0.76	3.8	Not Detected U
2-Propanol	67-63-0	0.72	0.72	2.3	14 J
3-Chloropropene	107-05-1	0.39	0.58	2.9	Not Detected U
4-Ethyltoluene	622-96-8	0.16	0.36	0.91	0.17 J
4-Methyl-2-pentanone	108-10-1	0.14	0.30	0.76	0.70 J
Acetone	67-64-1	0.20	0.44	2.2	490 J
alpha-Chlorotoluene	100-44-7	0.14	0.38	0.96	Not Detected U
Bromodichloromethane	75-27-4	0.22	0.50	1.2	Not Detected U
Bromoform	75-25-2	0.21	0.76	1.9	Not Detected U
Bromomethane	74-83-9	0.55	0.72	3.6	Not Detected U
Carbon Disulfide	75-15-0	0.21	0.58	2.9	0.23 J
Chlorobenzene	108-90-7	0.076	0.34	0.85	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.14	0.34	0.84	Not Detected U
Cumene	98-82-8	0.11	0.36	0.91	Not Detected U

Client ID:	AV34IASMHWY1N		
Lab ID:	1510312-03A	**Date/Time Analyzed:**	10/21/15 07:14 PM
Date/Time Collected:	10/14/15 01:38 PM	**Dilution Factor:**	1.85
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102114

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.13	0.25	0.64	Not Detected U
Dibromochloromethane	124-48-1	0.21	0.63	1.6	Not Detected U
Ethanol	64-17-5	0.26	0.35	1.7	190 J
Freon 11	75-69-4	0.16	0.42	1.0	1.3
Freon 113	76-13-1	0.18	0.57	1.4	0.52 J
Heptane	142-82-5	0.073	0.30	0.76	0.48 J
Hexachlorobutadiene	87-68-3	0.86	2.0	9.9	Not Detected U
Hexane	110-54-3	0.098	0.26	0.65	0.19 J
Methylene Chloride	75-09-2	0.13	0.26	1.3	0.99 J
Propylbenzene	103-65-1	0.14	0.36	0.91	Not Detected U
Styrene	100-42-5	0.087	0.32	0.79	0.97
Tetrahydrofuran	109-99-9	0.80	0.80	2.7	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.077	0.34	0.84	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	105
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMHWY1N		
Lab ID:	1510312-03B	**Date/Time Analyzed:**	10/21/15 07:14 PM
Date/Time Collected:	10/14/15 01:38 PM	**Dilution Factor:**	1.85
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102114sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0047	0.040	0.20	0.018 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0096	0.051	0.25	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0093	0.040	0.20	Not Detected U
1,1-Dichloroethane	75-34-3	0.0028	0.030	0.15	Not Detected U
1,1-Dichloroethene	75-35-4	0.0066	0.029	0.073	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.014	0.057	0.28	0.020 J
1,2-Dichloroethane	107-06-2	0.0043	0.030	0.15	0.056 J
1,4-Dichlorobenzene	106-46-7	0.025	0.044	0.22	0.067 J
Benzene	71-43-2	0.038	0.038	0.30	0.44
Carbon Tetrachloride	56-23-5	0.0064	0.046	0.23	0.61
Chloroethane	75-00-3	0.026	0.20	0.24	0.070 J
Chloroform	67-66-3	0.0038	0.036	0.18	0.12 J
Chloromethane	74-87-3	0.014	0.15	0.19	1.7
cis-1,2-Dichloroethene	156-59-2	0.0055	0.029	0.15	Not Detected U
Ethyl Benzene	100-41-4	0.027	0.032	0.16	0.16
Freon 114	76-14-2	0.012	0.052	0.26	0.11 J
Freon 12	75-71-8	0.0054	0.036	0.18	2.4
m,p-Xylene	108-38-3	0.0096	0.032	0.32	0.35
Methyl tert-butyl ether	1634-04-4	0.0075	0.027	0.67	Not Detected U
o-Xylene	95-47-6	0.0079	0.032	0.16	0.15 J
Tetrachloroethene	127-18-4	0.0066	0.050	0.25	0.084 J
Toluene	108-88-3	0.015	0.028	0.14	1.2
trans-1,2-Dichloroethene	156-60-5	0.0064	0.029	0.73	Not Detected U
Trichloroethene	79-01-6	0.016	0.040	0.20	0.061 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV34IASMHWY1N		
Lab ID:	1510312-03B	**Date/Time Analyzed:**	10/21/15 07:14 PM
Date/Time Collected:	10/14/15 01:38 PM	**Dilution Factor:**	1.85
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102114sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0052	0.019	0.047	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	107
4-Bromofluorobenzene	460-00-4	80-117	95
Toluene-d8	2037-26-5	92-110	99

Client ID:	AV34IASMHWY1S		
Lab ID:	1510312-04A	**Date/Time Analyzed:**	10/22/15 02:02 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102208

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.52	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.31	0.77	0.23 J
1,2-Dichlorobenzene	95-50-1	0.22	0.38	0.94	Not Detected U
1,2-Dichloropropane	78-87-5	0.089	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.77	Not Detected U
1,3-Butadiene	106-99-0	0.074	0.14	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.94	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.22	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.73	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	1.8 J
2-Hexanone	591-78-6	0.35	0.64	3.2	0.55 J
2-Propanol	67-63-0	0.60	0.60	1.9	11
3-Chloropropene	107-05-1	0.33	0.49	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.77	0.21 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.64	0.35 J
Acetone	67-64-1	0.17	0.37	1.8	250 J
alpha-Chlorotoluene	100-44-7	0.11	0.32	0.81	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.64	1.6	Not Detected U
Bromomethane	74-83-9	0.46	0.60	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.48	2.4	0.24 J
Chlorobenzene	108-90-7	0.064	0.29	0.72	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.71	Not Detected U
Cumene	98-82-8	0.094	0.31	0.77	Not Detected U

Client ID:	AV34IASMHWY1S		
Lab ID:	1510312-04A	**Date/Time Analyzed:**	10/22/15 02:02 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102208

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.54	0.12 J
Dibromochloromethane	124-48-1	0.17	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.5	180 J
Freon 11	75-69-4	0.14	0.35	0.88	1.7
Freon 113	76-13-1	0.15	0.48	1.2	0.54 J
Heptane	142-82-5	0.061	0.26	0.64	0.44 J
Hexachlorobutadiene	87-68-3	0.73	1.7	8.3	Not Detected U
Hexane	110-54-3	0.083	0.22	0.55	0.21 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.70 J
Propylbenzene	103-65-1	0.12	0.31	0.77	Not Detected U
Styrene	100-42-5	0.073	0.26	0.66	5.0
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.065	0.28	0.71	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	95
Toluene-d8	2037-26-5	89-108	99

eurofins | Air Toxics

Client ID:	AV34IASMHWY1S Lab Duplicate		
Lab ID:	1510312-04AA	**Date/Time Analyzed:**	10/22/15 02:41 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102209

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.52	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.31	0.77	0.27 J
1,2-Dichlorobenzene	95-50-1	0.22	0.38	0.94	Not Detected U
1,2-Dichloropropane	78-87-5	0.089	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.31	0.77	Not Detected U
1,3-Butadiene	106-99-0	0.074	0.14	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.38	0.94	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.22	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.73	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	2.0 J
2-Hexanone	591-78-6	0.35	0.64	3.2	0.65 J
2-Propanol	67-63-0	0.60	0.60	1.9	12
3-Chloropropene	107-05-1	0.33	0.49	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.31	0.77	0.21 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.64	0.44 J
Acetone	67-64-1	0.17	0.37	1.8	250 J
alpha-Chlorotoluene	100-44-7	0.11	0.32	0.81	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.64	1.6	Not Detected U
Bromomethane	74-83-9	0.46	0.60	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.48	2.4	0.22 J
Chlorobenzene	108-90-7	0.064	0.29	0.72	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.71	Not Detected U
Cumene	98-82-8	0.094	0.31	0.77	Not Detected U

Client ID:	AV34IASMHWY1S Lab Duplicate		
Lab ID:	1510312-04AA	**Date/Time Analyzed:**	10/22/15 02:41 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102209

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.54	0.13 J
Dibromochloromethane	124-48-1	0.17	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.5	180 J
Freon 11	75-69-4	0.14	0.35	0.88	1.9
Freon 113	76-13-1	0.15	0.48	1.2	0.61 J
Heptane	142-82-5	0.061	0.26	0.64	0.42 J
Hexachlorobutadiene	87-68-3	0.73	1.7	8.3	Not Detected U
Hexane	110-54-3	0.083	0.22	0.55	0.20 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.69 J
Propylbenzene	103-65-1	0.12	0.31	0.77	Not Detected U
Styrene	100-42-5	0.073	0.26	0.66	4.8
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.065	0.28	0.71	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMHWY1S		
Lab ID:	1510312-04B	**Date/Time Analyzed:**	10/22/15 02:02 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102208sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0081	0.043	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0078	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0056	0.025	0.062	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.048	0.24	0.017 J
1,2-Dichloroethane	107-06-2	0.0037	0.025	0.13	0.050 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	0.050 J
Benzene	71-43-2	0.032	0.032	0.25	0.42
Carbon Tetrachloride	56-23-5	0.0054	0.039	0.20	0.54
Chloroethane	75-00-3	0.022	0.16	0.20	0.053 J
Chloroform	67-66-3	0.0032	0.030	0.15	0.10 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.7
cis-1,2-Dichloroethene	156-59-2	0.0046	0.025	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.027	0.14	0.15
Freon 114	76-14-2	0.010	0.044	0.22	0.12 J
Freon 12	75-71-8	0.0046	0.031	0.15	2.5
m,p-Xylene	108-38-3	0.0081	0.027	0.27	0.33
Methyl tert-butyl ether	1634-04-4	0.0063	0.022	0.56	Not Detected U
o-Xylene	95-47-6	0.0066	0.027	0.14	0.21
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	0.063 J
Toluene	108-88-3	0.012	0.024	0.12	3.2
trans-1,2-Dichloroethene	156-60-5	0.0054	0.025	0.62	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	0.021 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV34IASMHWY1S		
Lab ID:	1510312-04B	**Date/Time Analyzed:**	10/22/15 02:02 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102208sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	109
4-Bromofluorobenzene	460-00-4	80-117	97
Toluene-d8	2037-26-5	92-110	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMHWY1S Lab Duplicate		
Lab ID:	1510312-04BB	**Date/Time Analyzed:**	10/22/15 02:41 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102209sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0081	0.043	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0078	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0056	0.025	0.062	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.048	0.24	0.022 J
1,2-Dichloroethane	107-06-2	0.0037	0.025	0.13	0.049 J
1,4-Dichlorobenzene	106-46-7	0.021	0.038	0.19	0.058 J
Benzene	71-43-2	0.032	0.032	0.25	0.42
Carbon Tetrachloride	56-23-5	0.0054	0.039	0.20	0.61
Chloroethane	75-00-3	0.022	0.16	0.20	0.055 J
Chloroform	67-66-3	0.0032	0.030	0.15	0.10 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.4
cis-1,2-Dichloroethene	156-59-2	0.0046	0.025	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.027	0.14	0.15
Freon 114	76-14-2	0.010	0.044	0.22	0.11 J
Freon 12	75-71-8	0.0046	0.031	0.15	2.4
m,p-Xylene	108-38-3	0.0081	0.027	0.27	0.32
Methyl tert-butyl ether	1634-04-4	0.0063	0.022	0.56	Not Detected U
o-Xylene	95-47-6	0.0066	0.027	0.14	0.17
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	0.062 J
Toluene	108-88-3	0.012	0.024	0.12	3.2
trans-1,2-Dichloroethene	156-60-5	0.0054	0.025	0.62	Not Detected U
Trichloroethene	79-01-6	0.014	0.034	0.17	0.019 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV34IASMHWY1S Lab Duplicate		
Lab ID:	1510312-04BB	**Date/Time Analyzed:**	10/22/15 02:41 PM
Date/Time Collected:	10/14/15 01:43 PM	**Dilution Factor:**	1.56
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102209sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	108
4-Bromofluorobenzene	460-00-4	80-117	96
Toluene-d8	2037-26-5	92-110	99

Client ID:	AV34IASMBKD		
Lab ID:	1510312-05A	**Date/Time Analyzed:**	10/21/15 07:53 PM
Date/Time Collected:	10/14/15 10:00 AM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102115

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.58	1.3	6.5	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.061	0.35	0.86	0.12 J
1,2-Dichlorobenzene	95-50-1	0.25	0.42	1.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.10	0.32	0.81	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.17	0.35	0.86	Not Detected U
1,3-Butadiene	106-99-0	0.084	0.16	0.39	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.20	0.42	1.0	Not Detected U
1,4-Dioxane	123-91-1	0.23	0.25	0.63	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.21	0.82	4.1	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.26	0.52	2.6	2.6
2-Hexanone	591-78-6	0.40	0.72	3.6	Not Detected U
2-Propanol	67-63-0	0.68	0.68	2.2	Not Detected UJ
3-Chloropropene	107-05-1	0.37	0.55	2.8	Not Detected U
4-Ethyltoluene	622-96-8	0.16	0.35	0.86	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.14	0.29	0.72	Not Detected U
Acetone	67-64-1	0.19	0.42	2.1	19
alpha-Chlorotoluene	100-44-7	0.13	0.36	0.91	Not Detected U
Bromodichloromethane	75-27-4	0.21	0.47	1.2	Not Detected U
Bromoform	75-25-2	0.20	0.73	1.8	Not Detected U
Bromomethane	74-83-9	0.52	0.68	3.4	Not Detected U
Carbon Disulfide	75-15-0	0.20	0.55	2.7	0.25 J
Chlorobenzene	108-90-7	0.073	0.32	0.81	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.14	0.32	0.80	Not Detected U
Cumene	98-82-8	0.11	0.35	0.86	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMBKD		
Lab ID:	1510312-05A	**Date/Time Analyzed:**	10/21/15 07:53 PM
Date/Time Collected:	10/14/15 10:00 AM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102115

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.24	0.60	Not Detected U
Dibromochloromethane	124-48-1	0.20	0.60	1.5	Not Detected U
Ethanol	64-17-5	0.25	0.33	1.6	5.4
Freon 11	75-69-4	0.15	0.40	0.99	1.7
Freon 113	76-13-1	0.17	0.54	1.3	0.60 J
Heptane	142-82-5	0.069	0.29	0.72	0.23 J
Hexachlorobutadiene	87-68-3	0.82	1.9	9.4	Not Detected U
Hexane	110-54-3	0.094	0.25	0.62	0.18 J
Methylene Chloride	75-09-2	0.12	0.24	1.2	0.98 J
Propylbenzene	103-65-1	0.13	0.35	0.86	Not Detected U
Styrene	100-42-5	0.083	0.30	0.75	Not Detected U
Tetrahydrofuran	109-99-9	0.77	0.77	2.6	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.074	0.32	0.80	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	117
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	96

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMBKD		
Lab ID:	1510312-05B	**Date/Time Analyzed:**	10/21/15 07:53 PM
Date/Time Collected:	10/14/15 10:00 AM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102115sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0045	0.038	0.19	0.020 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0092	0.048	0.24	0.015 J
1,1,2-Trichloroethane	79-00-5	0.0088	0.038	0.19	Not Detected U
1,1-Dichloroethane	75-34-3	0.0026	0.028	0.14	Not Detected U
1,1-Dichloroethene	75-35-4	0.0063	0.028	0.070	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.013	0.054	0.27	0.028 J
1,2-Dichloroethane	107-06-2	0.0041	0.028	0.14	0.039 J
1,4-Dichlorobenzene	106-46-7	0.024	0.042	0.21	0.027 J
Benzene	71-43-2	0.036	0.036	0.28	0.34
Carbon Tetrachloride	56-23-5	0.0061	0.044	0.22	0.54
Chloroethane	75-00-3	0.024	0.18	0.23	0.097 J
Chloroform	67-66-3	0.0036	0.034	0.17	0.081 J
Chloromethane	74-87-3	0.014	0.14	0.18	1.7
cis-1,2-Dichloroethene	156-59-2	0.0052	0.028	0.14	Not Detected U
Ethyl Benzene	100-41-4	0.026	0.030	0.15	0.085 J
Freon 114	76-14-2	0.012	0.049	0.25	0.13 J
Freon 12	75-71-8	0.0051	0.035	0.17	2.8
m,p-Xylene	108-38-3	0.0092	0.030	0.30	0.24 J
Methyl tert-butyl ether	1634-04-4	0.0071	0.025	0.63	Not Detected U
o-Xylene	95-47-6	0.0075	0.030	0.15	0.087 J
Tetrachloroethene	127-18-4	0.0063	0.048	0.24	Not Detected U
Toluene	108-88-3	0.014	0.026	0.13	0.84
trans-1,2-Dichloroethene	156-60-5	0.0061	0.028	0.70	Not Detected U
Trichloroethene	79-01-6	0.016	0.038	0.19	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV34IASMBKD		
Lab ID:	1510312-05B	**Date/Time Analyzed:**	10/21/15 07:53 PM
Date/Time Collected:	10/14/15 10:00 AM	**Dilution Factor:**	1.76
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102115sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0049	0.018	0.045	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	119
4-Bromofluorobenzene	460-00-4	80-117	96
Toluene-d8	2037-26-5	92-110	97

Client ID:	ELCIASMBL5		
Lab ID:	1510312-06A	**Date/Time Analyzed:**	10/21/15 08:46 PM
Date/Time Collected:	10/14/15 11:44 AM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102116

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.53	1.2	6.0	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.056	0.32	0.79	0.39 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.97	Not Detected U
1,2-Dichloropropane	78-87-5	0.092	0.30	0.74	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.79	0.16 J
1,3-Butadiene	106-99-0	0.077	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.97	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.58	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.75	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.47	2.4	1.6 J
2-Hexanone	591-78-6	0.36	0.66	3.3	Not Detected U
2-Propanol	67-63-0	0.62	0.62	2.0	3.6 J
3-Chloropropene	107-05-1	0.34	0.50	2.5	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.32	0.79	0.27 J
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.66	3.1
Acetone	67-64-1	0.18	0.38	1.9	27
alpha-Chlorotoluene	100-44-7	0.12	0.33	0.83	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.43	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.66	1.7	Not Detected U
Bromomethane	74-83-9	0.48	0.62	3.1	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.50	2.5	Not Detected U
Chlorobenzene	108-90-7	0.067	0.30	0.74	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.29	0.73	Not Detected U
Cumene	98-82-8	0.097	0.32	0.79	Not Detected U

Client ID:	ELCIASMBL5		
Lab ID:	1510312-06A	**Date/Time Analyzed:**	10/21/15 08:46 PM
Date/Time Collected:	10/14/15 11:44 AM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102116

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.55	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.55	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.30	1.5	370 J
Freon 11	75-69-4	0.14	0.36	0.90	1.3
Freon 113	76-13-1	0.16	0.49	1.2	0.48 J
Heptane	142-82-5	0.063	0.26	0.66	Not Detected U
Hexachlorobutadiene	87-68-3	0.75	1.7	8.6	Not Detected U
Hexane	110-54-3	0.086	0.23	0.57	0.097 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.70 J
Propylbenzene	103-65-1	0.12	0.32	0.79	Not Detected U
Styrene	100-42-5	0.076	0.27	0.68	0.29 J
Tetrahydrofuran	109-99-9	0.70	0.70	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.067	0.29	0.73	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	105
4-Bromofluorobenzene	460-00-4	79-114	92
Toluene-d8	2037-26-5	89-108	101

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL5		
Lab ID:	1510312-06B	**Date/Time Analyzed:**	10/21/15 08:46 PM
Date/Time Collected:	10/14/15 11:44 AM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102116sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0041	0.035	0.18	0.020 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0084	0.044	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0081	0.035	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0057	0.026	0.064	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.049	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.15
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.19	0.025 J
Benzene	71-43-2	0.033	0.033	0.26	0.35
Carbon Tetrachloride	56-23-5	0.0056	0.040	0.20	0.65
Chloroethane	75-00-3	0.022	0.17	0.21	0.053 J
Chloroform	67-66-3	0.0033	0.031	0.16	0.095 J
Chloromethane	74-87-3	0.012	0.13	0.17	1.6
cis-1,2-Dichloroethene	156-59-2	0.0048	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.028	0.14	0.42
Freon 114	76-14-2	0.010	0.045	0.22	0.11 J
Freon 12	75-71-8	0.0047	0.032	0.16	2.5
m,p-Xylene	108-38-3	0.0084	0.028	0.28	0.93
Methyl tert-butyl ether	1634-04-4	0.0065	0.023	0.58	Not Detected U
o-Xylene	95-47-6	0.0068	0.028	0.14	0.46
Tetrachloroethene	127-18-4	0.0058	0.044	0.22	0.024 J
Toluene	108-88-3	0.013	0.024	0.12	4.4
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.64	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL5		
Lab ID:	1510312-06B	**Date/Time Analyzed:**	10/21/15 08:46 PM
Date/Time Collected:	10/14/15 11:44 AM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102116sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0045	0.016	0.041	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	109
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	101

Client ID:	ELCIASMBL1		
Lab ID:	1510312-07A	**Date/Time Analyzed:**	10/21/15 09:31 PM
Date/Time Collected:	10/14/15 11:24 AM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102117

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.50	1.1	5.6	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.053	0.30	0.75	0.12 J
1,2-Dichlorobenzene	95-50-1	0.22	0.36	0.91	Not Detected U
1,2-Dichloropropane	78-87-5	0.087	0.28	0.70	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.30	0.75	Not Detected U
1,3-Butadiene	106-99-0	0.072	0.13	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.36	0.91	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.22	0.55	0.32 J
2,2,4-Trimethylpentane	540-84-1	0.18	0.71	3.6	0.20 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.45	2.2	1.4 J
2-Hexanone	591-78-6	0.34	0.62	3.1	Not Detected U
2-Propanol	67-63-0	0.59	0.59	1.9	1.9 J
3-Chloropropene	107-05-1	0.32	0.48	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.30	0.75	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.25	0.62	Not Detected U
Acetone	67-64-1	0.17	0.36	1.8	12
alpha-Chlorotoluene	100-44-7	0.11	0.31	0.79	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.41	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.63	1.6	Not Detected U
Bromomethane	74-83-9	0.45	0.59	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.47	2.4	Not Detected U
Chlorobenzene	108-90-7	0.063	0.28	0.70	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.69	Not Detected U
Cumene	98-82-8	0.092	0.30	0.75	Not Detected U

Client ID:	ELCIASMBL1		
Lab ID:	1510312-07A	**Date/Time Analyzed:**	10/21/15 09:31 PM
Date/Time Collected:	10/14/15 11:24 AM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102117

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.52	0.15 J
Dibromochloromethane	124-48-1	0.17	0.52	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.4	3.1
Freon 11	75-69-4	0.13	0.34	0.85	1.3
Freon 113	76-13-1	0.15	0.46	1.2	0.48 J
Heptane	142-82-5	0.060	0.25	0.62	0.37 J
Hexachlorobutadiene	87-68-3	0.71	1.6	8.1	Not Detected U
Hexane	110-54-3	0.081	0.21	0.54	0.28 J
Methylene Chloride	75-09-2	0.11	0.21	1.0	0.55 J
Propylbenzene	103-65-1	0.11	0.30	0.75	Not Detected U
Styrene	100-42-5	0.071	0.26	0.65	Not Detected U
Tetrahydrofuran	109-99-9	0.66	0.66	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.064	0.28	0.69	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	89
Toluene-d8	2037-26-5	89-108	96

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL1		
Lab ID:	1510312-07B	**Date/Time Analyzed:**	10/21/15 09:31 PM
Date/Time Collected:	10/14/15 11:24 AM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102117sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0039	0.033	0.16	0.017 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0079	0.042	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0076	0.033	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.12	0.014 J
1,1-Dichloroethene	75-35-4	0.0054	0.024	0.060	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.047	0.23	Not Detected U
1,2-Dichloroethane	107-06-2	0.0036	0.025	0.12	0.041 J
1,4-Dichlorobenzene	106-46-7	0.020	0.036	0.18	Not Detected U
Benzene	71-43-2	0.031	0.031	0.24	0.32
Carbon Tetrachloride	56-23-5	0.0053	0.038	0.19	0.62
Chloroethane	75-00-3	0.021	0.16	0.20	0.025 J
Chloroform	67-66-3	0.0031	0.030	0.15	0.079 J
Chloromethane	74-87-3	0.012	0.12	0.16	1.6
cis-1,2-Dichloroethene	156-59-2	0.0045	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.15
Freon 114	76-14-2	0.010	0.042	0.21	0.12 J
Freon 12	75-71-8	0.0044	0.030	0.15	2.5
m,p-Xylene	108-38-3	0.0079	0.026	0.26	0.38
Methyl tert-butyl ether	1634-04-4	0.0061	0.022	0.55	Not Detected U
o-Xylene	95-47-6	0.0065	0.026	0.13	0.18
Tetrachloroethene	127-18-4	0.0055	0.041	0.21	0.027 J
Toluene	108-88-3	0.012	0.023	0.11	4.9
trans-1,2-Dichloroethene	156-60-5	0.0052	0.024	0.60	Not Detected U
Trichloroethene	79-01-6	0.013	0.033	0.16	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL1		
Lab ID:	1510312-07B	**Date/Time Analyzed:**	10/21/15 09:31 PM
Date/Time Collected:	10/14/15 11:24 AM	**Dilution Factor:**	1.52
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102117sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0043	0.016	0.039	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	111
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	96

Client ID:	ELCIASMBL2		
Lab ID:	1510312-08A	**Date/Time Analyzed:**	10/22/15 07:48 AM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.43
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102121

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.47	1.1	5.3	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.050	0.28	0.70	0.13 J
1,2-Dichlorobenzene	95-50-1	0.20	0.34	0.86	Not Detected U
1,2-Dichloropropane	78-87-5	0.082	0.26	0.66	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.28	0.70	Not Detected U
1,3-Butadiene	106-99-0	0.068	0.13	0.32	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.16	0.34	0.86	Not Detected U
1,4-Dioxane	123-91-1	0.19	0.21	0.52	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.17	0.67	3.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.21	0.42	2.1	0.86 J
2-Hexanone	591-78-6	0.32	0.58	2.9	Not Detected U
2-Propanol	67-63-0	0.56	0.56	1.8	0.68 J
3-Chloropropene	107-05-1	0.30	0.45	2.2	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.28	0.70	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.11	0.23	0.58	Not Detected U
Acetone	67-64-1	0.16	0.34	1.7	8.0
alpha-Chlorotoluene	100-44-7	0.10	0.30	0.74	Not Detected U
Bromodichloromethane	75-27-4	0.17	0.38	0.96	Not Detected U
Bromoform	75-25-2	0.16	0.59	1.5	Not Detected U
Bromomethane	74-83-9	0.43	0.56	2.8	Not Detected U
Carbon Disulfide	75-15-0	0.16	0.44	2.2	Not Detected U
Chlorobenzene	108-90-7	0.059	0.26	0.66	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.11	0.26	0.65	Not Detected U
Cumene	98-82-8	0.086	0.28	0.70	Not Detected U

Client ID:	ELCIASMBL2		
Lab ID:	1510312-08A	**Date/Time Analyzed:**	10/22/15 07:48 AM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.43
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102121

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.10	0.20	0.49	Not Detected U
Dibromochloromethane	124-48-1	0.16	0.49	1.2	Not Detected U
Ethanol	64-17-5	0.20	0.27	1.3	2.8
Freon 11	75-69-4	0.12	0.32	0.80	1.3
Freon 113	76-13-1	0.14	0.44	1.1	0.57 J
Heptane	142-82-5	0.056	0.23	0.59	Not Detected U
Hexachlorobutadiene	87-68-3	0.67	1.5	7.6	Not Detected U
Hexane	110-54-3	0.076	0.20	0.50	0.10 J
Methylene Chloride	75-09-2	0.10	0.20	0.99	0.64 J
Propylbenzene	103-65-1	0.11	0.28	0.70	Not Detected U
Styrene	100-42-5	0.067	0.24	0.61	0.068 J
Tetrahydrofuran	109-99-9	0.62	0.62	2.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.060	0.26	0.65	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	113
4-Bromofluorobenzene	460-00-4	79-114	87
Toluene-d8	2037-26-5	89-108	101

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL2		
Lab ID:	1510312-08B	**Date/Time Analyzed:**	10/22/15 07:48 AM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.43
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102121sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0037	0.031	0.16	0.017 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0075	0.039	0.20	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0072	0.031	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0021	0.023	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0051	0.023	0.057	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.010	0.044	0.22	Not Detected U
1,2-Dichloroethane	107-06-2	0.0034	0.023	0.12	0.036 J
1,4-Dichlorobenzene	106-46-7	0.019	0.034	0.17	0.032 J
Benzene	71-43-2	0.030	0.030	0.23	0.33
Carbon Tetrachloride	56-23-5	0.0049	0.036	0.18	0.56
Chloroethane	75-00-3	0.020	0.15	0.19	0.031 J
Chloroform	67-66-3	0.0029	0.028	0.14	0.074 J
Chloromethane	74-87-3	0.011	0.12	0.15	1.4
cis-1,2-Dichloroethene	156-59-2	0.0042	0.023	0.11	Not Detected U
Ethyl Benzene	100-41-4	0.021	0.025	0.12	0.096 J
Freon 114	76-14-2	0.0094	0.040	0.20	0.12 J
Freon 12	75-71-8	0.0042	0.028	0.14	2.6
m,p-Xylene	108-38-3	0.0074	0.025	0.25	0.25
Methyl tert-butyl ether	1634-04-4	0.0058	0.021	0.52	0.0058 J
o-Xylene	95-47-6	0.0061	0.025	0.12	0.090 J
Tetrachloroethene	127-18-4	0.0051	0.039	0.19	0.015 J
Toluene	108-88-3	0.011	0.022	0.11	0.68
trans-1,2-Dichloroethene	156-60-5	0.0049	0.023	0.57	Not Detected U
Trichloroethene	79-01-6	0.013	0.031	0.15	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL2		
Lab ID:	1510312-08B	**Date/Time Analyzed:**	10/22/15 07:48 AM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.43
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102121sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0040	0.015	0.036	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	113
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	99

Client ID:	ELCIASMBL2D		
Lab ID:	1510312-09A	**Date/Time Analyzed:**	10/21/15 10:19 PM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.53
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102118

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.51	1.1	5.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.053	0.30	0.75	0.16 J
1,2-Dichlorobenzene	95-50-1	0.22	0.37	0.92	Not Detected U
1,2-Dichloropropane	78-87-5	0.088	0.28	0.71	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.30	0.75	Not Detected U
1,3-Butadiene	106-99-0	0.073	0.14	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.37	0.92	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.22	0.55	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.71	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.45	2.2	1.6 J
2-Hexanone	591-78-6	0.34	0.63	3.1	Not Detected U
2-Propanol	67-63-0	0.59	0.59	1.9	0.70 J
3-Chloropropene	107-05-1	0.32	0.48	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.30	0.75	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.25	0.63	0.14 J
Acetone	67-64-1	0.17	0.36	1.8	10
alpha-Chlorotoluene	100-44-7	0.11	0.32	0.79	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.41	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.63	1.6	Not Detected U
Bromomethane	74-83-9	0.46	0.59	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.48	2.4	Not Detected U
Chlorobenzene	108-90-7	0.063	0.28	0.70	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.69	Not Detected U
Cumene	98-82-8	0.092	0.30	0.75	Not Detected U

Client ID:	ELCIASMBL2D		
Lab ID:	1510312-09A	**Date/Time Analyzed:**	10/21/15 10:19 PM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.53
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102118

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.53	Not Detected U
Dibromochloromethane	124-48-1	0.17	0.52	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.4	2.7
Freon 11	75-69-4	0.13	0.34	0.86	1.4
Freon 113	76-13-1	0.15	0.47	1.2	0.52 J
Heptane	142-82-5	0.060	0.25	0.63	Not Detected U
Hexachlorobutadiene	87-68-3	0.71	1.6	8.2	Not Detected U
Hexane	110-54-3	0.081	0.22	0.54	0.13 J
Methylene Chloride	75-09-2	0.11	0.21	1.1	0.54 J
Propylbenzene	103-65-1	0.11	0.30	0.75	Not Detected U
Styrene	100-42-5	0.072	0.26	0.65	0.090 J
Tetrahydrofuran	109-99-9	0.67	0.67	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.064	0.28	0.69	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	110
4-Bromofluorobenzene	460-00-4	79-114	89
Toluene-d8	2037-26-5	89-108	97

Client ID:	ELCIASMBL2D		
Lab ID:	1510312-09B	**Date/Time Analyzed:**	10/21/15 10:19 PM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.53
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102118sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0039	0.033	0.17	0.020 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0080	0.042	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0077	0.033	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0055	0.024	0.061	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.047	0.24	Not Detected U
1,2-Dichloroethane	107-06-2	0.0036	0.025	0.12	0.038 J
1,4-Dichlorobenzene	106-46-7	0.020	0.037	0.18	0.021 J
Benzene	71-43-2	0.032	0.032	0.24	0.37
Carbon Tetrachloride	56-23-5	0.0053	0.038	0.19	0.55
Chloroethane	75-00-3	0.021	0.16	0.20	0.035 J
Chloroform	67-66-3	0.0031	0.030	0.15	0.081 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.4
cis-1,2-Dichloroethene	156-59-2	0.0045	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.10 J
Freon 114	76-14-2	0.010	0.043	0.21	0.12 J
Freon 12	75-71-8	0.0045	0.030	0.15	2.6
m,p-Xylene	108-38-3	0.0080	0.026	0.26	0.26 J
Methyl tert-butyl ether	1634-04-4	0.0062	0.022	0.55	Not Detected U
o-Xylene	95-47-6	0.0065	0.026	0.13	0.13 J
Tetrachloroethene	127-18-4	0.0055	0.042	0.21	0.093 J
Toluene	108-88-3	0.012	0.023	0.12	0.68
trans-1,2-Dichloroethene	156-60-5	0.0053	0.024	0.61	Not Detected U
Trichloroethene	79-01-6	0.013	0.033	0.16	0.16 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	ELCIASMBL2D		
Lab ID:	1510312-09B	**Date/Time Analyzed:**	10/21/15 10:19 PM
Date/Time Collected:	10/14/15 02:33 PM	**Dilution Factor:**	1.53
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102118sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0043	0.016	0.039	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	111
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL3107		
Lab ID:	1510312-10A	**Date/Time Analyzed:**	10/22/15 07:09 AM
Date/Time Collected:	10/14/15 02:40 PM	**Dilution Factor:**	1.86
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102120

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.62	1.4	6.9	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.064	0.36	0.91	0.18 J
1,2-Dichlorobenzene	95-50-1	0.26	0.45	1.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.11	0.34	0.86	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.18	0.36	0.91	Not Detected U
1,3-Butadiene	106-99-0	0.089	0.16	0.41	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.22	0.45	1.1	Not Detected U
1,4-Dioxane	123-91-1	0.25	0.27	0.67	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.23	0.87	4.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.27	0.55	2.7	0.82 J
2-Hexanone	591-78-6	0.42	0.76	3.8	Not Detected U
2-Propanol	67-63-0	0.72	0.72	2.3	1.6 J
3-Chloropropene	107-05-1	0.39	0.58	2.9	Not Detected U
4-Ethyltoluene	622-96-8	0.16	0.36	0.91	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.14	0.30	0.76	Not Detected U
Acetone	67-64-1	0.20	0.44	2.2	17
alpha-Chlorotoluene	100-44-7	0.14	0.38	0.96	Not Detected U
Bromodichloromethane	75-27-4	0.22	0.50	1.2	Not Detected U
Bromoform	75-25-2	0.21	0.77	1.9	Not Detected U
Bromomethane	74-83-9	0.55	0.72	3.6	Not Detected U
Carbon Disulfide	75-15-0	0.22	0.58	2.9	Not Detected U
Chlorobenzene	108-90-7	0.077	0.34	0.86	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.14	0.34	0.84	Not Detected U
Cumene	98-82-8	0.11	0.36	0.91	Not Detected U

Client ID:	ELCIASMBL3107		
Lab ID:	1510312-10A	**Date/Time Analyzed:**	10/22/15 07:09 AM
Date/Time Collected:	10/14/15 02:40 PM	**Dilution Factor:**	1.86
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102120

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.13	0.26	0.64	Not Detected U
Dibromochloromethane	124-48-1	0.21	0.63	1.6	Not Detected U
Ethanol	64-17-5	0.26	0.35	1.8	10
Freon 11	75-69-4	0.16	0.42	1.0	1.4
Freon 113	76-13-1	0.18	0.57	1.4	0.55 J
Heptane	142-82-5	0.073	0.30	0.76	Not Detected U
Hexachlorobutadiene	87-68-3	0.87	2.0	9.9	Not Detected U
Hexane	110-54-3	0.099	0.26	0.66	Not Detected U
Methylene Chloride	75-09-2	0.13	0.26	1.3	0.73 J
Propylbenzene	103-65-1	0.14	0.36	0.91	Not Detected U
Styrene	100-42-5	0.087	0.32	0.79	0.22 J
Tetrahydrofuran	109-99-9	0.81	0.81	2.7	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.078	0.34	0.84	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	106
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL3107		
Lab ID:	1510312-10B	**Date/Time Analyzed:**	10/22/15 07:09 AM
Date/Time Collected:	10/14/15 02:40 PM	**Dilution Factor:**	1.86
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102120sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0048	0.041	0.20	0.016 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0097	0.051	0.26	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0093	0.041	0.20	Not Detected U
1,1-Dichloroethane	75-34-3	0.0028	0.030	0.15	Not Detected U
1,1-Dichloroethene	75-35-4	0.0066	0.029	0.074	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.014	0.057	0.28	Not Detected U
1,2-Dichloroethane	107-06-2	0.0044	0.030	0.15	0.041 J
1,4-Dichlorobenzene	106-46-7	0.025	0.045	0.22	Not Detected U
Benzene	71-43-2	0.038	0.038	0.30	0.37
Carbon Tetrachloride	56-23-5	0.0064	0.047	0.23	0.63
Chloroethane	75-00-3	0.026	0.20	0.24	Not Detected U
Chloroform	67-66-3	0.0038	0.036	0.18	0.087 J
Chloromethane	74-87-3	0.014	0.15	0.19	1.5
cis-1,2-Dichloroethene	156-59-2	0.0055	0.029	0.15	Not Detected U
Ethyl Benzene	100-41-4	0.027	0.032	0.16	0.14 J
Freon 114	76-14-2	0.012	0.052	0.26	0.13 J
Freon 12	75-71-8	0.0054	0.037	0.18	2.6
m,p-Xylene	108-38-3	0.0097	0.032	0.32	0.25 J
Methyl tert-butyl ether	1634-04-4	0.0075	0.027	0.67	Not Detected U
o-Xylene	95-47-6	0.0079	0.032	0.16	0.094 J
Tetrachloroethene	127-18-4	0.0067	0.050	0.25	0.025 J
Toluene	108-88-3	0.015	0.028	0.14	0.79
trans-1,2-Dichloroethene	156-60-5	0.0064	0.029	0.74	Not Detected U
Trichloroethene	79-01-6	0.016	0.040	0.20	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	ELCIASMBL3107		
Lab ID:	1510312-10B	**Date/Time Analyzed:**	10/22/15 07:09 AM
Date/Time Collected:	10/14/15 02:40 PM	**Dilution Factor:**	1.86
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102120sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0052	0.019	0.048	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	97
Toluene-d8	2037-26-5	92-110	99

Client ID:	Lab Blank		
Lab ID:	1510312-11A	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.33	0.74	3.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.035	0.20	0.49	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.14	0.24	0.60	Not Detected U
1,2-Dichloropropane	78-87-5	0.057	0.18	0.46	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.096	0.20	0.49	Not Detected U
1,3-Butadiene	106-99-0	0.048	0.088	0.22	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.12	0.24	0.60	Not Detected U
1,4-Dioxane	123-91-1	0.13	0.14	0.36	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.12	0.47	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.15	0.29	1.5	Not Detected U
2-Hexanone	591-78-6	0.22	0.41	2.0	Not Detected U
2-Propanol	67-63-0	0.39	0.39	1.2	Not Detected UJ
3-Chloropropene	107-05-1	0.21	0.31	1.6	Not Detected U
4-Ethyltoluene	622-96-8	0.089	0.20	0.49	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.078	0.16	0.41	Not Detected U
Acetone	67-64-1	0.11	0.24	1.2	0.26 J
alpha-Chlorotoluene	100-44-7	0.073	0.21	0.52	0.087 J
Bromodichloromethane	75-27-4	0.12	0.27	0.67	Not Detected U
Bromoform	75-25-2	0.11	0.41	1.0	Not Detected U
Bromomethane	74-83-9	0.30	0.39	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.12	0.31	1.6	Not Detected U
Chlorobenzene	108-90-7	0.041	0.18	0.46	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.078	0.18	0.45	Not Detected U
Cumene	98-82-8	0.060	0.20	0.49	Not Detected U

Client ID:	Lab Blank		
Lab ID:	1510312-11A	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.071	0.14	0.34	Not Detected U
Dibromochloromethane	124-48-1	0.11	0.34	0.85	Not Detected U
Ethanol	64-17-5	0.14	0.19	0.94	Not Detected U
Freon 11	75-69-4	0.088	0.22	0.56	Not Detected U
Freon 113	76-13-1	0.097	0.31	0.77	Not Detected U
Heptane	142-82-5	0.039	0.16	0.41	Not Detected U
Hexachlorobutadiene	87-68-3	0.47	1.1	5.3	Not Detected U
Hexane	110-54-3	0.053	0.14	0.35	Not Detected U
Methylene Chloride	75-09-2	0.070	0.14	0.69	0.27 J
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected U
Styrene	100-42-5	0.047	0.17	0.42	Not Detected U
Tetrahydrofuran	109-99-9	0.44	0.44	1.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.042	0.18	0.45	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
UJ = Analyte associated with low bias in the CCV and/or LCS.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	109
4-Bromofluorobenzene	460-00-4	79-114	89
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510312-11B	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0026	0.022	0.11	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0052	0.027	0.14	0.016 J
1,1,2-Trichloroethane	79-00-5	0.0050	0.022	0.11	Not Detected U
1,1-Dichloroethane	75-34-3	0.0015	0.016	0.081	Not Detected U
1,1-Dichloroethene	75-35-4	0.0036	0.016	0.040	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.0074	0.031	0.15	0.028 J
1,2-Dichloroethane	107-06-2	0.0023	0.016	0.081	0.016 J
1,4-Dichlorobenzene	106-46-7	0.013	0.024	0.12	0.032 J
Benzene	71-43-2	0.021	0.021	0.16	Not Detected U
Carbon Tetrachloride	56-23-5	0.0035	0.025	0.12	Not Detected U
Chloroethane	75-00-3	0.014	0.10	0.13	Not Detected U
Chloroform	67-66-3	0.0020	0.020	0.098	Not Detected U
Chloromethane	74-87-3	0.0077	0.083	0.10	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.0030	0.016	0.079	Not Detected U
Ethyl Benzene	100-41-4	0.014	0.017	0.087	Not Detected U
Freon 114	76-14-2	0.0066	0.028	0.14	Not Detected U
Freon 12	75-71-8	0.0029	0.020	0.099	Not Detected U
m,p-Xylene	108-38-3	0.0052	0.017	0.17	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.0040	0.014	0.36	Not Detected U
o-Xylene	95-47-6	0.0042	0.017	0.087	Not Detected U
Tetrachloroethene	127-18-4	0.0036	0.027	0.14	Not Detected U
Toluene	108-88-3	0.0080	0.015	0.075	0.011 J
trans-1,2-Dichloroethene	156-60-5	0.0034	0.016	0.40	Not Detected U
Trichloroethene	79-01-6	0.0088	0.022	0.11	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	Lab Blank		
Lab ID:	1510312-11B	**Date/Time Analyzed:**	10/21/15 02:55 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102109sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0028	0.010	0.026	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	111
4-Bromofluorobenzene	460-00-4	80-117	94
Toluene-d8	2037-26-5	92-110	97

Client ID:	Lab Blank		
Lab ID:	1510312-11C	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.33	0.74	3.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.035	0.20	0.49	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.14	0.24	0.60	Not Detected U
1,2-Dichloropropane	78-87-5	0.057	0.18	0.46	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.096	0.20	0.49	Not Detected U
1,3-Butadiene	106-99-0	0.048	0.088	0.22	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.12	0.24	0.60	Not Detected U
1,4-Dioxane	123-91-1	0.13	0.14	0.36	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.12	0.47	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.15	0.29	1.5	Not Detected U
2-Hexanone	591-78-6	0.22	0.41	2.0	Not Detected U
2-Propanol	67-63-0	0.39	0.39	1.2	Not Detected U
3-Chloropropene	107-05-1	0.21	0.31	1.6	Not Detected U
4-Ethyltoluene	622-96-8	0.089	0.20	0.49	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.078	0.16	0.41	Not Detected U
Acetone	67-64-1	0.11	0.24	1.2	0.42 J
alpha-Chlorotoluene	100-44-7	0.073	0.21	0.52	Not Detected U
Bromodichloromethane	75-27-4	0.12	0.27	0.67	Not Detected U
Bromoform	75-25-2	0.11	0.41	1.0	Not Detected U
Bromomethane	74-83-9	0.30	0.39	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.12	0.31	1.6	Not Detected U
Chlorobenzene	108-90-7	0.041	0.18	0.46	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.078	0.18	0.45	Not Detected U
Cumene	98-82-8	0.060	0.20	0.49	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510312-11C	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.071	0.14	0.34	Not Detected U
Dibromochloromethane	124-48-1	0.11	0.34	0.85	Not Detected U
Ethanol	64-17-5	0.14	0.19	0.94	0.32 J
Freon 11	75-69-4	0.088	0.22	0.56	Not Detected U
Freon 113	76-13-1	0.097	0.31	0.77	Not Detected U
Heptane	142-82-5	0.039	0.16	0.41	Not Detected U
Hexachlorobutadiene	87-68-3	0.47	1.1	5.3	Not Detected U
Hexane	110-54-3	0.053	0.14	0.35	Not Detected U
Methylene Chloride	75-09-2	0.070	0.14	0.69	0.30 J
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected U
Styrene	100-42-5	0.047	0.17	0.42	Not Detected U
Tetrahydrofuran	109-99-9	0.44	0.44	1.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.042	0.18	0.45	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	111
4-Bromofluorobenzene	460-00-4	79-114	90
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510312-11D	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206sima

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0026	0.022	0.11	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0052	0.027	0.14	0.013 J
1,1,2-Trichloroethane	79-00-5	0.0050	0.022	0.11	Not Detected U
1,1-Dichloroethane	75-34-3	0.0015	0.016	0.081	Not Detected U
1,1-Dichloroethene	75-35-4	0.0036	0.016	0.040	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.0074	0.031	0.15	0.024 J
1,2-Dichloroethane	107-06-2	0.0023	0.016	0.081	0.0070 J
1,4-Dichlorobenzene	106-46-7	0.013	0.024	0.12	0.036 J
Benzene	71-43-2	0.021	0.021	0.16	Not Detected U
Carbon Tetrachloride	56-23-5	0.0035	0.025	0.12	Not Detected U
Chloroethane	75-00-3	0.014	0.10	0.13	Not Detected U
Chloroform	67-66-3	0.0020	0.020	0.098	Not Detected U
Chloromethane	74-87-3	0.0077	0.083	0.10	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.0030	0.016	0.079	Not Detected U
Ethyl Benzene	100-41-4	0.014	0.017	0.087	Not Detected U
Freon 114	76-14-2	0.0066	0.028	0.14	Not Detected U
Freon 12	75-71-8	0.0029	0.020	0.099	Not Detected U
m,p-Xylene	108-38-3	0.0052	0.017	0.17	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.0040	0.014	0.36	Not Detected U
o-Xylene	95-47-6	0.0042	0.017	0.087	Not Detected U
Tetrachloroethene	127-18-4	0.0036	0.027	0.14	Not Detected U
Toluene	108-88-3	0.0080	0.015	0.075	0.010 J
trans-1,2-Dichloroethene	156-60-5	0.0034	0.016	0.40	Not Detected U
Trichloroethene	79-01-6	0.0088	0.022	0.11	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510312-11D	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206sima

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0028	0.010	0.026	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	98

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510312-12A	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	82
1,2,4-Trimethylbenzene	95-63-6	81
1,2-Dichlorobenzene	95-50-1	80
1,2-Dichloropropane	78-87-5	88
1,3,5-Trimethylbenzene	108-67-8	85
1,3-Butadiene	106-99-0	81
1,3-Dichlorobenzene	541-73-1	83
1,4-Dioxane	123-91-1	82
2,2,4-Trimethylpentane	540-84-1	77
2-Butanone (Methyl Ethyl Ketone)	78-93-3	81
2-Hexanone	591-78-6	74
2-Propanol	67-63-0	65 Q
3-Chloropropene	107-05-1	80
4-Ethyltoluene	622-96-8	80
4-Methyl-2-pentanone	108-10-1	83
Acetone	67-64-1	87
alpha-Chlorotoluene	100-44-7	79
Bromodichloromethane	75-27-4	94
Bromoform	75-25-2	94
Bromomethane	74-83-9	103
Carbon Disulfide	75-15-0	85
Chlorobenzene	108-90-7	86
cis-1,3-Dichloropropene	10061-01-5	84
Cumene	98-82-8	86

Client ID:	CCV		
Lab ID:	1510312-12A	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	79
Dibromochloromethane	124-48-1	93
Ethanol	64-17-5	78
Freon 11	75-69-4	84
Freon 113	76-13-1	79
Heptane	142-82-5	86
Hexachlorobutadiene	87-68-3	75
Hexane	110-54-3	79
Methylene Chloride	75-09-2	79
Propylbenzene	103-65-1	81
Styrene	100-42-5	73
Tetrahydrofuran	109-99-9	78
trans-1,3-Dichloropropene	10061-02-6	86

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	94
4-Bromofluorobenzene	460-00-4	79-114	97
Toluene-d8	2037-26-5	89-108	102

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510312-12B	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	84
1,1,2,2-Tetrachloroethane	79-34-5	94
1,1,2-Trichloroethane	79-00-5	91
1,1-Dichloroethane	75-34-3	82
1,1-Dichloroethene	75-35-4	72
1,2-Dibromoethane (EDB)	106-93-4	93
1,2-Dichloroethane	107-06-2	86
1,4-Dichlorobenzene	106-46-7	71
Benzene	71-43-2	82
Carbon Tetrachloride	56-23-5	104
Chloroethane	75-00-3	86
Chloroform	67-66-3	80
Chloromethane	74-87-3	70
cis-1,2-Dichloroethene	156-59-2	75
Ethyl Benzene	100-41-4	88
Freon 114	76-14-2	81
Freon 12	75-71-8	86
m,p-Xylene	108-38-3	89
Methyl tert-butyl ether	1634-04-4	79
o-Xylene	95-47-6	85
Tetrachloroethene	127-18-4	80
Toluene	108-88-3	86
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	71

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	CCV		
Lab ID:	1510312-12B	**Date/Time Analyzed:**	10/21/15 09:47 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102103sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	75

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	100
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	103

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510312-12C	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	90
1,2,4-Trimethylbenzene	95-63-6	85
1,2-Dichlorobenzene	95-50-1	84
1,2-Dichloropropane	78-87-5	92
1,3,5-Trimethylbenzene	108-67-8	86
1,3-Butadiene	106-99-0	82
1,3-Dichlorobenzene	541-73-1	85
1,4-Dioxane	123-91-1	83
2,2,4-Trimethylpentane	540-84-1	78
2-Butanone (Methyl Ethyl Ketone)	78-93-3	99
2-Hexanone	591-78-6	73
2-Propanol	67-63-0	75
3-Chloropropene	107-05-1	79
4-Ethyltoluene	622-96-8	82
4-Methyl-2-pentanone	108-10-1	84
Acetone	67-64-1	84
alpha-Chlorotoluene	100-44-7	83
Bromodichloromethane	75-27-4	95
Bromoform	75-25-2	94
Bromomethane	74-83-9	103
Carbon Disulfide	75-15-0	86
Chlorobenzene	108-90-7	86
cis-1,3-Dichloropropene	10061-01-5	86
Cumene	98-82-8	87

Client ID:	CCV		
Lab ID:	1510312-12C	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	78
Dibromochloromethane	124-48-1	94
Ethanol	64-17-5	80
Freon 11	75-69-4	85
Freon 113	76-13-1	80
Heptane	142-82-5	91
Hexachlorobutadiene	87-68-3	80
Hexane	110-54-3	77
Methylene Chloride	75-09-2	81
Propylbenzene	103-65-1	83
Styrene	100-42-5	73
Tetrahydrofuran	109-99-9	78
trans-1,3-Dichloropropene	10061-02-6	87

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	99
Toluene-d8	2037-26-5	89-108	103

Client ID:	CCV		
Lab ID:	1510312-12D	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	84
1,1,2,2-Tetrachloroethane	79-34-5	97
1,1,2-Trichloroethane	79-00-5	91
1,1-Dichloroethane	75-34-3	82
1,1-Dichloroethene	75-35-4	72
1,2-Dibromoethane (EDB)	106-93-4	93
1,2-Dichloroethane	107-06-2	88
1,4-Dichlorobenzene	106-46-7	74
Benzene	71-43-2	84
Carbon Tetrachloride	56-23-5	104
Chloroethane	75-00-3	88
Chloroform	67-66-3	81
Chloromethane	74-87-3	71
cis-1,2-Dichloroethene	156-59-2	76
Ethyl Benzene	100-41-4	89
Freon 114	76-14-2	82
Freon 12	75-71-8	87
m,p-Xylene	108-38-3	88
Methyl tert-butyl ether	1634-04-4	78
o-Xylene	95-47-6	86
Tetrachloroethene	127-18-4	80
Toluene	108-88-3	88
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	72

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	CCV		
Lab ID:	1510312-12D	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	75

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	100
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	103

eurofins | Air Toxics

Client ID:	LCS		
Lab ID:	1510312-13A	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	105
1,2,4-Trimethylbenzene	95-63-6	104
1,2-Dichlorobenzene	95-50-1	99
1,2-Dichloropropane	78-87-5	104
1,3,5-Trimethylbenzene	108-67-8	110
1,3-Butadiene	106-99-0	96
1,3-Dichlorobenzene	541-73-1	100
1,4-Dioxane	123-91-1	104
2,2,4-Trimethylpentane	540-84-1	97
2-Butanone (Methyl Ethyl Ketone)	78-93-3	98
2-Hexanone	591-78-6	102
2-Propanol	67-63-0	102
3-Chloropropene	107-05-1	96
4-Ethyltoluene	622-96-8	99
4-Methyl-2-pentanone	108-10-1	107
Acetone	67-64-1	90
alpha-Chlorotoluene	100-44-7	110
Bromodichloromethane	75-27-4	116
Bromoform	75-25-2	120
Bromomethane	74-83-9	123
Carbon Disulfide	75-15-0	89
Chlorobenzene	108-90-7	102
cis-1,3-Dichloropropene	10061-01-5	95
Cumene	98-82-8	105

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510312-13A	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	96
Dibromochloromethane	124-48-1	114
Ethanol	64-17-5	100
Freon 11	75-69-4	103
Freon 113	76-13-1	93
Heptane	142-82-5	104
Hexachlorobutadiene	87-68-3	94
Hexane	110-54-3	95
Methylene Chloride	75-09-2	94
Propylbenzene	103-65-1	103
Styrene	100-42-5	107
Tetrahydrofuran	109-99-9	93
trans-1,3-Dichloropropene	10061-02-6	107

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	99
Toluene-d8	2037-26-5	89-108	103

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510312-13AA	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	106
1,2,4-Trimethylbenzene	95-63-6	98
1,2-Dichlorobenzene	95-50-1	95
1,2-Dichloropropane	78-87-5	105
1,3,5-Trimethylbenzene	108-67-8	104
1,3-Butadiene	106-99-0	95
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	104
2,2,4-Trimethylpentane	540-84-1	95
2-Butanone (Methyl Ethyl Ketone)	78-93-3	96
2-Hexanone	591-78-6	104
2-Propanol	67-63-0	103
3-Chloropropene	107-05-1	97
4-Ethyltoluene	622-96-8	94
4-Methyl-2-pentanone	108-10-1	107
Acetone	67-64-1	94
alpha-Chlorotoluene	100-44-7	107
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	118
Bromomethane	74-83-9	123
Carbon Disulfide	75-15-0	90
Chlorobenzene	108-90-7	102
cis-1,3-Dichloropropene	10061-01-5	96
Cumene	98-82-8	104

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510312-13AA	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	98
Dibromochloromethane	124-48-1	112
Ethanol	64-17-5	106
Freon 11	75-69-4	103
Freon 113	76-13-1	92
Heptane	142-82-5	105
Hexachlorobutadiene	87-68-3	90
Hexane	110-54-3	95
Methylene Chloride	75-09-2	94
Propylbenzene	103-65-1	98
Styrene	100-42-5	105
Tetrahydrofuran	109-99-9	95
trans-1,3-Dichloropropene	10061-02-6	106

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	96
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	103

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510312-13B	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	90
1,1,2-Trichloroethane	79-00-5	107
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	85
1,2-Dibromoethane (EDB)	106-93-4	110
1,2-Dichloroethane	107-06-2	99
1,4-Dichlorobenzene	106-46-7	87
Benzene	71-43-2	96
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	105
Chloroform	67-66-3	93
Chloromethane	74-87-3	82
cis-1,2-Dichloroethene	156-59-2	97
Ethyl Benzene	100-41-4	107
Freon 114	76-14-2	97
Freon 12	75-71-8	101
m,p-Xylene	108-38-3	108
Methyl tert-butyl ether	1634-04-4	89
o-Xylene	95-47-6	107
Tetrachloroethene	127-18-4	94
Toluene	108-88-3	103
trans-1,2-Dichloroethene	156-60-5	79
Trichloroethene	79-01-6	102

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510312-13B	**Date/Time Analyzed:**	10/21/15 10:32 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102104sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	90

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510312-13BB	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107sim

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	98
1,1,2,2-Tetrachloroethane	79-34-5	88
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	94
1,1-Dichloroethene	75-35-4	86
1,2-Dibromoethane (EDB)	106-93-4	110
1,2-Dichloroethane	107-06-2	97
1,4-Dichlorobenzene	106-46-7	83
Benzene	71-43-2	94
Carbon Tetrachloride	56-23-5	134 Q
Chloroethane	75-00-3	106
Chloroform	67-66-3	93
Chloromethane	74-87-3	82
cis-1,2-Dichloroethene	156-59-2	98
Ethyl Benzene	100-41-4	105
Freon 114	76-14-2	98
Freon 12	75-71-8	100
m,p-Xylene	108-38-3	106
Methyl tert-butyl ether	1634-04-4	91
o-Xylene	95-47-6	105
Tetrachloroethene	127-18-4	93
Toluene	108-88-3	102
trans-1,2-Dichloroethene	156-60-5	79
Trichloroethene	79-01-6	102

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510312-13BB	**Date/Time Analyzed:**	10/21/15 01:23 PM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102107sim

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	90

Q = Exceeds Quality Control limits.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	103

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510312-13C	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	99
1,2-Dichlorobenzene	95-50-1	92
1,2-Dichloropropane	78-87-5	106
1,3,5-Trimethylbenzene	108-67-8	104
1,3-Butadiene	106-99-0	94
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	100
2,2,4-Trimethylpentane	540-84-1	90
2-Butanone (Methyl Ethyl Ketone)	78-93-3	94
2-Hexanone	591-78-6	97
2-Propanol	67-63-0	96
3-Chloropropene	107-05-1	91
4-Ethyltoluene	622-96-8	93
4-Methyl-2-pentanone	108-10-1	104
Acetone	67-64-1	91
alpha-Chlorotoluene	100-44-7	101
Bromodichloromethane	75-27-4	112
Bromoform	75-25-2	111
Bromomethane	74-83-9	120
Carbon Disulfide	75-15-0	87
Chlorobenzene	108-90-7	98
cis-1,3-Dichloropropene	10061-01-5	93
Cumene	98-82-8	100

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510312-13C	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	92
Dibromochloromethane	124-48-1	111
Ethanol	64-17-5	96
Freon 11	75-69-4	101
Freon 113	76-13-1	90
Heptane	142-82-5	103
Hexachlorobutadiene	87-68-3	88
Hexane	110-54-3	91
Methylene Chloride	75-09-2	92
Propylbenzene	103-65-1	96
Styrene	100-42-5	100
Tetrahydrofuran	109-99-9	90
trans-1,3-Dichloropropene	10061-02-6	102

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	96
Toluene-d8	2037-26-5	89-108	104

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510312-13CC	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	97
1,2-Dichlorobenzene	95-50-1	93
1,2-Dichloropropane	78-87-5	106
1,3,5-Trimethylbenzene	108-67-8	103
1,3-Butadiene	106-99-0	92
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	100
2,2,4-Trimethylpentane	540-84-1	90
2-Butanone (Methyl Ethyl Ketone)	78-93-3	92
2-Hexanone	591-78-6	98
2-Propanol	67-63-0	85
3-Chloropropene	107-05-1	92
4-Ethyltoluene	622-96-8	93
4-Methyl-2-pentanone	108-10-1	103
Acetone	67-64-1	88
alpha-Chlorotoluene	100-44-7	100
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	113
Bromomethane	74-83-9	117
Carbon Disulfide	75-15-0	86
Chlorobenzene	108-90-7	99
cis-1,3-Dichloropropene	10061-01-5	91
Cumene	98-82-8	99

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510312-13CC	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	91
Dibromochloromethane	124-48-1	111
Ethanol	64-17-5	96
Freon 11	75-69-4	99
Freon 113	76-13-1	89
Heptane	142-82-5	101
Hexachlorobutadiene	87-68-3	88
Hexane	110-54-3	90
Methylene Chloride	75-09-2	91
Propylbenzene	103-65-1	96
Styrene	100-42-5	99
Tetrahydrofuran	109-99-9	90
trans-1,3-Dichloropropene	10061-02-6	103

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	96
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	103

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510312-13D	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	96
1,1,2,2-Tetrachloroethane	79-34-5	86
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	92
1,1-Dichloroethene	75-35-4	83
1,2-Dibromoethane (EDB)	106-93-4	108
1,2-Dichloroethane	107-06-2	98
1,4-Dichlorobenzene	106-46-7	82
Benzene	71-43-2	96
Carbon Tetrachloride	56-23-5	131
Chloroethane	75-00-3	104
Chloroform	67-66-3	92
Chloromethane	74-87-3	80
cis-1,2-Dichloroethene	156-59-2	95
Ethyl Benzene	100-41-4	102
Freon 114	76-14-2	97
Freon 12	75-71-8	100
m,p-Xylene	108-38-3	102
Methyl tert-butyl ether	1634-04-4	86
o-Xylene	95-47-6	101
Tetrachloroethene	127-18-4	92
Toluene	108-88-3	101
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	102

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510312-13D	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	89

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	99
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

Client ID:	LCSD		
Lab ID:	1510312-13DD	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	95
1,1,2,2-Tetrachloroethane	79-34-5	85
1,1,2-Trichloroethane	79-00-5	104
1,1-Dichloroethane	75-34-3	91
1,1-Dichloroethene	75-35-4	83
1,2-Dibromoethane (EDB)	106-93-4	108
1,2-Dichloroethane	107-06-2	97
1,4-Dichlorobenzene	106-46-7	81
Benzene	71-43-2	93
Carbon Tetrachloride	56-23-5	130
Chloroethane	75-00-3	103
Chloroform	67-66-3	91
Chloromethane	74-87-3	79
cis-1,2-Dichloroethene	156-59-2	94
Ethyl Benzene	100-41-4	101
Freon 114	76-14-2	95
Freon 12	75-71-8	99
m,p-Xylene	108-38-3	101
Methyl tert-butyl ether	1634-04-4	86
o-Xylene	95-47-6	100
Tetrachloroethene	127-18-4	91
Toluene	108-88-3	99
trans-1,2-Dichloroethene	156-60-5	77
Trichloroethene	79-01-6	101

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	LCSD		
Lab ID:	1510312-13DD	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	87

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

10/23/2015
Mr. Mike Dryden
Earth Toxics, Inc.
206 Quail Way

Logan UT 84321

Project Name:
Project #:
Workorder #: 1510313

Dear Mr. Mike Dryden

The following report includes the data for the above referenced project for sample(s) received on 10/16/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1510313

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	ELCIASMBL3100	Modified TO-15	6.0 "Hg	5 psi
01B	ELCIASMBL3100	Modified TO-15	6.0 "Hg	5 psi
02A	ELCIASMBL4MR	Modified TO-15	3.0 "Hg	7psi
02B	ELCIASMBL4MR	Modified TO-15	3.0 "Hg	7psi
03A	AV34IASMB	Modified TO-15	3.0 "Hg	5 psi
03B	AV34IASMB	Modified TO-15	3.0 "Hg	5 psi
04A	AV34IASMCS	Modified TO-15	5.0 "Hg	5 psi
04B	AV34IASMCS	Modified TO-15	5.0 "Hg	5 psi
05A	AV29IASMHWY1SD	Modified TO-15	4.0 "Hg	5 psi
05B	AV29IASMHWY1SD	Modified TO-15	4.0 "Hg	5 psi
06A	AV29IASMHWY1N	Modified TO-15	4.0 "Hg	5 psi
06B	AV29IASMHWY1N	Modified TO-15	4.0 "Hg	5 psi
07A	AV29IASMHWY1S	Modified TO-15	8.0 "Hg	5 psi
07B	AV29IASMHWY1S	Modified TO-15	8.0 "Hg	5 psi
08A	Lab Blank	Modified TO-15	NA	NA
08B	Lab Blank	Modified TO-15	NA	NA
09A	CCV	Modified TO-15	NA	NA
09B	CCV	Modified TO-15	NA	NA
10A	LCS	Modified TO-15	NA	NA
10AA	LCSD	Modified TO-15	NA	NA
10B	LCS	Modified TO-15	NA	NA
10BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 10/23/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
DoD QSM 5.0 TO-15 LL/SIM
Earth Toxics, Inc.
Workorder# 1510313

Seven 6 Liter Summa Canister (SIM Certified) samples were received on October 16, 2015. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications and DoD QSM 5.0 modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the modifications.

Requirement	***TO-15 LL/SIM DoD QS***	***ATL Modifications***
Blank and standards	Zero air	UHP Nitrogren provides a higher purity gas matrix than zero air
Daily Calibration	+- 30% Difference	For Std. Full Scan: </= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
DoD QSM 5.0 Module 4 (1.7.1.1.j, 1.5.2.1.b, 1.5.2.2.c) Surrogates	Quantification of surrogates requires a multi-point calibration and determination of DL and LOQ.	Quantification achieved using a multipoint calibration at a single concentration, analogous to internal standards. DLs and LOQs are not established.
DoD QSM 5.0 Section 2.2.1 PT Requirement	Two PT samples per year for each analyte-matrix-method combination are required.	Not all analyte-matrix-method combinations on the scope of accreditation are available from the current PT providers.
DoD QSM 5.0 Section 1.7.4.1 Lab Blank	No analytes detected at >1/2 LOQ	No analytes detected at >/=LOQ.
Initial Calibration	</=30%RSD with 2 compounds out up to 40%RSD	(Full Scan): </=30%RSD with 4 compounds out up to 40%RSD SIM: Default criterion is </=30%RSD with 10% VOCs out up to 40%RSD.

Receiving Notes

The Chain of Custody (COC) information for samples ELCIASMBL4MR, AV29IASMHWY1SD and AV29IASMHWY1N did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Chloromethane, cis-1,2-Dichloroethene and Carbon Tetrachloride were manually integrated in the initial calibration.

The per analytical batch duplicate analysis required for this project is associated with work order 1510312.

1,1,1-Trichloroethane was manually integrated in sample AV29IASMHWY1SD.

o-Xylene was manually integrated in samples ELCIASMBL3100 and AV29IASMHWY1N.

1,2-Dichloroethane was manually integrated in samples ELCIASMBL3100, ELCIASMBL4MR, AV34IASMB, AV34IASMCS, AV29IASMHWY1SD and AV29IASMHWY1N.

1,2-Dichloroethane was manually integrated in the Lab Blank analyzed on 10/22/15.

Carbon Tetrachloride exceeded ICV project acceptance criterion of </=30% Recovery (%R) in the intial calibration.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

CN - See case narrative explanation

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Client ID:	ELCIASMBL3100		
Lab ID:	1510313-01A	**Date/Time Analyzed:**	10/22/15 03:28 PM
Date/Time Collected:	10/14/15 11:50 AM	**Dilution Factor:**	1.68
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102210

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.56	1.2	6.2	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.058	0.33	0.82	0.20 J
1,2-Dichlorobenzene	95-50-1	0.24	0.40	1.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.096	0.31	0.78	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.33	0.82	Not Detected U
1,3-Butadiene	106-99-0	0.080	0.15	0.37	0.14 J
1,3-Dichlorobenzene	541-73-1	0.19	0.40	1.0	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.24	0.60	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.78	3.9	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.25	0.50	2.5	1.5 J
2-Hexanone	591-78-6	0.38	0.69	3.4	Not Detected U
2-Propanol	67-63-0	0.65	0.65	2.1	2.7
3-Chloropropene	107-05-1	0.36	0.52	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.15	0.33	0.82	0.15 J
4-Methyl-2-pentanone	108-10-1	0.13	0.28	0.69	0.15 J
Acetone	67-64-1	0.18	0.40	2.0	16
alpha-Chlorotoluene	100-44-7	0.12	0.35	0.87	Not Detected U
Bromodichloromethane	75-27-4	0.20	0.45	1.1	Not Detected U
Bromoform	75-25-2	0.19	0.69	1.7	Not Detected U
Bromomethane	74-83-9	0.50	0.65	3.3	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.52	2.6	Not Detected U
Chlorobenzene	108-90-7	0.070	0.31	0.77	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.76	Not Detected U
Cumene	98-82-8	0.10	0.33	0.82	Not Detected U

Client ID:	ELCIASMBL3100		
Lab ID:	1510313-01A	**Date/Time Analyzed:**	10/22/15 03:28 PM
Date/Time Collected:	10/14/15 11:50 AM	**Dilution Factor:**	1.68
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102210

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.23	0.58	Not Detected U
Dibromochloromethane	124-48-1	0.19	0.57	1.4	Not Detected U
Ethanol	64-17-5	0.24	0.32	1.6	21
Freon 11	75-69-4	0.15	0.38	0.94	1.3
Freon 113	76-13-1	0.16	0.52	1.3	0.51 J
Heptane	142-82-5	0.066	0.28	0.69	0.16 J
Hexachlorobutadiene	87-68-3	0.78	1.8	9.0	Not Detected U
Hexane	110-54-3	0.089	0.24	0.59	0.096 J
Methylene Chloride	75-09-2	0.12	0.23	1.2	0.45 J
Propylbenzene	103-65-1	0.12	0.33	0.82	Not Detected U
Styrene	100-42-5	0.079	0.29	0.72	0.28 J
Tetrahydrofuran	109-99-9	0.73	0.73	2.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.070	0.30	0.76	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	107
4-Bromofluorobenzene	460-00-4	79-114	96
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL3100		
Lab ID:	1510313-01B	**Date/Time Analyzed:**	10/22/15 03:28 PM
Date/Time Collected:	10/14/15 11:50 AM	**Dilution Factor:**	1.68
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102210sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0043	0.037	0.18	0.014 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0088	0.046	0.23	0.013 J
1,1,2-Trichloroethane	79-00-5	0.0084	0.037	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0025	0.027	0.14	Not Detected U
1,1-Dichloroethene	75-35-4	0.0060	0.027	0.067	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.052	0.26	Not Detected U
1,2-Dichloroethane	107-06-2	0.0039	0.027	0.14	0.027 J
1,4-Dichlorobenzene	106-46-7	0.022	0.040	0.20	0.027 J
Benzene	71-43-2	0.035	0.035	0.27	0.33
Carbon Tetrachloride	56-23-5	0.0058	0.042	0.21	0.60
Chloroethane	75-00-3	0.023	0.18	0.22	0.033 J
Chloroform	67-66-3	0.0034	0.033	0.16	0.11 J
Chloromethane	74-87-3	0.013	0.14	0.17	1.5
cis-1,2-Dichloroethene	156-59-2	0.0050	0.027	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.029	0.14	0.15
Freon 114	76-14-2	0.011	0.047	0.23	0.12 J
Freon 12	75-71-8	0.0049	0.033	0.17	2.6
m,p-Xylene	108-38-3	0.0088	0.029	0.29	0.27 J
Methyl tert-butyl ether	1634-04-4	0.0068	0.024	0.60	0.0089 J
o-Xylene	95-47-6	0.0071	0.029	0.14	0.10 J
Tetrachloroethene	127-18-4	0.0060	0.046	0.23	0.087 J
Toluene	108-88-3	0.013	0.025	0.13	0.94
trans-1,2-Dichloroethene	156-60-5	0.0058	0.027	0.67	Not Detected U
Trichloroethene	79-01-6	0.015	0.036	0.18	0.017 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	ELCIASMBL3100		
Lab ID:	1510313-01B	**Date/Time Analyzed:**	10/22/15 03:28 PM
Date/Time Collected:	10/14/15 11:50 AM	**Dilution Factor:**	1.68
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102210sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0047	0.017	0.043	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	97
Toluene-d8	2037-26-5	92-110	98

Client ID:	ELCIASMBL4MR		
Lab ID:	1510313-02A	**Date/Time Analyzed:**	10/22/15 04:09 PM
Date/Time Collected:	10/14/15 02:45 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102211

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.54	1.2	6.1	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.057	0.32	0.81	0.20 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.99	Not Detected U
1,2-Dichloropropane	78-87-5	0.094	0.30	0.76	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.81	Not Detected U
1,3-Butadiene	106-99-0	0.078	0.14	0.36	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.99	Not Detected U
1,4-Dioxane	123-91-1	0.22	0.24	0.59	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.77	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.48	2.4	0.96 J
2-Hexanone	591-78-6	0.37	0.67	3.4	Not Detected U
2-Propanol	67-63-0	0.64	0.64	2.0	2.4
3-Chloropropene	107-05-1	0.35	0.51	2.6	Not Detected U
4-Ethyltoluene	622-96-8	0.15	0.32	0.81	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.13	0.27	0.67	Not Detected U
Acetone	67-64-1	0.18	0.39	1.9	11
alpha-Chlorotoluene	100-44-7	0.12	0.34	0.85	Not Detected U
Bromodichloromethane	75-27-4	0.20	0.44	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.68	1.7	Not Detected U
Bromomethane	74-83-9	0.49	0.64	3.2	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.51	2.6	Not Detected U
Chlorobenzene	108-90-7	0.068	0.30	0.76	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.30	0.74	Not Detected U
Cumene	98-82-8	0.099	0.32	0.81	Not Detected U

Client ID:	ELCIASMBL4MR		
Lab ID:	1510313-02A	**Date/Time Analyzed:**	10/22/15 04:09 PM
Date/Time Collected:	10/14/15 02:45 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102211

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.12	0.22	0.56	Not Detected U
Dibromochloromethane	124-48-1	0.18	0.56	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.31	1.5	46
Freon 11	75-69-4	0.14	0.37	0.92	1.4
Freon 113	76-13-1	0.16	0.50	1.2	0.61 J
Heptane	142-82-5	0.064	0.27	0.67	0.086 J
Hexachlorobutadiene	87-68-3	0.76	1.7	8.7	Not Detected U
Hexane	110-54-3	0.087	0.23	0.58	0.11 J
Methylene Chloride	75-09-2	0.12	0.23	1.1	0.62 J
Propylbenzene	103-65-1	0.12	0.32	0.81	Not Detected U
Styrene	100-42-5	0.077	0.28	0.70	Not Detected U
Tetrahydrofuran	109-99-9	0.71	0.71	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.069	0.30	0.74	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	112
4-Bromofluorobenzene	460-00-4	79-114	91
Toluene-d8	2037-26-5	89-108	99

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	ELCIASMBL4MR		
Lab ID:	1510313-02B	**Date/Time Analyzed:**	10/22/15 04:09 PM
Date/Time Collected:	10/14/15 02:45 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102211sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0042	0.036	0.18	0.016 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0086	0.045	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0082	0.036	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0058	0.026	0.065	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.050	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.024 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.20	0.031 J
Benzene	71-43-2	0.034	0.034	0.26	0.30
Carbon Tetrachloride	56-23-5	0.0057	0.041	0.21	0.51
Chloroethane	75-00-3	0.023	0.17	0.22	0.032 J
Chloroform	67-66-3	0.0034	0.032	0.16	0.075 J
Chloromethane	74-87-3	0.013	0.14	0.17	1.5
cis-1,2-Dichloroethene	156-59-2	0.0049	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.024	0.028	0.14	0.11 J
Freon 114	76-14-2	0.011	0.046	0.23	0.13 J
Freon 12	75-71-8	0.0048	0.032	0.16	2.6
m,p-Xylene	108-38-3	0.0085	0.028	0.28	0.26 J
Methyl tert-butyl ether	1634-04-4	0.0066	0.024	0.59	Not Detected U
o-Xylene	95-47-6	0.0070	0.028	0.14	0.14 J
Tetrachloroethene	127-18-4	0.0059	0.044	0.22	0.076 J
Toluene	108-88-3	0.013	0.025	0.12	0.61
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.65	Not Detected U
Trichloroethene	79-01-6	0.014	0.035	0.18	0.020 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	ELCIASMBL4MR		
Lab ID:	1510313-02B	**Date/Time Analyzed:**	10/22/15 04:09 PM
Date/Time Collected:	10/14/15 02:45 PM	**Dilution Factor:**	1.64
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102211sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0046	0.017	0.042	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	112
4-Bromofluorobenzene	460-00-4	80-117	93
Toluene-d8	2037-26-5	92-110	98

Client ID:	AV34IASMB		
Lab ID:	1510313-03A	**Date/Time Analyzed:**	10/22/15 04:50 PM
Date/Time Collected:	10/14/15 03:08 PM	**Dilution Factor:**	1.49
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102212

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.49	1.1	5.5	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.052	0.29	0.73	0.18 J
1,2-Dichlorobenzene	95-50-1	0.21	0.36	0.90	Not Detected U
1,2-Dichloropropane	78-87-5	0.085	0.28	0.69	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.14	0.29	0.73	Not Detected U
1,3-Butadiene	106-99-0	0.071	0.13	0.33	0.072 J
1,3-Dichlorobenzene	541-73-1	0.17	0.36	0.90	Not Detected U
1,4-Dioxane	123-91-1	0.20	0.21	0.54	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.18	0.70	3.5	0.27 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.22	0.44	2.2	1.2 J
2-Hexanone	591-78-6	0.34	0.61	3.0	Not Detected U
2-Propanol	67-63-0	0.58	0.58	1.8	2.4
3-Chloropropene	107-05-1	0.32	0.47	2.3	Not Detected U
4-Ethyltoluene	622-96-8	0.13	0.29	0.73	0.18 J
4-Methyl-2-pentanone	108-10-1	0.12	0.24	0.61	0.21 J
Acetone	67-64-1	0.16	0.35	1.8	24
alpha-Chlorotoluene	100-44-7	0.11	0.31	0.77	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.40	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.62	1.5	Not Detected U
Bromomethane	74-83-9	0.44	0.58	2.9	Not Detected U
Carbon Disulfide	75-15-0	0.17	0.46	2.3	Not Detected U
Chlorobenzene	108-90-7	0.062	0.27	0.68	0.34 J
cis-1,3-Dichloropropene	10061-01-5	0.12	0.27	0.68	Not Detected U
Cumene	98-82-8	0.090	0.29	0.73	Not Detected U

Client ID:	AV34IASMB		
Lab ID:	1510313-03A	**Date/Time Analyzed:**	10/22/15 04:50 PM
Date/Time Collected:	10/14/15 03:08 PM	**Dilution Factor:**	1.49
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102212

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.20	0.51	1.4
Dibromochloromethane	124-48-1	0.17	0.51	1.3	Not Detected U
Ethanol	64-17-5	0.21	0.28	1.4	6.3
Freon 11	75-69-4	0.13	0.33	0.84	1.3
Freon 113	76-13-1	0.14	0.46	1.1	0.61 J
Heptane	142-82-5	0.059	0.24	0.61	0.26 J
Hexachlorobutadiene	87-68-3	0.69	1.6	7.9	Not Detected U
Hexane	110-54-3	0.079	0.21	0.52	0.19 J
Methylene Chloride	75-09-2	0.10	0.21	1.0	1.7
Propylbenzene	103-65-1	0.11	0.29	0.73	Not Detected U
Styrene	100-42-5	0.070	0.25	0.63	0.18 J
Tetrahydrofuran	109-99-9	0.65	0.65	2.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.062	0.27	0.68	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	108
4-Bromofluorobenzene	460-00-4	79-114	93
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMB		
Lab ID:	1510313-03B	**Date/Time Analyzed:**	10/22/15 04:50 PM
Date/Time Collected:	10/14/15 03:08 PM	**Dilution Factor:**	1.49
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102212sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0038	0.032	0.16	0.018 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0078	0.041	0.20	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0075	0.032	0.16	Not Detected U
1,1-Dichloroethane	75-34-3	0.0022	0.024	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0053	0.024	0.059	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.046	0.23	Not Detected U
1,2-Dichloroethane	107-06-2	0.0035	0.024	0.12	0.057 J
1,4-Dichlorobenzene	106-46-7	0.020	0.036	0.18	0.025 J
Benzene	71-43-2	0.031	0.031	0.24	0.47
Carbon Tetrachloride	56-23-5	0.0052	0.038	0.19	0.60
Chloroethane	75-00-3	0.021	0.16	0.20	0.034 J
Chloroform	67-66-3	0.0030	0.029	0.14	0.12 J
Chloromethane	74-87-3	0.012	0.12	0.15	1.6
cis-1,2-Dichloroethene	156-59-2	0.0044	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.026	0.13	0.18
Freon 114	76-14-2	0.0098	0.042	0.21	0.12 J
Freon 12	75-71-8	0.0043	0.029	0.15	2.6
m,p-Xylene	108-38-3	0.0078	0.026	0.26	0.49
Methyl tert-butyl ether	1634-04-4	0.0060	0.021	0.54	Not Detected U
o-Xylene	95-47-6	0.0063	0.026	0.13	0.20
Tetrachloroethene	127-18-4	0.0054	0.040	0.20	0.054 J
Toluene	108-88-3	0.012	0.022	0.11	2.0
trans-1,2-Dichloroethene	156-60-5	0.0051	0.024	0.59	0.026 J
Trichloroethene	79-01-6	0.013	0.032	0.16	0.077 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMB		
Lab ID:	1510313-03B	**Date/Time Analyzed:**	10/22/15 04:50 PM
Date/Time Collected:	10/14/15 03:08 PM	**Dilution Factor:**	1.49
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102212sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0042	0.015	0.038	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	95
Toluene-d8	2037-26-5	92-110	98

Client ID:	AV34IASMCS		
Lab ID:	1510313-04A	**Date/Time Analyzed:**	10/22/15 06:23 PM
Date/Time Collected:	10/14/15 03:15 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102213

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.53	1.2	6.0	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.056	0.32	0.79	0.19 J
1,2-Dichlorobenzene	95-50-1	0.23	0.39	0.97	Not Detected U
1,2-Dichloropropane	78-87-5	0.092	0.30	0.74	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.16	0.32	0.79	Not Detected U
1,3-Butadiene	106-99-0	0.077	0.14	0.36	0.082 J
1,3-Dichlorobenzene	541-73-1	0.19	0.39	0.97	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.23	0.58	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.20	0.75	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.24	0.47	2.4	1.4 J
2-Hexanone	591-78-6	0.36	0.66	3.3	Not Detected U
2-Propanol	67-63-0	0.62	0.62	2.0	4.4
3-Chloropropene	107-05-1	0.34	0.50	2.5	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.32	0.79	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.26	0.66	0.28 J
Acetone	67-64-1	0.18	0.38	1.9	52
alpha-Chlorotoluene	100-44-7	0.12	0.33	0.83	Not Detected U
Bromodichloromethane	75-27-4	0.19	0.43	1.1	Not Detected U
Bromoform	75-25-2	0.18	0.66	1.7	Not Detected U
Bromomethane	74-83-9	0.48	0.62	3.1	Not Detected U
Carbon Disulfide	75-15-0	0.19	0.50	2.5	Not Detected U
Chlorobenzene	108-90-7	0.067	0.30	0.74	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.13	0.29	0.73	Not Detected U
Cumene	98-82-8	0.097	0.32	0.79	Not Detected U

Client ID:	AV34IASMCS		
Lab ID:	1510313-04A	**Date/Time Analyzed:**	10/22/15 06:23 PM
Date/Time Collected:	10/14/15 03:15 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102213

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.22	0.55	0.14 J
Dibromochloromethane	124-48-1	0.18	0.55	1.4	Not Detected U
Ethanol	64-17-5	0.23	0.30	1.5	26
Freon 11	75-69-4	0.14	0.36	0.90	1.7
Freon 113	76-13-1	0.16	0.49	1.2	0.61 J
Heptane	142-82-5	0.063	0.26	0.66	0.27 J
Hexachlorobutadiene	87-68-3	0.75	1.7	8.6	Not Detected U
Hexane	110-54-3	0.086	0.23	0.57	0.13 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.96 J
Propylbenzene	103-65-1	0.12	0.32	0.79	Not Detected U
Styrene	100-42-5	0.076	0.27	0.68	1.3
Tetrahydrofuran	109-99-9	0.70	0.70	2.4	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.067	0.29	0.73	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	116
4-Bromofluorobenzene	460-00-4	79-114	95
Toluene-d8	2037-26-5	89-108	101

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV34IASMCS		
Lab ID:	1510313-04B	**Date/Time Analyzed:**	10/22/15 06:23 PM
Date/Time Collected:	10/14/15 03:15 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102213sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0041	0.035	0.18	0.019 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0084	0.044	0.22	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0081	0.035	0.18	Not Detected U
1,1-Dichloroethane	75-34-3	0.0024	0.026	0.13	Not Detected U
1,1-Dichloroethene	75-35-4	0.0057	0.026	0.064	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.012	0.049	0.25	Not Detected U
1,2-Dichloroethane	107-06-2	0.0038	0.026	0.13	0.035 J
1,4-Dichlorobenzene	106-46-7	0.022	0.039	0.19	0.054 J
Benzene	71-43-2	0.033	0.033	0.26	0.36
Carbon Tetrachloride	56-23-5	0.0056	0.040	0.20	0.56
Chloroethane	75-00-3	0.022	0.17	0.21	0.072 J
Chloroform	67-66-3	0.0033	0.031	0.16	0.14 J
Chloromethane	74-87-3	0.012	0.13	0.17	1.3
cis-1,2-Dichloroethene	156-59-2	0.0048	0.026	0.13	Not Detected U
Ethyl Benzene	100-41-4	0.023	0.028	0.14	0.10 J
Freon 114	76-14-2	0.010	0.045	0.22	0.14 J
Freon 12	75-71-8	0.0047	0.032	0.16	3.0
m,p-Xylene	108-38-3	0.0084	0.028	0.28	0.24 J
Methyl tert-butyl ether	1634-04-4	0.0065	0.023	0.58	Not Detected U
o-Xylene	95-47-6	0.0068	0.028	0.14	0.11 J
Tetrachloroethene	127-18-4	0.0058	0.044	0.22	0.032 J
Toluene	108-88-3	0.013	0.024	0.12	1.6
trans-1,2-Dichloroethene	156-60-5	0.0056	0.026	0.64	0.030 J
Trichloroethene	79-01-6	0.014	0.035	0.17	0.16 J

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV34IASMCS		
Lab ID:	1510313-04B	**Date/Time Analyzed:**	10/22/15 06:23 PM
Date/Time Collected:	10/14/15 03:15 PM	**Dilution Factor:**	1.61
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102213sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0045	0.016	0.041	0.013 J

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	120
4-Bromofluorobenzene	460-00-4	80-117	100
Toluene-d8	2037-26-5	92-110	98

Client ID:	AV29IASMHWY1SD		
Lab ID:	1510313-05A	**Date/Time Analyzed:**	10/22/15 07:02 PM
Date/Time Collected:	10/14/15 02:18 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102214

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.51	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.30	0.76	0.18 J
1,2-Dichlorobenzene	95-50-1	0.22	0.37	0.93	Not Detected U
1,2-Dichloropropane	78-87-5	0.089	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.30	0.76	Not Detected U
1,3-Butadiene	106-99-0	0.074	0.14	0.34	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.18	0.37	0.93	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.22	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.72	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	1.4 J
2-Hexanone	591-78-6	0.35	0.63	3.2	Not Detected U
2-Propanol	67-63-0	0.60	0.60	1.9	1.1 J
3-Chloropropene	107-05-1	0.33	0.48	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.30	0.76	0.16 J
4-Methyl-2-pentanone	108-10-1	0.12	0.25	0.63	Not Detected U
Acetone	67-64-1	0.17	0.37	1.8	27
alpha-Chlorotoluene	100-44-7	0.11	0.32	0.80	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.64	1.6	Not Detected U
Bromomethane	74-83-9	0.46	0.60	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.48	2.4	0.84 J
Chlorobenzene	108-90-7	0.064	0.28	0.71	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.70	Not Detected U
Cumene	98-82-8	0.093	0.30	0.76	Not Detected U

Client ID:	AV29IASMHWY1SD		
Lab ID:	1510313-05A	**Date/Time Analyzed:**	10/22/15 07:02 PM
Date/Time Collected:	10/14/15 02:18 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102214

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.53	Not Detected U
Dibromochloromethane	124-48-1	0.17	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.5	4.6
Freon 11	75-69-4	0.14	0.35	0.87	1.4
Freon 113	76-13-1	0.15	0.48	1.2	0.63 J
Heptane	142-82-5	0.061	0.25	0.64	0.095 J
Hexachlorobutadiene	87-68-3	0.72	1.6	8.3	Not Detected U
Hexane	110-54-3	0.082	0.22	0.55	0.11 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	0.62 J
Propylbenzene	103-65-1	0.12	0.30	0.76	Not Detected U
Styrene	100-42-5	0.073	0.26	0.66	0.10 J
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.065	0.28	0.70	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	112
4-Bromofluorobenzene	460-00-4	79-114	87
Toluene-d8	2037-26-5	89-108	98

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV29IASMHWY1SD		
Lab ID:	1510313-05B	**Date/Time Analyzed:**	10/22/15 07:02 PM
Date/Time Collected:	10/14/15 02:18 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102214sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	0.019 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0081	0.042	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0078	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0055	0.024	0.061	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.048	0.24	Not Detected U
1,2-Dichloroethane	107-06-2	0.0036	0.025	0.12	0.032 J
1,4-Dichlorobenzene	106-46-7	0.021	0.037	0.19	Not Detected U
Benzene	71-43-2	0.032	0.032	0.25	0.36
Carbon Tetrachloride	56-23-5	0.0054	0.039	0.20	0.57
Chloroethane	75-00-3	0.021	0.16	0.20	0.029 J
Chloroform	67-66-3	0.0032	0.030	0.15	0.086 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.5
cis-1,2-Dichloroethene	156-59-2	0.0046	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.027	0.13	0.12 J
Freon 114	76-14-2	0.010	0.043	0.22	0.12 J
Freon 12	75-71-8	0.0045	0.031	0.15	2.7
m,p-Xylene	108-38-3	0.0081	0.027	0.27	0.32
Methyl tert-butyl ether	1634-04-4	0.0062	0.022	0.56	Not Detected U
o-Xylene	95-47-6	0.0066	0.027	0.13	0.12 J
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	Not Detected U
Toluene	108-88-3	0.012	0.023	0.12	1.1
trans-1,2-Dichloroethene	156-60-5	0.0053	0.024	0.61	0.026 J
Trichloroethene	79-01-6	0.014	0.033	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV29IASMHWY1SD		
Lab ID:	1510313-05B	**Date/Time Analyzed:**	10/22/15 07:02 PM
Date/Time Collected:	10/14/15 02:18 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102214sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	115
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	98

Client ID:	AV29IASMHWY1N		
Lab ID:	1510313-06A	**Date/Time Analyzed:**	10/22/15 08:02 PM
Date/Time Collected:	10/14/15 03:23 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102215

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.51	1.2	5.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.054	0.30	0.76	0.18 J
1,2-Dichlorobenzene	95-50-1	0.22	0.37	0.93	Not Detected U
1,2-Dichloropropane	78-87-5	0.089	0.29	0.72	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.15	0.30	0.76	Not Detected U
1,3-Butadiene	106-99-0	0.074	0.14	0.34	0.095 J
1,3-Dichlorobenzene	541-73-1	0.18	0.37	0.93	Not Detected U
1,4-Dioxane	123-91-1	0.21	0.22	0.56	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.19	0.72	3.6	0.25 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.23	0.46	2.3	2.1 J
2-Hexanone	591-78-6	0.35	0.63	3.2	Not Detected U
2-Propanol	67-63-0	0.60	0.60	1.9	1.5 J
3-Chloropropene	107-05-1	0.33	0.48	2.4	Not Detected U
4-Ethyltoluene	622-96-8	0.14	0.30	0.76	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.12	0.25	0.63	Not Detected U
Acetone	67-64-1	0.17	0.37	1.8	16
alpha-Chlorotoluene	100-44-7	0.11	0.32	0.80	Not Detected U
Bromodichloromethane	75-27-4	0.18	0.42	1.0	Not Detected U
Bromoform	75-25-2	0.17	0.64	1.6	Not Detected U
Bromomethane	74-83-9	0.46	0.60	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.18	0.48	2.4	0.45 J
Chlorobenzene	108-90-7	0.064	0.28	0.71	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.12	0.28	0.70	Not Detected U
Cumene	98-82-8	0.093	0.30	0.76	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV29IASMHWY1N		
Lab ID:	1510313-06A	**Date/Time Analyzed:**	10/22/15 08:02 PM
Date/Time Collected:	10/14/15 03:23 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102215

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.11	0.21	0.53	Not Detected U
Dibromochloromethane	124-48-1	0.17	0.53	1.3	Not Detected U
Ethanol	64-17-5	0.22	0.29	1.5	9.2
Freon 11	75-69-4	0.14	0.35	0.87	1.5
Freon 113	76-13-1	0.15	0.48	1.2	0.53 J
Heptane	142-82-5	0.061	0.25	0.64	0.38 J
Hexachlorobutadiene	87-68-3	0.72	1.6	8.3	Not Detected U
Hexane	110-54-3	0.082	0.22	0.55	0.21 J
Methylene Chloride	75-09-2	0.11	0.22	1.1	3.9
Propylbenzene	103-65-1	0.12	0.30	0.76	Not Detected U
Styrene	100-42-5	0.073	0.26	0.66	0.11 J
Tetrahydrofuran	109-99-9	0.68	0.68	2.3	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.065	0.28	0.70	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	109
4-Bromofluorobenzene	460-00-4	79-114	90
Toluene-d8	2037-26-5	89-108	97

Client ID:	AV29IASMHWY1N		
Lab ID:	1510313-06B	**Date/Time Analyzed:**	10/22/15 08:02 PM
Date/Time Collected:	10/14/15 03:23 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102215sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0040	0.034	0.17	0.020 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0081	0.042	0.21	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0078	0.034	0.17	Not Detected U
1,1-Dichloroethane	75-34-3	0.0023	0.025	0.12	Not Detected U
1,1-Dichloroethene	75-35-4	0.0055	0.024	0.061	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.048	0.24	Not Detected U
1,2-Dichloroethane	107-06-2	0.0036	0.025	0.12	0.033 J
1,4-Dichlorobenzene	106-46-7	0.021	0.037	0.19	Not Detected U
Benzene	71-43-2	0.032	0.032	0.25	0.37
Carbon Tetrachloride	56-23-5	0.0054	0.039	0.20	0.65
Chloroethane	75-00-3	0.021	0.16	0.20	0.030 J
Chloroform	67-66-3	0.0032	0.030	0.15	0.095 J
Chloromethane	74-87-3	0.012	0.13	0.16	1.7
cis-1,2-Dichloroethene	156-59-2	0.0046	0.024	0.12	Not Detected U
Ethyl Benzene	100-41-4	0.022	0.027	0.13	0.12 J
Freon 114	76-14-2	0.010	0.043	0.22	0.12 J
Freon 12	75-71-8	0.0045	0.031	0.15	2.8
m,p-Xylene	108-38-3	0.0081	0.027	0.27	0.32
Methyl tert-butyl ether	1634-04-4	0.0062	0.022	0.56	Not Detected U
o-Xylene	95-47-6	0.0066	0.027	0.13	0.12 J
Tetrachloroethene	127-18-4	0.0056	0.042	0.21	Not Detected U
Toluene	108-88-3	0.012	0.023	0.12	1.0
trans-1,2-Dichloroethene	156-60-5	0.0053	0.024	0.61	0.024 J
Trichloroethene	79-01-6	0.014	0.033	0.17	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV29IASMHWY1N		
Lab ID:	1510313-06B	**Date/Time Analyzed:**	10/22/15 08:02 PM
Date/Time Collected:	10/14/15 03:23 PM	**Dilution Factor:**	1.55
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102215sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0044	0.016	0.040	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	113
4-Bromofluorobenzene	460-00-4	80-117	93
Toluene-d8	2037-26-5	92-110	98

Client ID:	AV29IASMHWY1S		
Lab ID:	1510313-07A	**Date/Time Analyzed:**	10/22/15 09:11 PM
Date/Time Collected:	10/14/15 03:29 PM	**Dilution Factor:**	1.83
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102216

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.60	1.4	6.8	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.064	0.36	0.90	0.21 J
1,2-Dichlorobenzene	95-50-1	0.26	0.44	1.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.10	0.34	0.84	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.18	0.36	0.90	Not Detected U
1,3-Butadiene	106-99-0	0.087	0.16	0.40	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.21	0.44	1.1	Not Detected U
1,4-Dioxane	123-91-1	0.24	0.26	0.66	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.22	0.85	4.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.27	0.54	2.7	1.3 J
2-Hexanone	591-78-6	0.41	0.75	3.7	Not Detected U
2-Propanol	67-63-0	0.71	0.71	2.2	1.3 J
3-Chloropropene	107-05-1	0.39	0.57	2.9	Not Detected U
4-Ethyltoluene	622-96-8	0.16	0.36	0.90	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.14	0.30	0.75	Not Detected U
Acetone	67-64-1	0.20	0.43	2.2	17
alpha-Chlorotoluene	100-44-7	0.13	0.38	0.95	Not Detected U
Bromodichloromethane	75-27-4	0.22	0.49	1.2	Not Detected U
Bromoform	75-25-2	0.20	0.76	1.9	Not Detected U
Bromomethane	74-83-9	0.54	0.71	3.6	Not Detected U
Carbon Disulfide	75-15-0	0.21	0.57	2.8	Not Detected U
Chlorobenzene	108-90-7	0.076	0.34	0.84	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.14	0.33	0.83	Not Detected U
Cumene	98-82-8	0.11	0.36	0.90	Not Detected U

Client ID:	AV29IASMHWY1S		
Lab ID:	1510313-07A	**Date/Time Analyzed:**	10/22/15 09:11 PM
Date/Time Collected:	10/14/15 03:29 PM	**Dilution Factor:**	1.83
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102216

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.13	0.25	0.63	Not Detected U
Dibromochloromethane	124-48-1	0.20	0.62	1.6	Not Detected U
Ethanol	64-17-5	0.26	0.34	1.7	5.5
Freon 11	75-69-4	0.16	0.41	1.0	1.4
Freon 113	76-13-1	0.18	0.56	1.4	0.55 J
Heptane	142-82-5	0.072	0.30	0.75	0.15 J
Hexachlorobutadiene	87-68-3	0.85	2.0	9.8	Not Detected U
Hexane	110-54-3	0.097	0.26	0.64	Not Detected U
Methylene Chloride	75-09-2	0.13	0.25	1.3	0.56 J
Propylbenzene	103-65-1	0.14	0.36	0.90	Not Detected U
Styrene	100-42-5	0.086	0.31	0.78	Not Detected U
Tetrahydrofuran	109-99-9	0.80	0.80	2.7	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.076	0.33	0.83	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	107
4-Bromofluorobenzene	460-00-4	79-114	86
Toluene-d8	2037-26-5	89-108	100

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	AV29IASMHWY1S		
Lab ID:	1510313-07B	**Date/Time Analyzed:**	10/22/15 09:11 PM
Date/Time Collected:	10/14/15 03:29 PM	**Dilution Factor:**	1.83
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102216sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0047	0.040	0.20	0.016 J
1,1,2,2-Tetrachloroethane	79-34-5	0.0095	0.050	0.25	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.0092	0.040	0.20	Not Detected U
1,1-Dichloroethane	75-34-3	0.0027	0.030	0.15	Not Detected U
1,1-Dichloroethene	75-35-4	0.0065	0.029	0.072	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.013	0.056	0.28	Not Detected U
1,2-Dichloroethane	107-06-2	0.0043	0.030	0.15	0.038 J
1,4-Dichlorobenzene	106-46-7	0.024	0.044	0.22	Not Detected U
Benzene	71-43-2	0.038	0.038	0.29	0.36
Carbon Tetrachloride	56-23-5	0.0063	0.046	0.23	0.62
Chloroethane	75-00-3	0.025	0.19	0.24	0.050 J
Chloroform	67-66-3	0.0038	0.036	0.18	0.079 J
Chloromethane	74-87-3	0.014	0.15	0.19	1.6
cis-1,2-Dichloroethene	156-59-2	0.0054	0.029	0.14	Not Detected U
Ethyl Benzene	100-41-4	0.027	0.032	0.16	0.12 J
Freon 114	76-14-2	0.012	0.051	0.26	0.12 J
Freon 12	75-71-8	0.0053	0.036	0.18	2.7
m,p-Xylene	108-38-3	0.0095	0.032	0.32	0.30 J
Methyl tert-butyl ether	1634-04-4	0.0074	0.026	0.66	Not Detected U
o-Xylene	95-47-6	0.0078	0.032	0.16	0.11 J
Tetrachloroethene	127-18-4	0.0066	0.050	0.25	Not Detected U
Toluene	108-88-3	0.015	0.028	0.14	1.1
trans-1,2-Dichloroethene	156-60-5	0.0063	0.029	0.72	Not Detected U
Trichloroethene	79-01-6	0.016	0.039	0.20	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client ID:	AV29IASMHWY1S		
Lab ID:	1510313-07B	**Date/Time Analyzed:**	10/22/15 09:11 PM
Date/Time Collected:	10/14/15 03:29 PM	**Dilution Factor:**	1.83
Media:	6 Liter Summa Canister (SIM Certified)	**Instrument/Filename:**	msd20.i / 20102216sim

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0051	0.019	0.047	Not Detected U

J = Estimated value.
U = The analyte was not detected above the MDL.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	114
4-Bromofluorobenzene	460-00-4	80-117	91
Toluene-d8	2037-26-5	92-110	100

Client ID:	Lab Blank		
Lab ID:	1510313-08A	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trichlorobenzene	120-82-1	0.33	0.74	3.7	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.035	0.20	0.49	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.14	0.24	0.60	Not Detected U
1,2-Dichloropropane	78-87-5	0.057	0.18	0.46	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.096	0.20	0.49	Not Detected U
1,3-Butadiene	106-99-0	0.048	0.088	0.22	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.12	0.24	0.60	Not Detected U
1,4-Dioxane	123-91-1	0.13	0.14	0.36	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.12	0.47	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.15	0.29	1.5	Not Detected U
2-Hexanone	591-78-6	0.22	0.41	2.0	Not Detected U
2-Propanol	67-63-0	0.39	0.39	1.2	Not Detected U
3-Chloropropene	107-05-1	0.21	0.31	1.6	Not Detected U
4-Ethyltoluene	622-96-8	0.089	0.20	0.49	Not Detected U
4-Methyl-2-pentanone	108-10-1	0.078	0.16	0.41	Not Detected U
Acetone	67-64-1	0.11	0.24	1.2	0.42 J
alpha-Chlorotoluene	100-44-7	0.073	0.21	0.52	Not Detected U
Bromodichloromethane	75-27-4	0.12	0.27	0.67	Not Detected U
Bromoform	75-25-2	0.11	0.41	1.0	Not Detected U
Bromomethane	74-83-9	0.30	0.39	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.12	0.31	1.6	Not Detected U
Chlorobenzene	108-90-7	0.041	0.18	0.46	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.078	0.18	0.45	Not Detected U
Cumene	98-82-8	0.060	0.20	0.49	Not Detected U

Client ID:	Lab Blank		
Lab ID:	1510313-08A	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Cyclohexane	110-82-7	0.071	0.14	0.34	Not Detected U
Dibromochloromethane	124-48-1	0.11	0.34	0.85	Not Detected U
Ethanol	64-17-5	0.14	0.19	0.94	0.32 J
Freon 11	75-69-4	0.088	0.22	0.56	Not Detected U
Freon 113	76-13-1	0.097	0.31	0.77	Not Detected U
Heptane	142-82-5	0.039	0.16	0.41	Not Detected U
Hexachlorobutadiene	87-68-3	0.47	1.1	5.3	Not Detected U
Hexane	110-54-3	0.053	0.14	0.35	Not Detected U
Methylene Chloride	75-09-2	0.070	0.14	0.69	0.30 J
Propylbenzene	103-65-1	0.074	0.20	0.49	Not Detected U
Styrene	100-42-5	0.047	0.17	0.42	Not Detected U
Tetrahydrofuran	109-99-9	0.44	0.44	1.5	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.042	0.18	0.45	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	111
4-Bromofluorobenzene	460-00-4	79-114	90
Toluene-d8	2037-26-5	89-108	97

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510313-08B	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206sima

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.0026	0.022	0.11	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.0052	0.027	0.14	0.013 J
1,1,2-Trichloroethane	79-00-5	0.0050	0.022	0.11	Not Detected U
1,1-Dichloroethane	75-34-3	0.0015	0.016	0.081	Not Detected U
1,1-Dichloroethene	75-35-4	0.0036	0.016	0.040	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.0074	0.031	0.15	0.024 J
1,2-Dichloroethane	107-06-2	0.0023	0.016	0.081	0.0070 J
1,4-Dichlorobenzene	106-46-7	0.013	0.024	0.12	0.036 J
Benzene	71-43-2	0.021	0.021	0.16	Not Detected U
Carbon Tetrachloride	56-23-5	0.0035	0.025	0.12	Not Detected U
Chloroethane	75-00-3	0.014	0.10	0.13	Not Detected U
Chloroform	67-66-3	0.0020	0.020	0.098	Not Detected U
Chloromethane	74-87-3	0.0077	0.083	0.10	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.0030	0.016	0.079	Not Detected U
Ethyl Benzene	100-41-4	0.014	0.017	0.087	Not Detected U
Freon 114	76-14-2	0.0066	0.028	0.14	Not Detected U
Freon 12	75-71-8	0.0029	0.020	0.099	Not Detected U
m,p-Xylene	108-38-3	0.0052	0.017	0.17	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.0040	0.014	0.36	Not Detected U
o-Xylene	95-47-6	0.0042	0.017	0.087	Not Detected U
Tetrachloroethene	127-18-4	0.0036	0.027	0.14	Not Detected U
Toluene	108-88-3	0.0080	0.015	0.075	0.010 J
trans-1,2-Dichloroethene	156-60-5	0.0034	0.016	0.40	Not Detected U
Trichloroethene	79-01-6	0.0088	0.022	0.11	Not Detected U

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	Lab Blank		
Lab ID:	1510313-08B	**Date/Time Analyzed:**	10/22/15 11:48 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102206sima

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	75-01-4	0.0028	0.010	0.026	Not Detected U

U = The analyte was not detected above the MDL.
J = Estimated value.
D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	110
4-Bromofluorobenzene	460-00-4	80-117	92
Toluene-d8	2037-26-5	92-110	98

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510313-09A	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	90
1,2,4-Trimethylbenzene	95-63-6	85
1,2-Dichlorobenzene	95-50-1	84
1,2-Dichloropropane	78-87-5	92
1,3,5-Trimethylbenzene	108-67-8	86
1,3-Butadiene	106-99-0	82
1,3-Dichlorobenzene	541-73-1	85
1,4-Dioxane	123-91-1	83
2,2,4-Trimethylpentane	540-84-1	78
2-Butanone (Methyl Ethyl Ketone)	78-93-3	99
2-Hexanone	591-78-6	73
2-Propanol	67-63-0	75
3-Chloropropene	107-05-1	79
4-Ethyltoluene	622-96-8	82
4-Methyl-2-pentanone	108-10-1	84
Acetone	67-64-1	84
alpha-Chlorotoluene	100-44-7	83
Bromodichloromethane	75-27-4	95
Bromoform	75-25-2	94
Bromomethane	74-83-9	103
Carbon Disulfide	75-15-0	86
Chlorobenzene	108-90-7	86
cis-1,3-Dichloropropene	10061-01-5	86
Cumene	98-82-8	87

Client ID:	CCV		
Lab ID:	1510313-09A	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	78
Dibromochloromethane	124-48-1	94
Ethanol	64-17-5	80
Freon 11	75-69-4	85
Freon 113	76-13-1	80
Heptane	142-82-5	91
Hexachlorobutadiene	87-68-3	80
Hexane	110-54-3	77
Methylene Chloride	75-09-2	81
Propylbenzene	103-65-1	83
Styrene	100-42-5	73
Tetrahydrofuran	109-99-9	78
trans-1,3-Dichloropropene	10061-02-6	87

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	99
Toluene-d8	2037-26-5	89-108	103

Client ID:	CCV		
Lab ID:	1510313-09B	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	84
1,1,2,2-Tetrachloroethane	79-34-5	97
1,1,2-Trichloroethane	79-00-5	91
1,1-Dichloroethane	75-34-3	82
1,1-Dichloroethene	75-35-4	72
1,2-Dibromoethane (EDB)	106-93-4	93
1,2-Dichloroethane	107-06-2	88
1,4-Dichlorobenzene	106-46-7	74
Benzene	71-43-2	84
Carbon Tetrachloride	56-23-5	104
Chloroethane	75-00-3	88
Chloroform	67-66-3	81
Chloromethane	74-87-3	71
cis-1,2-Dichloroethene	156-59-2	76
Ethyl Benzene	100-41-4	89
Freon 114	76-14-2	82
Freon 12	75-71-8	87
m,p-Xylene	108-38-3	88
Methyl tert-butyl ether	1634-04-4	78
o-Xylene	95-47-6	86
Tetrachloroethene	127-18-4	80
Toluene	108-88-3	88
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	72

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	CCV		
Lab ID:	1510313-09B	**Date/Time Analyzed:**	10/22/15 08:54 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102202sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	75

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	100
4-Bromofluorobenzene	460-00-4	80-117	102
Toluene-d8	2037-26-5	92-110	103

Client ID:	LCS		
Lab ID:	1510313-10A	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	99
1,2-Dichlorobenzene	95-50-1	92
1,2-Dichloropropane	78-87-5	106
1,3,5-Trimethylbenzene	108-67-8	104
1,3-Butadiene	106-99-0	94
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	100
2,2,4-Trimethylpentane	540-84-1	90
2-Butanone (Methyl Ethyl Ketone)	78-93-3	94
2-Hexanone	591-78-6	97
2-Propanol	67-63-0	96
3-Chloropropene	107-05-1	91
4-Ethyltoluene	622-96-8	93
4-Methyl-2-pentanone	108-10-1	104
Acetone	67-64-1	91
alpha-Chlorotoluene	100-44-7	101
Bromodichloromethane	75-27-4	112
Bromoform	75-25-2	111
Bromomethane	74-83-9	120
Carbon Disulfide	75-15-0	87
Chlorobenzene	108-90-7	98
cis-1,3-Dichloropropene	10061-01-5	93
Cumene	98-82-8	100

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510313-10A	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	92
Dibromochloromethane	124-48-1	111
Ethanol	64-17-5	96
Freon 11	75-69-4	101
Freon 113	76-13-1	90
Heptane	142-82-5	103
Hexachlorobutadiene	87-68-3	88
Hexane	110-54-3	91
Methylene Chloride	75-09-2	92
Propylbenzene	103-65-1	96
Styrene	100-42-5	100
Tetrahydrofuran	109-99-9	90
trans-1,3-Dichloropropene	10061-02-6	102

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	99
4-Bromofluorobenzene	460-00-4	79-114	96
Toluene-d8	2037-26-5	89-108	104

* % Recovery is calculated using unrounded analytical results.

eurofins | Air Toxics

Client ID:	LCSD		
Lab ID:	1510313-10AA	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204a

Compound	CAS#	%Recovery
1,2,4-Trichlorobenzene	120-82-1	100
1,2,4-Trimethylbenzene	95-63-6	97
1,2-Dichlorobenzene	95-50-1	93
1,2-Dichloropropane	78-87-5	106
1,3,5-Trimethylbenzene	108-67-8	103
1,3-Butadiene	106-99-0	92
1,3-Dichlorobenzene	541-73-1	95
1,4-Dioxane	123-91-1	100
2,2,4-Trimethylpentane	540-84-1	90
2-Butanone (Methyl Ethyl Ketone)	78-93-3	92
2-Hexanone	591-78-6	98
2-Propanol	67-63-0	85
3-Chloropropene	107-05-1	92
4-Ethyltoluene	622-96-8	93
4-Methyl-2-pentanone	108-10-1	103
Acetone	67-64-1	88
alpha-Chlorotoluene	100-44-7	100
Bromodichloromethane	75-27-4	113
Bromoform	75-25-2	113
Bromomethane	74-83-9	117
Carbon Disulfide	75-15-0	86
Chlorobenzene	108-90-7	99
cis-1,3-Dichloropropene	10061-01-5	91
Cumene	98-82-8	99

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510313-10AA	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204a

Compound	CAS#	%Recovery
Cyclohexane	110-82-7	91
Dibromochloromethane	124-48-1	111
Ethanol	64-17-5	96
Freon 11	75-69-4	99
Freon 113	76-13-1	89
Heptane	142-82-5	101
Hexachlorobutadiene	87-68-3	88
Hexane	110-54-3	90
Methylene Chloride	75-09-2	91
Propylbenzene	103-65-1	96
Styrene	100-42-5	99
Tetrahydrofuran	109-99-9	90
trans-1,3-Dichloropropene	10061-02-6	103

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	69-132	96
4-Bromofluorobenzene	460-00-4	79-114	98
Toluene-d8	2037-26-5	89-108	103

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510313-10B	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	96
1,1,2,2-Tetrachloroethane	79-34-5	86
1,1,2-Trichloroethane	79-00-5	105
1,1-Dichloroethane	75-34-3	92
1,1-Dichloroethene	75-35-4	83
1,2-Dibromoethane (EDB)	106-93-4	108
1,2-Dichloroethane	107-06-2	98
1,4-Dichlorobenzene	106-46-7	82
Benzene	71-43-2	96
Carbon Tetrachloride	56-23-5	131
Chloroethane	75-00-3	104
Chloroform	67-66-3	92
Chloromethane	74-87-3	80
cis-1,2-Dichloroethene	156-59-2	95
Ethyl Benzene	100-41-4	102
Freon 114	76-14-2	97
Freon 12	75-71-8	100
m,p-Xylene	108-38-3	102
Methyl tert-butyl ether	1634-04-4	86
o-Xylene	95-47-6	101
Tetrachloroethene	127-18-4	92
Toluene	108-88-3	101
trans-1,2-Dichloroethene	156-60-5	78
Trichloroethene	79-01-6	102

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCS		
Lab ID:	1510313-10B	**Date/Time Analyzed:**	10/22/15 09:37 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102203sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	89

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	99
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

Client ID:	LCSD		
Lab ID:	1510313-10BB	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204sima

Compound	CAS#	%Recovery
1,1,1-Trichloroethane	71-55-6	95
1,1,2,2-Tetrachloroethane	79-34-5	85
1,1,2-Trichloroethane	79-00-5	104
1,1-Dichloroethane	75-34-3	91
1,1-Dichloroethene	75-35-4	83
1,2-Dibromoethane (EDB)	106-93-4	108
1,2-Dichloroethane	107-06-2	97
1,4-Dichlorobenzene	106-46-7	81
Benzene	71-43-2	93
Carbon Tetrachloride	56-23-5	130
Chloroethane	75-00-3	103
Chloroform	67-66-3	91
Chloromethane	74-87-3	79
cis-1,2-Dichloroethene	156-59-2	94
Ethyl Benzene	100-41-4	101
Freon 114	76-14-2	95
Freon 12	75-71-8	99
m,p-Xylene	108-38-3	101
Methyl tert-butyl ether	1634-04-4	86
o-Xylene	95-47-6	100
Tetrachloroethene	127-18-4	91
Toluene	108-88-3	99
trans-1,2-Dichloroethene	156-60-5	77
Trichloroethene	79-01-6	101

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

eurofins | Air Toxics

Client ID:	LCSD		
Lab ID:	1510313-10BB	**Date/Time Analyzed:**	10/22/15 10:26 AM
Date/Time Collected:	NA - Not Applicable	**Dilution Factor:**	1.00
Media:	NA - Not Applicable	**Instrument/Filename:**	msd20.i / 20102204sima

Compound	CAS#	%Recovery
Vinyl Chloride	75-01-4	87

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	90-136	98
4-Bromofluorobenzene	460-00-4	80-117	101
Toluene-d8	2037-26-5	92-110	104

* % Recovery is calculated using unrounded analytical results.

F-2

Formaldehyde

eurofins | Air Toxics

11/4/2015
Mr. Mike Dryden
Earth Toxics, Inc.
206 Quail Way

Logan UT 84321

Project Name: AOP NS GTMO
Project #: 888817816
Workorder #: 1510301R1

Dear Mr. Mike Dryden

The following report includes the data for the above referenced project for sample(s) received on 10/16/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1510301R1

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	888817816 AOP NS GTMO
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		
DATE REISSUED:	11/04/2015		

FRACTION #	NAME	TEST
01A	AV32IHFMMP	Modified TO-11A
02A	AV32IHFMM01	Modified TO-11A
03A	AV32IHFMM02	Modified TO-11A
04A	AV32IHFMBLK	Modified TO-11A
05A	CZIAFM47A	Modified TO-11A
06A	CZIAFM48A	Modified TO-11A
07A	CZIAFM43A	Modified TO-11A
08A	CZIAFM44A	Modified TO-11A
09A	CZIAFM28A	Modified TO-11A
10A	CZIAFM27A	Modified TO-11A
11A	CZIAFM35A	Modified TO-11A
12A	CZIAFM36A	Modified TO-11A
13A	ELCIAFMBLK	Modified TO-11A
14A	Lab Blank	Modified TO-11A
15A	LCS	Modified TO-11A
15AA	LCSD	Modified TO-11A

CERTIFIED BY:  DATE: 11/04/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-11A
Earth Toxics, Inc.
Workorder# 1510301R1

Thirteen TO-11 Cartridge samples were received on October 16, 2015. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	***TO-11A***	***ATL Modifications***
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; r^2 > 0.999	Multi-point using average Response Factor; % RSD </= 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

The number of samples received did not match the information on the Chain of Custody (COC). Sample ELCIAFMBLK was added to the analytical request.

Analytical Notes

Sampling volume was supplied by the client.

The field blank samples AV32IHFMBLK and ELCIAFMBLK have reportable levels of Formaldehyde present.

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Media for this analysis was certified at the Reporting Limit. Concentrations that are below the level at which the media was certified may be false positives.

Per client request, the work order was reissued on 11/4/15 to report results for samples AV32IHFMMP, CZIAFM47A, CZIAFM48A, CZIAFM44A, CZIAFM28A and CZIAFM35A using amended sample volumes provided by the client. As a result, the sample volume used to report samples AV32IHFMBLK, ELCIAFMBLK and the Laboratory Blank was amended to 625 L.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: AV32IHFMMP

Lab ID#: 1510301R1-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	4.2	7.4

Client Sample ID: AV32IHFMM01

Lab ID#: 1510301R1-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	3.1	5.3

Client Sample ID: AV32IHFMM02

Lab ID#: 1510301R1-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	12	21

Client Sample ID: AV32IHFMBLK

Lab ID#: 1510301R1-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.080	0.060	0.096

Client Sample ID: CZIAFM47A

Lab ID#: 1510301R1-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.080	13	21

Client Sample ID: CZIAFM48A

Lab ID#: 1510301R1-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	5.2	8.9

eurofins | Air Toxics

Summary of Detected Compounds
AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: CZIAFM43A

Lab ID#: 1510301R1-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.089	2.8	5.0

Client Sample ID: CZIAFM44A

Lab ID#: 1510301R1-08A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	5.9	10

Client Sample ID: CZIAFM28A

Lab ID#: 1510301R1-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	4.0	6.9

Client Sample ID: CZIAFM27A

Lab ID#: 1510301R1-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	4.2	7.3

Client Sample ID: CZIAFM35A

Lab ID#: 1510301R1-11A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	44	75

Client Sample ID: CZIAFM36A

Lab ID#: 1510301R1-12A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	8.8	15

eurofins | Air Toxics

Summary of Detected Compounds
AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: ELCIAFMBLK

Lab ID#: 1510301R1-13A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.080	0.057	0.091

eurofins | Air Toxics

Client Sample ID: AV32IHFMMP

Lab ID#: 1510301R1-01A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022031**	**Date of Collection: 10/10/15 6:28:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 09:33 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	4.2	7.4

Air Sample Volume(L): 572
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: AV32IHFMM01

Lab ID#: 1510301R1-02A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022032**	**Date of Collection: 10/10/15 6:35:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 09:59 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	3.1	5.3

Air Sample Volume(L): 583

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: AV32IHFMM02

Lab ID#: 1510301R1-03A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022033**	**Date of Collection: 10/10/15 6:39:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 10:25 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	12	21

Air Sample Volume(L): 581

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: AV32IHFMBLK

Lab ID#: 1510301R1-04A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022030**	**Date of Collection: 10/10/15 10:31:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 09:07 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.080	0.060	0.096

Air Sample Volume(L): 625

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM47A

Lab ID#: 1510301R1-05A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022034**	**Date of Collection: 10/11/15 4:13:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 10:51 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.080	13	21

Air Sample Volume(L): 625
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM48A

Lab ID#: 1510301R1-06A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022035**	**Date of Collection: 10/11/15 4:24:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 11:17 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	5.2	8.9

Air Sample Volume(L): 581
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM43A

Lab ID#: 1510301R1-07A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022036**	**Date of Collection: 10/11/15 4:24:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 11:43 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.089	2.8	5.0

Air Sample Volume(L): 564

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM44A

Lab ID#: 1510301R1-08A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022037**	**Date of Collection: 10/11/15 4:25:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/23/15 12:09 AM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	5.9	10

Air Sample Volume(L): 581
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM28A

Lab ID#: 1510301R1-09A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022038**	**Date of Collection: 10/11/15 4:30:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/23/15 12:35 AM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	4.0	6.9

Air Sample Volume(L): 577
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM27A

Lab ID#: 1510301R1-10A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022039**	**Date of Collection: 10/11/15 4:32:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/23/15 01:01 AM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	4.2	7.3

Air Sample Volume(L): 576
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM35A

Lab ID#: 1510301R1-11A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022045**	**Date of Collection: 10/11/15 4:40:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/23/15 03:36 AM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	44	75

Air Sample Volume(L): 582
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM36A

Lab ID#: 1510301R1-12A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022046**	**Date of Collection: 10/11/15 4:41:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/23/15 04:02 AM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	8.8	15

Air Sample Volume(L): 577
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBLK

Lab ID#: 1510301R1-13A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022044**	**Date of Collection: 10/13/15 6:40:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/23/15 03:10 AM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.080	0.057	0.091

Air Sample Volume(L): 625
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1510301R1-14A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022029a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 08:41 PM**	
		Date of Extraction: 10/22/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.080	Not Detected	Not Detected

Air Sample Volume(L): 625

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1510301R1-15A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022027**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 07:49 PM**	
		Date of Extraction: 10/22/15	

Compound	%Recovery	Method Limits
Formaldehyde	100	85-115

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1510301R1-15AA

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022028**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 08:15 PM**	
		Date of Extraction: 10/22/15	

Compound	%Recovery	Method Limits
Formaldehyde	102	85-115

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

eurofins | Air Toxics

11/9/2015
Mr. Mike Dryden
Earth Toxics, Inc.
206 Quail Way

Logan UT 84321

Project Name: AOP NS GTMO
Project #:
Workorder #: 1510302R2

Dear Mr. Mike Dryden

The following report includes the data for the above referenced project for sample(s) received on 10/16/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1510302R2

Work Order Summary

CLIENT:	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321	**BILL TO:**	Mr. Mike Dryden Earth Toxics, Inc. 206 Quail Way Logan, UT 84321
PHONE:	925-513-1270	**P.O. #**	
FAX:		**PROJECT #**	AOP NS GTMO
DATE RECEIVED:	10/16/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	10/23/2015		
DATE REISSUED:	11/09/2015		

FRACTION #	NAME	TEST
01A	CZIAFM22A	Modified TO-11A
02A	CZIAFM23A	Modified TO-11A
03A	CZIAFM16A	Modified TO-11A
04A	CZIAFM17A	Modified TO-11A
05A	CZIAFM5A	Modified TO-11A
06A	CZIAFM4A	Modified TO-11A
07A	CZIAFM10B	Modified TO-11A
08A	CZIAFM11B	Modified TO-11A
09A	CZIAFMBLK	Modified TO-11A
10A	ELCIAFMBL29	Modified TO-11A
11A	ELCIAFMBL11	Modified TO-11A
12A	ELCIAFMBL5	Modified TO-11A
13A	ELCIAFMBL4	Modified TO-11A
14A	ELCIAFMBL3107	Modified TO-11A
15A	ELCIAFMBL8	Modified TO-11A
16A	AV29IAFMST	Modified TO-11A
17A	ELCIAFMBL30	Modified TO-11A
18A	ELCIAFMBL2	Modified TO-11A
19A	Lab Blank	Modified TO-11A
20A	LCS	Modified TO-11A
20AA	LCSD	Modified TO-11A

CERTIFIED BY:  DATE: 11/09/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-11A
Earth Toxics, Inc.
Workorder# 1510302R2

Eighteen TO-11 Cartridge samples were received on October 16, 2015. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	***TO-11A***	***ATL Modifications***
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; r^2 > 0.999	Multi-point using average Response Factor; % RSD </= 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

There were no receiving discrepancies. The work order was reissued on 11/6/15 to document change in identification of samples ELCIAFMBL30 and ELCIAFMBL2 per the revised Chain of Custody (COC) provided by the client.

The work order was reissued on 11/9/15 to amend identification of the following samples ELCIAFMBL30 and ELCIAFMBL2 per revised chain of custody provided by the client.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 592 L was used to report sample CZIAFMBLK and the Laboratory Blank.

The field blank sample CZIAFMBLK has a reportable level of Formaldehyde present. Reanalysis of the extract confirmed the initial result.

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Media for this analysis was certified at the Reporting Limit. Concentrations that are below the level at which the media was certified may be false positives.

Per client request, the work order was reissued on 11/4/15 to report results for samples CZIAFM22A, CZIAFM23A, CZIAFM17A, CZIAFM5A, CZIAFM4A, CZIAFM10B, CZIAFM11B and

ELCIAFMBL5 using amended sample volumes provided by the client.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: CZIAFM22A

Lab ID#: 1510302R2-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.088	13	23

Client Sample ID: CZIAFM23A

Lab ID#: 1510302R2-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	17	29

Client Sample ID: CZIAFM16A

Lab ID#: 1510302R2-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	23	40

Client Sample ID: CZIAFM17A

Lab ID#: 1510302R2-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	29	51

Client Sample ID: CZIAFM5A

Lab ID#: 1510302R2-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	28	48

Client Sample ID: CZIAFM4A

Lab ID#: 1510302R2-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	18	32

eurofins | Air Toxics

Summary of Detected Compounds
AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: CZIAFM10B

Lab ID#: 1510302R2-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	14	23

Client Sample ID: CZIAFM11B

Lab ID#: 1510302R2-08A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	17	29

Client Sample ID: CZIAFMBLK

Lab ID#: 1510302R2-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.084	0.063	0.11

Client Sample ID: ELCIAFMBL29

Lab ID#: 1510302R2-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	5.9	10

Client Sample ID: ELCIAFMBL11

Lab ID#: 1510302R2-11A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	3.3	5.6

Client Sample ID: ELCIAFMBL5

Lab ID#: 1510302R2-12A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	5.6	9.8

eurofins | Air Toxics

Summary of Detected Compounds
AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: ELCIAFMBL4

Lab ID#: 1510302R2-13A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	4.0	6.9

Client Sample ID: ELCIAFMBL3107

Lab ID#: 1510302R2-14A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.089	4.6	8.1

Client Sample ID: ELCIAFMBL8

Lab ID#: 1510302R2-15A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.085	15	25

Client Sample ID: AV29IAFMST

Lab ID#: 1510302R2-16A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	6.4	11

Client Sample ID: ELCIAFMBL30

Lab ID#: 1510302R2-17A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	2.7	4.6

Client Sample ID: ELCIAFMBL2

Lab ID#: 1510302R2-18A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	3.6	6.2

eurofins | Air Toxics

Client Sample ID: CZIAFM22A

Lab ID#: 1510302R2-01A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022006**	**Date of Collection: 10/11/15 4:44:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 10:45 AM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.088	13	23

Air Sample Volume(L): 570

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM23A

Lab ID#: 1510302R2-02A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022007**	**Date of Collection: 10/11/15 4:49:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 11:11 AM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	17	29

Air Sample Volume(L): 582

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM16A

Lab ID#: 1510302R2-03A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022008**	**Date of Collection: 10/12/15 4:14:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 11:37 AM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	23	40

Air Sample Volume(L): 576

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM17A

Lab ID#: 1510302R2-04A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022009**	**Date of Collection: 10/12/15 4:18:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 12:03 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	29	51

Air Sample Volume(L): 577

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM5A

Lab ID#: 1510302R2-05A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022010**	**Date of Collection: 10/12/15 4:22:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 12:28 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	28	48

Air Sample Volume(L): 577
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM4A

Lab ID#: 1510302R2-06A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022011**	**Date of Collection: 10/12/15 4:26:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 12:54 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	18	32

Air Sample Volume(L): 578

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM10B

Lab ID#: 1510302R2-07A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022012**	**Date of Collection: 10/12/15 4:31:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 01:20 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	14	23

Air Sample Volume(L): 580
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFM11B

Lab ID#: 1510302R2-08A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022013**	**Date of Collection: 10/12/15 4:35:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 01:46 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	17	29

Air Sample Volume(L): 581
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: CZIAFMBLK

Lab ID#: 1510302R2-09A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022014**	**Date of Collection: 10/12/15 4:35:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 02:12 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.084	0.063	0.11

Air Sample Volume(L): 592

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL29

Lab ID#: 1510302R2-10A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022015**	**Date of Collection: 10/13/15 6:15:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 02:38 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	5.9	10

Air Sample Volume(L): 576

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL11

Lab ID#: 1510302R2-11A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022018**	**Date of Collection: 10/13/15 6:30:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 03:56 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	3.3	5.6

Air Sample Volume(L): 576

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL5

Lab ID#: 1510302R2-12A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022019**	**Date of Collection: 10/13/15 7:08:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 04:22 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	5.6	9.8

Air Sample Volume(L): 576

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL4

Lab ID#: 1510302R2-13A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022020**	**Date of Collection: 10/13/15 7:08:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 04:48 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	4.0	6.9

Air Sample Volume(L): 583

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL3107

Lab ID#: 1510302R2-14A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022021**	**Date of Collection: 10/13/15 7:00:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 05:14 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.089	4.6	8.1

Air Sample Volume(L): 564

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL8

Lab ID#: 1510302R2-15A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022022**	**Date of Collection: 10/13/15 7:15:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 05:40 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.085	15	25

Air Sample Volume(L): 588

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: AV29IAFMST

Lab ID#: 1510302R2-16A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022023**	**Date of Collection: 10/14/15 5:24:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 06:06 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.087	6.4	11

Air Sample Volume(L): 576

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL30

Lab ID#: 1510302R2-17A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022024**	**Date of Collection: 10/14/15 5:35:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 06:32 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	2.7	4.6

Air Sample Volume(L): 582

Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: ELCIAFMBL2

Lab ID#: 1510302R2-18A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022025**	**Date of Collection: 10/14/15 6:12:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 06:58 PM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.086	3.6	6.2

Air Sample Volume(L): 582
Container Type: TO-11 Cartridge

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1510302R2-19A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022005a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 10:19 AM**	
		Date of Extraction: 10/21/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.084	0.044 J	0.074 J

Air Sample Volume(L): 592

J = Estimated value.

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1510302R2-20A

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 09:27 AM**	
		Date of Extraction: 10/21/15	

Compound	%Recovery	Method Limits
Formaldehyde	104	85-115

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1510302R2-20AA

AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name:	**f1022004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/15 09:53 AM**	
		Date of Extraction: 10/21/15	

Compound	%Recovery	Method Limits
Formaldehyde	104	85-115

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

F-3
Asbestos in Air

Mr. Frank Rooney
EnSafe
7775 Bay Meadows Way
Suite 105
Jacksonville, FL 32256

November 18, 2015

AIHA-LAP #100324 Account# 29621 Login# L358724

Dear Mr. Rooney:

Enclosed are the analytical results for the samples received by our laboratory on October 20, 2015. All test results meet the quality control requirements of AIHA-LAP unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 60 days from the date of this report.

To ensure the safety of laboratory receiving personnel, always seal bulk samples securely to prevent possible escape of material. Also, please double-bag bulk samples individually prior to shipping. Samples not received in this manner will be noted on the chain of custody form.

All current scopes of accreditation can be viewed at www.galsonlabs.com in the Accreditations section under the "about Galson" tab.

Please contact Tonya Lancaster at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Pamela Weaver
Asbestos Technical Manager

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.

GALSON LABORATORIES
6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : NS
Project No. : GTMO JMB5
Date Sampled : 10-OCT-15 - 14-OCT-15
Date Received : 20-OCT-15

Account No.: 29621
Login No. : L358724

Date Analyzed : 23-OCT-15
Report ID : 906312

Total Fiber Count

Sample ID	Lab ID	Fibers/ Fields	Fibers/ mm2	Fibers/ Filter	Air Volume (cc)	Fibers/ cc
AV32IAASBMF	L358724-1	5/100	<7	<2700	1,200,000	<0.002
AV32IAASBMZ	L358724-2	3/100	<7	<2700	1,202,000	<0.002
AV32IAASBFB1	L358724-3	1/100	<7	<2700	NA	NA
AV32IAASBMR	L358724-4	6/100	7.6	2926	1,184,000	0.002
AV34IAASBCR	L358724-5	4.5/100	<7	<2700	1,277,000	<0.002
AV34IAASB1HWYN	L358724-6	25/100	31.8	12,243	1,254,000	0.01
AV34IAASB2HWYS	L358724-7	15/100	19.1	7354	1,240,000	0.006
AV34IAASB2HWYN	L358724-8	16/100	20.4	7854	1,246,000	0.006
AV29IAASB1HWYS	L358724-9	4/100	<7	<2700	1,238,000	<0.002
AV29IAASB1HWYN	L358724-10	3.5/100	<7	<2700	1,222,000	<0.002
AV29IAASB2HWYS	L358724-11	8.5/100	10.8	4158	1,236,000	0.003
AV29IAASB2HWYN	L358724-12	10/100	12.7	4890	1,236,000	0.004
AV29IAASBDVR	L358724-13	12/100	15.3	5891	1,284,000	0.005

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Sample Matrix : 25mm MCE P
Analytical Method : mod. NIOSH 7400 "A" Rules
Limit of Quantitation : 5.5 Fibers/ 100 Fields
Microscope field area : 0.00785 mm2
Filter collection area: 385 mm2

Submitted by : BDB
Approved by : RCF
Date : 26-OCT-15
QC by: CRD
Supervisor: BDB

< -Less Than
> -Greater Than
ND -Not Detected
NA -Not Applicable
cc -Cubic Centimeters
NS -Not Specified
mm2 -Square millimeters

LABORATORY ANALYSIS REPORT

GALSON LABORATORIES
6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : EnSafe
Site : NS
Project No. : GTMO JMB5
Date Sampled : 10-OCT-15 - 14-OCT-15
Date Received : 20-OCT-15

Account No.: 29621
Login No. : L358724

Date Analyzed : 23-OCT-15
Report ID : 906312

Total Fiber Count

Sample ID	Lab ID	Fibers/ Fields	Fibers/ mm2	Fibers/ Filter	Air Volume (cc)	Fibers/ cc
AV31IAASB1	L358724-14	11/100	14	5390	960,000	0.006
AV29IAASBFB2	L358724-15	1/100	<7	<2700	NA	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Sample Matrix : 25mm MCE P
Analytical Method : mod. NIOSH 7400 "A" Rules
Limit of Quantitation : 5.5 Fibers/ 100 Fields
Microscope field area : 0.00785 mm2
Filter collection area: 385 mm2

Submitted by : BDB
Approved by : RCF
Date : 26-OCT-15
QC by: CRD
Supervisor: BDB

< -Less Than
> -Greater Than
ND -Not Detected
NA -Not Applicable
cc -Cubic Centimeters
NS -Not Specified
mm2 -Square millimeters

GALSON LABORATORIES
6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY FOOTNOTE REPORT

Client Name : EnSafe
Site :
Project No. : GTMO/JMB5

Date Sampled : 10-OCT-15 - 14-OCT-15 Account No.: 29621
Date Received: 20-OCT-15 Login No. : L358724
Date Analyzed: 23-OCT-15

Unless otherwise noted below, all quality control results associated with the samples were within established control limits or did not impact reported results.

The laboratory does not have control over sampling; reported concentrations are based on client-supplied information (e.g. air volume, sampling time, area).

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

Unless otherwise noted below, reported results have not been blank corrected for any field blank or method blank.

L358724 (Report ID: 906312):
SOPs: ia-pcm(24)
Per NIOSH 7400, fiber counts less than 100 f/mm2 or greater than 1300 f/mm2 have a greater than optimal variability and are probably biased.
The current intra-laboratory coefficients of variation (CVs) for the applicable fiber ranges are as follows:
0.151 (5-20 fibers/100 fields)
0.092 (>20-50 fibers/100 fields)
0.092 (>50-100 fibers/100 fields)
0.079 (>100 fibers/100 fields)
The stated CVs apply to the media, technology, and SOP(s) referenced in the report and do not take into account any uncertainty associated with the sampling process.

<	-Less Than	mg	-Milligrams	m3	-Cubic Meters	kg	-Kilograms	ppm	-Parts per Million
>	-Greater Than	ug	-Micrograms	l	-Liters	NS	-Not Specified	ND	-Not Detected	NA	-Not Applicable

1358724

610423695635
Date:10/20/15
Shipper:FEDEX
Initials:SK
Prep:PSY357726

You may edit and complete this COC electronically by logging in to your Client Portal account at https://portal.galsonlabs.com/

☐ Standard	0%
☒ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Client Acct No.: 29621
Original Prep No.: PSY357726
CS Rep: CHUDSON
Online COC No.: 22064

Report To : Mr. Frank Rooney
Company Name : EnSafe
Address 1 : 7775 Bay Meadows Way
Address 2 : Suite 105
City, State Zip : Jacksonville, FL 32256
Phone No. : 508 - 243 - 9589
Cell No. : 508 - 243 - 9589
Email reports to : frooney@ensafe.com
Comments :

Invoice To : Ms. Kelly Murray
Company Name : EnSafe
Address 1 : 7775 Bay Meadows Way
Address 2 : Suite 105
City, State Zip : Jacksonville, FL 32256
Phone No. : 904 - 301 - 4515
Email Address : kmurray@ensafe.com
Comments :
P.O. No. :
Payment info. : ☐ I will call SGS Galson to provide credit card info
☐ Card on File (enter the last five digits on the line below)

☐ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Site Name : Project : GTMO/JMB5 Sampled By : Robert Thomas

List description of industry or Process/interferences present in sampling area :

State samples were collected in (e.g., NY)

Please indicate which OEL(s) this data will be used for :
☐ OSHA PEL ☐ ACGIH TLV ☐ MSHA ☐ Cal OSHA
☐ IAQ : _____ (Specify Limit(s)) ☐ Other : _____ (Specify Other)

Comments : Hold samples after PCM, as TEM may be needed.

* X-tra A not on sample. ** Some IDs have "I4" in the middle instead of "IA" 10/20/15

Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes in², cm², ft²	Analysis Requested	Method Reference ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
*AV32IAASBMF	10/10/15	25mm 0.8u MCE for PCM	1200 19:05	Lit.	Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV32IAASBM2	"	25mm 0.8u MCE for PCM	1202 19:20	"	Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV32IAASBFB1	"	25mm 0.8u MCE for PCM	Field Blank/19:20	"	Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV32IAASBMR	10/11/15	25mm 0.8u MCE for PCM	1184 18:05	"	Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	

☐ ^ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By :	Robert Thomas	Robert Thomas	10/19/15	1130	Received By :				
Relinquished By :					Received By :	M Kraus	M Kraus	10/20/15	0911

Samples received after 3pm will be considered as next day's business.

SGS GALSON LABORATORIES

6601 Kirkville Road
East Syracuse, NY 13057

Tel: 1 - 315 - 432 - 5227
1 - 888 - 432 - LABS (5227)

www.galsonlabs.com

Comments :

R116

Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes in², cm², ft²	Analysis Requested	Method Reference ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
AV34IAASBCR	10/13/15	25mm 0.8u MCE for PCM	1277 19:26	Lit.	Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV34IA ASB 1 HWY N		25mm 0.8u MCE for PCM	1254 19:30		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV34IA ASB 2 HWY S		25mm 0.8u MCE for PCM	1240 19:35		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV34IA ASB2 HWY N		25mm 0.8u MCE for PCM	1246 19:33		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV29IA ASB 1 HWY S	10/14/15	25mm 0.8u MCE for PCM	1238 19:07		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV29IA ASB 1 HWY N		25mm 0.8u MCE for PCM	1222 18:56		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV29IA ASB2 HWY S		25mm 0.8u MCE for PCM	1236 19:10		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV29IA ASB2 HWY N		25mm 0.8u MCE for PCM	1236 19:13		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV29IA ASB DUR		25mm 0.8u MCE for PCM	1284 19:39		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV31IA ASB 1		25mm 0.8u MCE for PCM	960 17:35		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
AV29IA ASB FB2		25mm 0.8u MCE for PCM	Field Blank 18:56		Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
		25mm 0.8u MCE for PCM			Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
		25mm 0.8u MCE for PCM			Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	
		25mm 0.8u MCE for PCM			Asbestos and other fibers (fiber count)	mod. NIOSH 7400 "A" Rules; PCM	

☐ ^ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By :	Robert Thomas	Robert Thomas	10/19/15	1130	Received By :			20	
Relinquished By :					Received By :	M-Kraus	M-Kraus	10/20/15	0911

Samples received after 3pm will be considered as next day's business.

Page : 2 / 2
Online COC No. : 22064
Draft : 10/6/2015 5:03:06 pm

F-4

Radon

Attention: P7514 / SANDRA ROSS

Kit #: 4919895 Result: < 0.3 pCi/l
Location: 1st Floor
Ao Patriot Ns Guantanamo Av29iahwyn
,

Analysis Note :
Analyzed : 2015-10-17 at 11:00 am
Started : 2015-10-13 at 9:00 am
Ended : 2015-10-15 at 9:00 am
Hours/MST% : 48 hours 7.3% 70°F

Kit #: 4919896 Result: < 0.3 pCi/l
Location: 1st Floor
Ao Patriot Ns Guantanamo Av29iahwys
,

Analysis Note :
Analyzed : 2015-10-17 at 11:00 am
Started : 2015-10-13 at 9:00 am
Ended : 2015-10-15 at 9:00 am
Hours/MST% : 48 hours 7.3% 70°F

Kit #: 4919898 Result: < 0.3 pCi/l
Location: Sub Floor
Ao Patriot Ns Guantanamo Av34iarncs
,

Analysis Note :
Analyzed : 2015-10-17 at 11:00 am
Started : 2015-10-13 at 2:00 pm
Ended : 2015-10-15 at 2:00 pm
Hours/MST% : 48 hours 8.7% 60°F

Kit #: 4919899 Result: 0.9 ± 0.2 pCi/l
Location: Basement
Ao Patriot Ns Guantanamo Av34iarnbm
,

Analysis Note :
Analyzed : 2015-10-17 at 11:00 am
Started : 2015-10-13 at 2:00 pm
Ended : 2015-10-15 at 2:00 pm
Hours/MST% : 48 hours 5.9% 60°F

Kit #: 4919900 Result: < 0.3 pCi/l
Location: 1st Floor
Ao Patriot Ns Guantanamo Av32iarnmr4
,

Analysis Note :
Analyzed : 2015-10-17 at 11:00 am
Started : 2015-10-13 at 8:00 am
Ended : 2015-10-15 at 9:00 am
Hours/MST% : 49 hours 5.1% 70°F

Kit #: 4919902 Result: 0.9 ± 0.2 pCi/l
Location: 1st Floor
Ao Patriot Ns Guantanamo Av31iarnmr
,

Analysis Note :
Analyzed : 2015-10-17 at 11:00 am
Started : 2015-10-13 at 8:00 am
Ended : 2015-10-15 at 9:00 am
Hours/MST% : 49 hours 7.3% 65°F

Air Chek, Inc. 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

10/17/15 ACTIVATED CHARCOAL RADON TEST #4919895

Radon Test Result: < 0.3 ±0.3 pCi/L

Test Started 10/13/15 at 9:00 am
Test Ended 10/15/15 at 9:00 am
Closed house conditions maintained during test.

Location 1st Floor

Air Chek, Inc.

PO Box 2000

Naples, NC 28760

www.radon.com

AO PATRIOT NS GUANTANAMO AV29IAHWYN

INTERPRETING YOUR TEST RESULT

This radon test was provided to you by ENSAFE INC / 901-372-7962. The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range(0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

You may be able to obtain additional information about radon related subjects by calling the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

Your Test Result

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

Health Risks

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term `worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Most states have a radon office to assist citizens with general questions about radon and radon reduction techniques. Many states maintain a list of licensed or certified radon testing and mitigation professionals. You can visit www.state-radon.info to find the list of state radon contacts, as well as links to additional radon resources in your area.

10/17/15 ACTIVATED CHARCOAL RADON TEST #4919896

Radon Test Result: < 0.3 ±0.3 pCi/L

Test Started 10/13/15 at 9:00 am
Test Ended 10/15/15 at 9:00 am
Closed house conditions maintained during test.

Location 1st Floor

Air Chek, Inc.

PO Box 2000

Naples, NC 28760

www.radon.com

AO PATRIOT NS GUANTANAMO AV29IAHWYS

INTERPRETING YOUR TEST RESULT

This radon test was provided to you by ENSAFE INC / 901-372-7962. The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range(0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

You may be able to obtain additional information about radon related subjects by calling the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

Your Test Result

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

Health Risks

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term `worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Most states have a radon office to assist citizens with general questions about radon and radon reduction techniques. Many states maintain a list of licensed or certified radon testing and mitigation professionals. You can visit www.state-radon.info to find the list of state radon contacts, as well as links to additional radon resources in your area.

10/17/15 ACTIVATED CHARCOAL RADON TEST #4919898

Radon Test Result: < 0.3 ±0.2 pCi/L

Test Started 10/13/15 at 2:00 pm
Test Ended 10/15/15 at 2:00 pm
Closed house conditions maintained during test.

SUB FLOOR

AO PATRIOT NS GUANTANAMO AV34IARNCS

Air Chek, Inc.

PO Box 2000

Naples, NC 28760

www.radon.com

INTERPRETING YOUR TEST RESULT

This radon test was provided to you by ENSAFE INC / 901-372-7962. The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range(0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

You may be able to obtain additional information about radon related subjects by calling the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

Your Test Result

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

Health Risks

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term `worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Most states have a radon office to assist citizens with general questions about radon and radon reduction techniques. Many states maintain a list of licensed or certified radon testing and mitigation professionals. You can visit www.state-radon.info to find the list of state radon contacts, as well as links to additional radon resources in your area.

10/17/15 ACTIVATED CHARCOAL RADON TEST #4919899

Radon Test Result: 0.9 ±0.2 pCi/L

Test Started 10/13/15 at 2:00 pm
Test Ended 10/15/15 at 2:00 pm
Closed house conditions maintained during test.

Location Basement

Air Chek, Inc.

PO Box 2000

Naples, NC 28760

www.radon.com

AO PATRIOT NS GUANTANAMO AV34IARNBM

INTERPRETING YOUR TEST RESULT

This radon test was provided to you by ENSAFE INC / 901-372-7962. The US EPA action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little short-term risk with test results in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as seasonally, you may want to retest during another season. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.

You may be able to obtain additional information about radon related subjects by calling the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

Your Test Result

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

Health Risks

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term `worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Most states have a radon office to assist citizens with general questions about radon and radon reduction techniques. Many states maintain a list of licensed or certified radon testing and mitigation professionals. You can visit www.state-radon.info to find the list of state radon contacts, as well as links to additional radon resources in your area.

10/17/15 ACTIVATED CHARCOAL RADON TEST #4919900

Radon Test Result: < 0.3 ±0.2 pCi/L

Test Started 10/13/15 at 8:00 am
Test Ended 10/15/15 at 9:00 am
Closed house conditions maintained during test.

Location 1st Floor

Air Chek, Inc.

PO Box 2000

Naples, NC 28760

www.radon.com

AO PATRIOT NS GUANTANAMO AV32IARNMR4

INTERPRETING YOUR TEST RESULT

This radon test was provided to you by ENSAFE INC / 901-372-7962. The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range(0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

You may be able to obtain additional information about radon related subjects by calling the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

Your Test Result

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

Health Risks

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term `worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Most states have a radon office to assist citizens with general questions about radon and radon reduction techniques. Many states maintain a list of licensed or certified radon testing and mitigation professionals. You can visit www.state-radon.info to find the list of state radon contacts, as well as links to additional radon resources in your area.

10/17/15 ACTIVATED CHARCOAL RADON TEST #4919902

Radon Test Result: 0.9 ±0.2 pCi/L

Test Started 10/13/15 at 8:00 am
Test Ended 10/15/15 at 9:00 am
Closed house conditions maintained during test.

Location 1st Floor

Air Chek, Inc.

PO Box 2000

Naples, NC 28760

www.radon.com

AO PATRIOT NS GUANTANAMO AV31IARNMR

INTERPRETING YOUR TEST RESULT

This radon test was provided to you by ENSAFE INC / 901-372-7962. The US EPA action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little short-term risk with test results in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as seasonally, you may want to retest during another season. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.

You may be able to obtain additional information about radon related subjects by calling the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

Your Test Result

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

Health Risks

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term `worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Most states have a radon office to assist citizens with general questions about radon and radon reduction techniques. Many states maintain a list of licensed or certified radon testing and mitigation professionals. You can visit www.state-radon.info to find the list of state radon contacts, as well as links to additional radon resources in your area.

Conducting Follow-up Measurements

The higher your initial (screening) tests, the sooner you should conduct follow-up measurements. The EPA states that you should retest the same location that was tested initially.

For additional or follow-up testing, make sure at least one test is conducted in the **lowest lived-in level** of the home. Also choose regularly used rooms, such as family rooms, dens, playrooms, or bedrooms. A bedroom on the lower level may be a good choice, because people generally spend the most time in their bedrooms (approximately one-third of the year). If there are children, it may be appropriate to test their rooms or other areas where they spend a lot of time, especially at the lower levels. All short-term follow-up tests **must** be conducted under closed-building conditions. If closed-building conditions cannot be maintained, a long-term measurement conducted under normal living conditions could be used to help estimate average annual exposures.

Tests **should not be conducted** in a kitchen or a bathroom because high humidity, exhaust fans, and other factors can adversely affect the test results. Tests **should not be conducted** in storage areas or laundry rooms, because relatively little time is spent there. Although radon in water may be a contributor to the concentration of airborne radon, radon in air should be **confirmed** before a test for radon in water is performed.

It is recommended that before spending any time or money on radon mitigation, one should conduct multiple (two or more) tests to be certain there is a need. A few more tests will most certainly cost considerably less than any mitigation work.

If follow-up measurements have **confirmed** that the average annual level of radon is equal to or greater than 4 pCi/L, the USEPA recommends that the building or home be mitigated for radon. Consider also that a future buyer is likely to demand that the building pass a radon test before purchasing.

Variations in Radon Levels - What can affect your test results and why it may be important to conduct confirmation tests.

When tests are performed in different seasons or under different weather conditions, the initial screening and follow-up tests may vary considerably. Radon levels can vary significantly between seasons, so different results **are often expected**. Even during normal weather, indoor radon levels may rise and fall by a factor of two on a daily cycle; for example, from 5 pCi/L to 10 pCi/L in 24 hours. During rapidly changing or stormy weather, the levels may change more dramatically.

If you are comparing tests, or are averaging a series of tests, bear in mind that any radon test returns only the average of the levels present during a **specific period of time** at the **precise location** of the test. Conditions during a different test period or at a different location in the building are **expected to be different**.

Test results can also vary if the radon test instructions were not carefully followed. A laboratory measuring radon in samples taken outside the lab **must rely on the person conducting the test**. For example, the wrong starting or ending date of a test will significantly affect the calculated result. The location of each radon test can also influence the result. For example, a test placed in the blowing air stream of a fan is likely to collect more radon than it would under normal conditions. Also, three tests conducted in one home, but in three different rooms, **would be expected to have at least slightly different test results.**

Test results from a properly used activated charcoal test will more closely reflect the average radon concentrations over the last three to four days of the test period. This happens because the radon collected by the activated charcoal has a radioactive half-life of only four days. This means, for example, over one-half of the radon collected during the first three days of a seven day test `died' before the test ended.

If you have further questions regarding this test or need advice on follow-up testing, call fax or email our technical service department listed below.

Thank you for choosing the Air Chek test device

PERFORMING RADON TESTS FOR A REAL ESTATE TRANSACTION

EPA guidelines recommend that at least two short-term tests should be conducted, either together or sequentially, in the lowest level of the building usable by the buyers. If the average of all the tests is 4 pCi/L or more, the recommendation is to have the building mitigated by a certified professional. If the average is below 4 pCi/L, then no further action is necessary at this time, although testing in the future is recommended. It is **highly recommended** that any property transaction tests be conducted by a certified radon professional. To locate a listed or certified radon tester, contact your state radon office (www.state-radon.info) or go to www.nrpp.info to download a list of professionals certified by the National Radon Proficiency Program (NRPP).

Also visit www.epa.gov/radon to download the latest copy of their publication: *Home Buyer's and Seller's Guide to Radon*.

Limitation of Liability: While we at Air Chek, Inc. make every effort to maintain the highest possible quality control and include several checks and verification steps in our procedures, we make NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS with respect to any item furnished, information supplied or services rendered you by Air Chek, Inc. Before any action is taken on the basis of test results given to you by Air Chek, Inc. we recommend that further testing be done. Neither Air Chek, Inc., nor any of our employees or agents, shall be liable under any claim, charge, or demand, whether in contract, tort or otherwise, for any and all losses, costs, charges, claims, demands, fees, expenses, injuries or damages (including without limitation INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH ARE EXCLUDED) of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any item furnished, information supplied, or service rendered to you by Air Chek, Inc.

Notice to Pennsylvania Residents: The Radon Certification Act requires that anyone who provides any radon-related service or product to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments, or complaints concerning persons who provide radon-related services, please contact the Department of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469 (717-783-4594).

The radon test kit(s) used for this report is certified by the National Radon Proficiency Program (NRPP), Lab ID: 101138AL, for use in all fifty states. It is also listed or certified for use in all states that have a radon program.

For technical information, call (800) 247-2435. Office hours are Mon-Fri 8:30 to 5:30 Eastern
You can reach us by Fax at (828) 684-8498 or by email at info@radon.com
Web Site: www.radon.com

F-5
Paint Chips

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-118004-1
TestAmerica Sample Delivery Group: GTM09
Client Project/Site: GTMO Cuba / Site Investigation
Revision: 2

For:
Earth Toxics, Inc
PO Box 3382
Logan, Utah 84321

Attn: Mike Dryden

Authorized for release by:
11/13/2015 1:44:49 PM
Bernard Kirkland, Manager of Project Management
(912)354-7858 e.3238
bernard.kirkland@testamericainc.com

Designee for

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-118004-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO Cuba / Site Investigation

Report Number: 680-118004-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/17/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

Note: Report revised 11/4/15 to remove references to Pesticides where possible.
Report revised 11/13/15 to include two-column reporting reference and reference to 8081B/8082A analytical approach as outlined in laboratory SOP.

PCBS

Samples AV32PC01 (680-118004-1), AV32PC02 (680-118004-2) and AV32PC03 (680-118004-3) were analyzed for PCBs in accordance with EPA SW-846 8082A. The samples were prepared and analyzed on 10/22/2015.

TestAmerica Savannah analyzes EPA 8081B and EPA 8082A simultaneously in accordance with Laboratory SOP SA-SG-046 - using the same extract and the same injection. This reults in pesticide data being included as the TCMX and DCB surrogate analytes are housed in the pe ticide calibration tandard (i e , the urrogate calibration factor obtained from the pe ticide ICAL are u ed to quantitate the field samples). For this reason, the data files associated with the pesticide calibration standards, ICVs, CCVs, etc. must be included as they provide vital information about linearity, accuracy, and quantitation of the sample surrogates.

Data reported for this dual column/detector method is reported in accordance with the laboratory SOP SA-QA-008 which states:
The default procedure given in this SOP instructs the analyst to report the highest result when the %RPD <=40% and to report the lowest result when the %RPD exceeds 40%. This guidance uses RPD to determine if matrix interference is present. If the RPD is <=40%, the results between the two columns are essentially the same, and no matrix interference is deemed present. If the RPD exceeds 40%, matrix interference is most likely present, and the lower result is reported as the default. This guidance does not prohibit reporting the higher result when the %RPD exceeds 40; however, this guidance is intended to preclude reporting clearly unreasonable data. It is this laboratory's experience that a majority of matrix interferences are positive and that reporting the lower of the two results is reasonable when the %RPD exceeds 40.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO Cuba / Site Investigation

TestAmerica Job ID: 680-118004-1
SDG: GTM09

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-118004-1	AV32PC01	Solid	10/10/15 15:20	10/17/15 09:45
680-118004-2	AV32PC02	Solid	10/10/15 15:25	10/17/15 09:45
680-118004-3	AV32PC03	Solid	10/10/15 15:36	10/17/15 09:45

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO Cuba / Site Investigation

TestAmerica Job ID: 680-118004-1
SDG: GTM09

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by GC	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Earth Toxics, Inc
Project/Site: GTMO Cuba / Site Investigation

TestAmerica Job ID: 680-118004-1
SDG: GTM09

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AV32PC01

Lab Sample ID: 680-118004-1

Date Collected: 10/10/15 15:20
Matrix: Solid
Date Received: 10/17/15 09:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1016	0.067	U	0.096	0.067	0.032	mg/Kg		10/22/15 18:36	1
PCB-1221	0.087	U	0.096	0.087	0.043	mg/Kg		10/22/15 18:36	1
PCB-1232	0.038	U	0.096	0.038	0.015	mg/Kg		10/22/15 18:36	1
PCB-1242	0.038	U	0.096	0.038	0.014	mg/Kg		10/22/15 18:36	1
PCB-1248	0.058	U	0.096	0.058	0.024	mg/Kg		10/22/15 18:36	1
PCB-1254	0.087	U	0.096	0.087	0.029	mg/Kg		10/22/15 18:36	1
PCB-1260	**0.64**		0.096	0.067	0.028	mg/Kg		10/22/15 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*44 - 129*	*10/22/15 11:40*	*10/22/15 18:36*	*1*
Tetrachloro-m-xylene	*88*		*46 - 130*	*10/22/15 11:40*	*10/22/15 18:36*	*1*

Client Sample ID: AV32PC02

Lab Sample ID: 680-118004-2

Date Collected: 10/10/15 15:25
Matrix: Solid
Date Received: 10/17/15 09:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1016	0.067	U	0.097	0.067	0.032	mg/Kg		10/22/15 18:50	1
PCB-1221	0.088	U	0.097	0.088	0.044	mg/Kg		10/22/15 18:50	1
PCB-1232	0.038	U	0.097	0.038	0.015	mg/Kg		10/22/15 18:50	1
PCB-1242	0.038	U	0.097	0.038	0.015	mg/Kg		10/22/15 18:50	1
PCB-1248	0.059	U	0.097	0.059	0.024	mg/Kg		10/22/15 18:50	1
PCB-1254	0.088	U	0.097	0.088	0.029	mg/Kg		10/22/15 18:50	1
PCB-1260	**0.31**		0.097	0.067	0.028	mg/Kg		10/22/15 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*44 - 129*	*10/22/15 11:40*	*10/22/15 18:50*	*1*
Tetrachloro-m-xylene	*98*		*46 - 130*	*10/22/15 11:40*	*10/22/15 18:50*	*1*

Client Sample ID: AV32PC03

Lab Sample ID: 680-118004-3

Date Collected: 10/10/15 15:36
Matrix: Solid
Date Received: 10/17/15 09:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1016	0.068	U	0.097	0.068	0.032	mg/Kg		10/22/15 19:04	1
PCB-1221	0.089	U	0.097	0.089	0.044	mg/Kg		10/22/15 19:04	1
PCB-1232	0.038	U	0.097	0.038	0.015	mg/Kg		10/22/15 19:04	1
PCB-1242	0.038	U	0.097	0.038	0.015	mg/Kg		10/22/15 19:04	1
PCB-1248	0.059	U	0.097	0.059	0.024	mg/Kg		10/22/15 19:04	1
PCB-1254	0.089	U	0.097	0.089	0.030	mg/Kg		10/22/15 19:04	1
PCB-1260	**0.58**		0.097	0.068	0.028	mg/Kg		10/22/15 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*44 - 129*	*10/22/15 11:40*	*10/22/15 19:04*	*1*
Tetrachloro-m-xylene	*80*		*46 - 130*	*10/22/15 11:40*	*10/22/15 19:04*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Lab Sample ID: MB 680-406856/8-A
Matrix: Solid
Analysis Batch: 406989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406856

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1016	0.022	U	0.032	0.022	0.011	mg/Kg		10/22/15 17:10	1
PCB-1221	0.029	U	0.032	0.029	0.015	mg/Kg		10/22/15 17:10	1
PCB-1232	0.013	U	0.032	0.013	0.0051	mg/Kg		10/22/15 17:10	1
PCB-1242	0.013	U	0.032	0.013	0.0049	mg/Kg		10/22/15 17:10	1
PCB-1248	0.019	U	0.032	0.019	0.0080	mg/Kg		10/22/15 17:10	1
PCB-1254	0.029	U	0.032	0.029	0.0097	mg/Kg		10/22/15 17:10	1
PCB-1260	0.022	U	0.032	0.022	0.0093	mg/Kg		10/22/15 17:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*44 - 129*	*10/22/15 11:40*	*10/22/15 17:10*	*1*
Tetrachloro-m-xylene	*83*		*46 - 130*	*10/22/15 11:40*	*10/22/15 17:10*	*1*

Lab Sample ID: LCS 680-406856/9-A
Matrix: Solid
Analysis Batch: 406989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.388	0.337		mg/Kg		87	47 - 134
PCB-1260	0.388	0.361		mg/Kg		93	53 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*44 - 129*
Tetrachloro-m-xylene	*82*		*46 - 130*

QC Association Summary

Client: Earth Toxics, Inc
Project/Site: GTMO Cuba / Site Investigation

TestAmerica Job ID: 680-118004-1
SDG: GTM09

GC Semi VOA

Prep Batch: 406856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118004-1	AV32PC01	Total/NA	Solid	3546	
680-118004-2	AV32PC02	Total/NA	Solid	3546	
680-118004-3	AV32PC03	Total/NA	Solid	3546	
LCS 680-406856/9-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406856/8-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 406989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118004-1	AV32PC01	Total/NA	Solid	8082A	406856
680-118004-2	AV32PC02	Total/NA	Solid	8082A	406856
680-118004-3	AV32PC03	Total/NA	Solid	8082A	406856
LCS 680-406856/9-A	Lab Control Sample	Total/NA	Solid	8082A	406856
MB 680-406856/8-A	Method Blank	Total/NA	Solid	8082A	406856

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO Cuba / Site Investigation

TestAmerica Job ID: 680-118004-1
SDG: GTM09

Client Sample ID: AV32PC01

Lab Sample ID: 680-118004-1

Date Collected: 10/10/15 15:20

Matrix: Solid

Date Received: 10/17/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			5.18 g	10 mL	406856	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8082A		1	5.18 g	10 mL	406989	10/22/15 18:36	JCK	TAL SAV
	Instrument ID: CSGAA									

Client Sample ID: AV32PC02

Lab Sample ID: 680-118004-2

Date Collected: 10/10/15 15:25

Matrix: Solid

Date Received: 10/17/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			5.12 g	10 mL	406856	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8082A		1	5.12 g	10 mL	406989	10/22/15 18:50	JCK	TAL SAV
	Instrument ID: CSGAA									

Client Sample ID: AV32PC03

Lab Sample ID: 680-118004-3

Date Collected: 10/10/15 15:36

Matrix: Solid

Date Received: 10/17/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			5.08 g	10 mL	406856	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8082A		1	5.08 g	10 mL	406989	10/22/15 19:04	JCK	TAL SAV
	Instrument ID: CSGAA									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 1 of 1

Project Name: Site Investigation | PO No. | Project No. | Phase

Site Location: GTMO Cuba

CTO No. JMB5 | RC Project Manager: Paul Stoddard

Sampler/Site Phone# Ben Brantley

Lab Name: Test America | Turnaround Time(specify):

Sample Analysis Requested (*Enter number of containers for each test*)

(3)→ | Total No. of Containers | PCBs | Extra Volume for MS/MSD | HOLD

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	PCBs	Extra Volume for MS/MSD	HOLD
	AV32PC01	AV32	10/10/15	1520	PC	N	NA	1	X		
	AV32PC02	AV32	10/10/15	1525	PC	N	NA	1	X		
	AV32PC03	AV32	10/10/15	1536	PC	N	NA	1	X		

680-118004 Chain of Custody

Field **Comments:**

Lab **Comments:** 680-118004

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1			1 [signature]	10/17/15	0945
2			2		
3			3	3.2/3.6	

Samples Iced?(check) Yes ✓ No ____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-118004-1
SDG Number: GTM09

Login Number: 118004
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO Cuba / Site Investigation

TestAmerica Job ID: 680-118004-1
SDG: GTM09

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

F-6
Drinking Water

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117954-1
TestAmerica Sample Delivery Group: GTM07
Client Project/Site: GTMO, Cuba / N.S. GTMO-AOP
Revision: 1

For:
Earth Toxics, Inc
PO Box 3382
Logan, Utah 84321

Attn: Mike Dryden

Michele R Kersey

Authorized for release by:
11/10/2015 5:33:40 PM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-117954-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO, Cuba / N.S. GTMO-AOP

Report Number: 680-117954-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

REVISION

This report has been revised to incorporate a manual integration of the internal standard for samples 680-117954 -3, 680-117954 -17, and 680-117954 -18, which will provide for better quantitation of the target analytes. Previously, the internal standard integration resulted in a high biased internal standard on one column which, in turn, produced a low biased analyte concentration (below the MDL) on that column.

RECEIPT

The samples were received on 10/16/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.0º C, 3.2º C, 3.4º C, 3.4º C, 3.4º C and 4.0º C.

Receipt Exceptions

Sample volumes were received over a 2 day period due to a Federal Express delay, sample volumes were received on Friday 10/16/15 and Saturday 10/17/15.

TOTAL TRIHALOMETHANES (TTHMS)

Samples AV32DWMR (680-117954-1), AV32DWPH3 (680-117954-2), CZDW47A (680-117954-3), CZDW44A (680-117954-4), CZDW28B (680-117954-5), CZDW35A (680-117954-6), CZDW23A (680-117954-7), CZDW16A (680-117954-8), CZDW5A(D) (680-117954-9), CZDW5A (680-117954-10), CZDW10B (680-117954-11), TENTDWS2 (680-117954-12), TENTDWL3 (680-117954-13), AW34DW1BR (680-117954-14), AW34DW2BR (680-117954-15), ELCDWPH (680-117954-16), AV29DW2BR (680-117954-17), AV29DW1BR (680-117954-18) and Trip Blank (680-117954-19) were analyzed for Total Trihalomethanes (TTHMs) in accordance with EPA Method 524.2. The samples were analyzed on 10/20/2015, 10/21/2015 and 10/22/2015.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-406464.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HALOACETIC ACIDS (HAA)

Samples AV32DWMR (680-117954-1), AV32DWPH3 (680-117954-2), CZDW47A (680-117954-3), CZDW44A (680-117954-4), CZDW28B (680-117954-5), CZDW35A (680-117954-6), CZDW23A (680-117954-7), CZDW16A (680-117954-8), CZDW5A(D) (680-117954-9), CZDW5A (680-117954-10), CZDW10B (680-117954-11), TENTDWS2 (680-117954-12), TENTDWL3 (680-117954-13), AW34DW1BR (680-117954-14), AW34DW2BR (680-117954-15), ELCDWPH (680-117954-16), AV29DW2BR (680-117954-17) and AV29DW1BR (680-117954-18) were analyzed for Haloacetic Acids (HAA) in accordance with EPA Method 552.2. The samples were prepared on 10/19/2015 and 10/20/2015 and analyzed on 10/20/2015.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Job ID: 680-117954-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Data reported for this dual column/detector method is reported in accordance with the laboratory SOP SA-QA-008 which states:
The default procedure given in this SOP instructs the analyst to report the highest result when the %RPD <=40% and to report the lowest result when the %RPD exceeds 40%. This guidance uses RPD to determine if matrix interference is present. If the RPD is <=40%, the results between the two columns are essentially the same, and no matrix interference is deemed present. If the RPD exceeds 40%, matrix interference is most likely present, and the lower result is reported as the default. This guidance does not prohibit reporting the higher result when the %RPD exceeds 40; however, this guidance is intended to preclude reporting clearly unreasonable data. It is this laboratory's experience that a majority of matrix interferences are positive and that reporting the lower of the two results is reasonable when the %RPD exceeds 40.

Internal standard (ISTD) response for the following samples exceeded the control limit on Column one: CZDW47A (680-117954-3), CZDW23A (680-117954-7) and AV29DW2BR (680-117954-17). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria.

Internal standard (ISTD) response for the following sample exceeded the control limit on Column one: AV29DW1BR (680-117954-18). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria.

Surrogate recovery for the following samples was outside control limits: AV32DWPH3 (680-117954-2), CZDW47A (680-117954-3), CZDW35A (680-117954-6), CZDW23A (680-117954-7), CZDW23A (680-117954-7[MSD]), CZDW16A (680-117954-8), CZDW5A (680-117954-10), CZDW10B (680-117954-11), ELCDWPH (680-117954-16) and AV29DW2BR (680-117954-17), TENTDWL3 (680-117954-13), AW34DW2BR (680-117954-15), AV29DW1BR (680-117954-18), (680-117954-E-18-B MS) and (680-117954-E-18-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Monochloroacetic acid exceeded the recovery criteria low for the MS and MSD of sample AV29DW1BR (680-117954-18) in batch 680-406565.

Monochloroacetic acid exceeded the recovery criteria low for the MS and MSD of sample CZDW23A (680-117954-7) in batch 680-406410. Monochloroacetic acid exceeded the RPD limit.

The internal standard 1,2,3-Trichloropropane peak was split at the request of the DM: AV29DW1BR (680-117954-18), CZDW23A (680-117954-7), and AV29DW2BR (680-117954-17)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL HALOACETIC ACIDS (THAA)

Samples AV32DWMR (680-117954-1), AV32DWPH3 (680-117954-2), CZDW47A (680-117954-3), CZDW44A (680-117954-4), CZDW28B (680-117954-5), CZDW35A (680-117954-6), CZDW23A (680-117954-7), CZDW16A (680-117954-8), CZDW5A(D) (680-117954-9), CZDW5A (680-117954-10), CZDW10B (680-117954-11), TENTDWS2 (680-117954-12), TENTDWL3 (680-117954-13), AW34DW1BR (680-117954-14), AW34DW2BR (680-117954-15), ELCDWPH (680-117954-16), AV29DW2BR (680-117954-17) and AV29DW1BR (680-117954-18) were analyzed for Total Haloacetic Acids (THAA) in accordance with EPA Method 552.2. The samples were analyzed on 10/20/2015.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117954-1	AV32DWMR	Water	10/11/15 14:30	10/16/15 09:45
680-117954-2	AV32DWPH3	Water	10/11/15 15:10	10/16/15 09:45
680-117954-3	CZDW47A	Water	10/11/15 16:15	10/16/15 09:45
680-117954-4	CZDW44A	Water	10/11/15 16:55	10/16/15 09:45
680-117954-5	CZDW28B	Water	10/11/15 17:30	10/16/15 09:45
680-117954-6	CZDW35A	Water	10/11/15 17:45	10/16/15 09:45
680-117954-7	CZDW23A	Water	10/11/15 18:20	10/16/15 09:45
680-117954-8	CZDW16A	Water	10/11/15 18:40	10/16/15 09:45
680-117954-9	CZDW5A(D)	Water	10/11/15 19:00	10/16/15 09:45
680-117954-10	CZDW5A	Water	10/11/15 19:10	10/16/15 09:45
680-117954-11	CZDW10B	Water	10/11/15 19:35	10/16/15 09:45
680-117954-12	TENTDWS2	Water	10/12/15 16:20	10/16/15 09:45
680-117954-13	TENTDWL3	Water	10/12/15 16:45	10/16/15 09:45
680-117954-14	AW34DW1BR	Water	10/13/15 15:35	10/16/15 09:45
680-117954-15	AW34DW2BR	Water	10/13/15 15:25	10/16/15 09:45
680-117954-16	ELCDWPH	Water	10/13/15 17:45	10/16/15 09:45
680-117954-17	AV29DW2BR	Water	10/13/15 20:25	10/16/15 09:45
680-117954-18	AV29DW1BR	Water	10/13/15 20:35	10/16/15 09:45
680-117954-19	Trip Blank	Water	10/14/15 22:00	10/16/15 09:45

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Method	Method Description	Protocol	Laboratory
524.2	Total Trihalomethane Calculation	EPA-DW	TAL SAV
552.2	Haloacetic Acids (HAAs) (GC)	EPA	TAL SAV
552.2	Total Haloacetic Acids (GC)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

GC Semi VOA

Qualifier	Qualifier Description
M	Manual integrated compound.
U	Undetected at the Limit of Detection.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
Q	One or more quality control criteria failed.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AV32DWMR

Lab Sample ID: 680-117954-1

Date Collected: 10/11/15 14:30
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**35**		0.50	0.50	0.17	ug/L		10/20/15 18:33	1
Chlorodibromomethane	**4.7**		0.50	0.25	0.13	ug/L		10/20/15 18:33	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/20/15 18:33	1
Dichlorobromomethane	**0.99**		0.50	0.25	0.079	ug/L		10/20/15 18:33	1
Trihalomethanes, Total	**41**		0.50	0.50	0.079	ug/L		10/20/15 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*10/20/15 18:33*	*1*
1,2-Dichlorobenzene-d4	*95*		*70 - 130*		*10/20/15 18:33*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 02:30	1
Monobromoacetic acid	**1.4**	**J**	1.0	0.75	0.75	ug/L		10/20/15 02:30	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 02:30	1
Dibromoacetic acid	**7.6**		1.0	0.38	0.38	ug/L		10/20/15 02:30	1
Trichloroacetic acid	0.38	U M	1.0	0.38	0.38	ug/L		10/20/15 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*128*	*M*	*70 - 130*	*10/19/15 09:18*	*10/20/15 02:30*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**9.1**		1.0	0.38	0.38	ug/L		10/20/15 02:30	1

Client Sample ID: AV32DWPH3

Lab Sample ID: 680-117954-2

Date Collected: 10/11/15 15:10
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**43**		0.50	0.50	0.17	ug/L		10/20/15 18:55	1
Chlorodibromomethane	**6.0**		0.50	0.25	0.13	ug/L		10/20/15 18:55	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/20/15 18:55	1
Dichlorobromomethane	**1.2**		0.50	0.25	0.079	ug/L		10/20/15 18:55	1
Trihalomethanes, Total	**50**		0.50	0.50	0.079	ug/L		10/20/15 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*10/20/15 18:55*	*1*
1,2-Dichlorobenzene-d4	*90*		*70 - 130*		*10/20/15 18:55*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 02:46	1
Monobromoacetic acid	**1.8**	**M**	1.0	0.75	0.75	ug/L		10/20/15 02:46	1
Dichloroacetic acid	0.98	U	1.0	0.98	0.98	ug/L		10/20/15 02:46	1
Dibromoacetic acid	**11**		1.0	0.38	0.38	ug/L		10/20/15 02:46	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*132*	*M Q*	*70 - 130*	*10/19/15 09:18*	*10/20/15 02:46*	*1*

Client Sample ID: AV32DWPH3

Lab Sample ID: 680-117954-2
Date Collected: 10/11/15 15:10
Matrix: Water
Date Received: 10/16/15 09:45

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**13**		1.0	0.38	0.38	ug/L		10/20/15 02:46	1

Client Sample ID: CZDW47A

Lab Sample ID: 680-117954-3
Date Collected: 10/11/15 16:15
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**36**		0.50	0.50	0.17	ug/L		10/20/15 19:15	1
Chlorodibromomethane	**9.6**		0.50	0.25	0.13	ug/L		10/20/15 19:15	1
Chloroform	**0.80**		0.50	0.50	0.20	ug/L		10/20/15 19:15	1
Dichlorobromomethane	**3.0**		0.50	0.25	0.079	ug/L		10/20/15 19:15	1
Trihalomethanes, Total	**49**		0.50	0.50	0.079	ug/L		10/20/15 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*10/20/15 19:15*	*1*
1,2-Dichlorobenzene-d4	*89*		*70 - 130*		*10/20/15 19:15*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 03:03	1
Monobromoacetic acid	**3.1**	**J M**	1.0	0.75	0.75	ug/L		10/20/15 03:03	1
Dichloroacetic acid	**1.2**	**M**	1.0	0.98	0.98	ug/L		10/20/15 03:03	1
Dibromoacetic acid	**13**		1.0	0.38	0.38	ug/L		10/20/15 03:03	1
Trichloroacetic acid	0.38	U M	1.0	0.38	0.38	ug/L		10/20/15 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*112*	*J*	*70 - 130*	*10/19/15 09:18*	*10/20/15 03:03*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**17**		1.0	0.38	0.38	ug/L		10/20/15 03:03	1

Client Sample ID: CZDW44A

Lab Sample ID: 680-117954-4
Date Collected: 10/11/15 16:55
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**35**		0.50	0.50	0.17	ug/L		10/20/15 19:35	1
Chlorodibromomethane	**7.7**		0.50	0.25	0.13	ug/L		10/20/15 19:35	1
Chloroform	**0.55**		0.50	0.50	0.20	ug/L		10/20/15 19:35	1
Dichlorobromomethane	**2.3**		0.50	0.25	0.079	ug/L		10/20/15 19:35	1
Trihalomethanes, Total	**46**		0.50	0.50	0.079	ug/L		10/20/15 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*10/20/15 19:35*	*1*
1,2-Dichlorobenzene-d4	*98*		*70 - 130*		*10/20/15 19:35*	*1*

Client Sample ID: CZDW44A

Lab Sample ID: 680-117954-4
Date Collected: 10/11/15 16:55
Matrix: Water
Date Received: 10/16/15 09:45

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 03:19	1
Monobromoacetic acid	**4.3**	**J**	1.0	0.75	0.75	ug/L		10/20/15 03:19	1
Dichloroacetic acid	0.98	U	1.0	0.98	0.98	ug/L		10/20/15 03:19	1
Dibromoacetic acid	**13**		1.0	0.38	0.38	ug/L		10/20/15 03:19	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*101*	*J*	*70 - 130*	*10/19/15 09:18*	*10/20/15 03:19*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**17**		1.0	0.38	0.38	ug/L		10/20/15 03:19	1

Client Sample ID: CZDW28B

Lab Sample ID: 680-117954-5
Date Collected: 10/11/15 17:30
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**39**		0.50	0.50	0.17	ug/L		10/20/15 19:55	1
Chlorodibromomethane	**10**		0.50	0.25	0.13	ug/L		10/20/15 19:55	1
Chloroform	**0.90**		0.50	0.50	0.20	ug/L		10/20/15 19:55	1
Dichlorobromomethane	**3.4**		0.50	0.25	0.079	ug/L		10/20/15 19:55	1
Trihalomethanes, Total	**53**		0.50	0.50	0.079	ug/L		10/20/15 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*10/20/15 19:55*	*1*
1,2-Dichlorobenzene-d4	*96*		*70 - 130*		*10/20/15 19:55*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 03:36	1
Monobromoacetic acid	**2.6**	**J M**	1.0	0.75	0.75	ug/L		10/20/15 03:36	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 03:36	1
Dibromoacetic acid	**9.3**	**M**	1.0	0.38	0.38	ug/L		10/20/15 03:36	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*108*	*J*	*70 - 130*	*10/19/15 09:18*	*10/20/15 03:36*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**12**		1.0	0.38	0.38	ug/L		10/20/15 03:36	1

Client Sample ID: CZDW35A

Lab Sample ID: 680-117954-6
Date Collected: 10/11/15 17:45
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**46**		0.50	0.50	0.17	ug/L		10/20/15 20:15	1

Client Sample ID: CZDW35A

Lab Sample ID: 680-117954-6

Date Collected: 10/11/15 17:45
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorodibromomethane	6.5		0.50	0.25	0.13	ug/L		10/20/15 20:15	1
Chloroform	0.40	J	0.50	0.50	0.20	ug/L		10/20/15 20:15	1
Dichlorobromomethane	1.2		0.50	0.25	0.079	ug/L		10/20/15 20:15	1
Trihalomethanes, Total	54		0.50	0.50	0.079	ug/L		10/20/15 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*10/20/15 20:15*	*1*
1,2-Dichlorobenzene-d4	*93*		*70 - 130*		*10/20/15 20:15*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 03:52	1
Monobromoacetic acid	2.0	J M	1.0	0.75	0.75	ug/L		10/20/15 03:52	1
Dichloroacetic acid	0.98	U	1.0	0.98	0.98	ug/L		10/20/15 03:52	1
Dibromoacetic acid	14	M	1.0	0.38	0.38	ug/L		10/20/15 03:52	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*131*	*M Q*	*70 - 130*	*10/19/15 09:18*	*10/20/15 03:52*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	16		1.0	0.38	0.38	ug/L		10/20/15 03:52	1

Client Sample ID: CZDW23A

Lab Sample ID: 680-117954-7

Date Collected: 10/11/15 18:20
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	49		0.50	0.50	0.17	ug/L		10/20/15 20:35	1
Chlorodibromomethane	13		0.50	0.25	0.13	ug/L		10/20/15 20:35	1
Chloroform	0.83		0.50	0.50	0.20	ug/L		10/20/15 20:35	1
Dichlorobromomethane	3.3		0.50	0.25	0.079	ug/L		10/20/15 20:35	1
Trihalomethanes, Total	66		0.50	0.50	0.079	ug/L		10/20/15 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*10/20/15 20:35*	*1*
4-Bromofluorobenzene	*95*		*70 - 130*		*10/21/15 14:51*	*1*
1,2-Dichlorobenzene-d4	*93*		*70 - 130*		*10/20/15 20:35*	*1*
1,2-Dichlorobenzene-d4	*97*		*70 - 130*		*10/21/15 14:51*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U J	1.0	0.98	0.40	ug/L		10/20/15 00:03	1
Monobromoacetic acid	1.8	J M	1.0	0.75	0.75	ug/L		10/20/15 00:03	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 00:03	1
Dibromoacetic acid	11	M	1.0	0.38	0.38	ug/L		10/20/15 00:03	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 00:03	1

Client Sample ID: CZDW23A

Lab Sample ID: 680-117954-7
Date Collected: 10/11/15 18:20
Matrix: Water
Date Received: 10/16/15 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,3-Dibromopropionic acid	152	M Q	70 - 130	10/19/15 09:18	10/20/15 00:03	1

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**13**		1.0	0.38	0.38	ug/L		10/20/15 00:03	1

Client Sample ID: CZDW16A

Lab Sample ID: 680-117954-8
Date Collected: 10/11/15 18:40
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**53**		0.50	0.50	0.17	ug/L		10/20/15 20:54	1
Chlorodibromomethane	**14**		0.50	0.25	0.13	ug/L		10/20/15 20:54	1
Chloroform	**0.95**		0.50	0.50	0.20	ug/L		10/20/15 20:54	1
Dichlorobromomethane	**3.6**		0.50	0.25	0.079	ug/L		10/20/15 20:54	1
Trihalomethanes, Total	**72**		0.50	0.50	0.079	ug/L		10/20/15 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		10/20/15 20:54	1
1,2-Dichlorobenzene-d4	98		70 - 130		10/20/15 20:54	1

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 04:08	1
Monobromoacetic acid	**1.9**	**J M**	1.0	0.75	0.75	ug/L		10/20/15 04:08	1
Dichloroacetic acid	**1.1**	**M**	1.0	0.98	0.98	ug/L		10/20/15 04:08	1
Dibromoacetic acid	**12**	**M**	1.0	0.38	0.38	ug/L		10/20/15 04:08	1
Trichloroacetic acid	0.38	U M	1.0	0.38	0.38	ug/L		10/20/15 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,3-Dibromopropionic acid	145	M Q	70 - 130	10/19/15 09:18	10/20/15 04:08	1

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**15**		1.0	0.38	0.38	ug/L		10/20/15 04:08	1

Client Sample ID: CZDW5A(D)

Lab Sample ID: 680-117954-9
Date Collected: 10/11/15 19:00
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**53**		0.50	0.50	0.17	ug/L		10/20/15 21:14	1
Chlorodibromomethane	**13**		0.50	0.25	0.13	ug/L		10/20/15 21:14	1
Chloroform	**0.82**		0.50	0.50	0.20	ug/L		10/20/15 21:14	1
Dichlorobromomethane	**3.3**		0.50	0.25	0.079	ug/L		10/20/15 21:14	1
Trihalomethanes, Total	**70**		0.50	0.50	0.079	ug/L		10/20/15 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130		10/20/15 21:14	1
1,2-Dichlorobenzene-d4	101		70 - 130		10/20/15 21:14	1

Client Sample ID: CZDW5A(D)

Lab Sample ID: 680-117954-9
Date Collected: 10/11/15 19:00
Matrix: Water
Date Received: 10/16/15 09:45

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 04:25	1
Monobromoacetic acid	**2.5**		1.0	0.75	0.75	ug/L		10/20/15 04:25	1
Dichloroacetic acid	0.98	U	1.0	0.98	0.98	ug/L		10/20/15 04:25	1
Dibromoacetic acid	**16**		1.0	0.38	0.38	ug/L		10/20/15 04:25	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*130*		*70 - 130*	*10/19/15 09:18*	*10/20/15 04:25*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**18**		1.0	0.38	0.38	ug/L		10/20/15 04:25	1

Client Sample ID: CZDW5A

Lab Sample ID: 680-117954-10
Date Collected: 10/11/15 19:10
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**52**		0.50	0.50	0.17	ug/L		10/20/15 21:34	1
Chlorodibromomethane	**13**		0.50	0.25	0.13	ug/L		10/20/15 21:34	1
Chloroform	**0.85**		0.50	0.50	0.20	ug/L		10/20/15 21:34	1
Dichlorobromomethane	**3.5**		0.50	0.25	0.079	ug/L		10/20/15 21:34	1
Trihalomethanes, Total	**69**		0.50	0.50	0.079	ug/L		10/20/15 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*10/20/15 21:34*	*1*
1,2-Dichlorobenzene-d4	*97*		*70 - 130*		*10/20/15 21:34*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 05:14	1
Monobromoacetic acid	**2.5**	**J M**	1.0	0.75	0.75	ug/L		10/20/15 05:14	1
Dichloroacetic acid	**1.2**	**M**	1.0	0.98	0.98	ug/L		10/20/15 05:14	1
Dibromoacetic acid	**14**	**M**	1.0	0.38	0.38	ug/L		10/20/15 05:14	1
Trichloroacetic acid	0.38	U M	1.0	0.38	0.38	ug/L		10/20/15 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*145*	*Q*	*70 - 130*	*10/19/15 09:18*	*10/20/15 05:14*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**18**		1.0	0.38	0.38	ug/L		10/20/15 05:14	1

Client Sample ID: CZDW10B

Lab Sample ID: 680-117954-11
Date Collected: 10/11/15 19:35
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**53**		0.50	0.50	0.17	ug/L		10/20/15 21:54	1

Client Sample ID: CZDW10B

Lab Sample ID: 680-117954-11

Date Collected: 10/11/15 19:35
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorodibromomethane	13		0.50	0.25	0.13	ug/L		10/20/15 21:54	1
Chloroform	0.85		0.50	0.50	0.20	ug/L		10/20/15 21:54	1
Dichlorobromomethane	3.6		0.50	0.25	0.079	ug/L		10/20/15 21:54	1
Trihalomethanes, Total	70		0.50	0.50	0.079	ug/L		10/20/15 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*10/20/15 21:54*	*1*
1,2-Dichlorobenzene-d4	*90*		*70 - 130*		*10/20/15 21:54*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 05:30	1
Monobromoacetic acid	2.7	J M	1.0	0.75	0.75	ug/L		10/20/15 05:30	1
Dichloroacetic acid	1.1	M	1.0	0.98	0.98	ug/L		10/20/15 05:30	1
Dibromoacetic acid	14	M	1.0	0.38	0.38	ug/L		10/20/15 05:30	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*141*	*Q*	*70 - 130*	*10/19/15 09:18*	*10/20/15 05:30*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	18		1.0	0.38	0.38	ug/L		10/20/15 05:30	1

Client Sample ID: TENTDWS2

Lab Sample ID: 680-117954-12

Date Collected: 10/12/15 16:20
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	51		0.50	0.50	0.17	ug/L		10/20/15 22:14	1
Chlorodibromomethane	14		0.50	0.25	0.13	ug/L		10/20/15 22:14	1
Chloroform	2.8		0.50	0.50	0.20	ug/L		10/20/15 22:14	1
Dichlorobromomethane	5.6		0.50	0.25	0.079	ug/L		10/20/15 22:14	1
Trihalomethanes, Total	73		0.50	0.50	0.079	ug/L		10/20/15 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*10/20/15 22:14*	*1*
1,2-Dichlorobenzene-d4	*95*		*70 - 130*		*10/20/15 22:14*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 05:47	1
Monobromoacetic acid	1.8		1.0	0.75	0.75	ug/L		10/20/15 05:47	1
Dichloroacetic acid	2.8	M	1.0	0.98	0.98	ug/L		10/20/15 05:47	1
Dibromoacetic acid	13		1.0	0.38	0.38	ug/L		10/20/15 05:47	1
Trichloroacetic acid	0.57	J	1.0	0.38	0.38	ug/L		10/20/15 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*128*		*70 - 130*	*10/19/15 09:18*	*10/20/15 05:47*	*1*

Client Sample ID: TENTDWS2

Lab Sample ID: 680-117954-12
Date Collected: 10/12/15 16:20
Matrix: Water
Date Received: 10/16/15 09:45

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**18**		1.0	0.38	0.38	ug/L		10/20/15 05:47	1

Client Sample ID: TENTDWL3

Lab Sample ID: 680-117954-13
Date Collected: 10/12/15 16:45
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**46**		0.50	0.50	0.17	ug/L		10/21/15 13:13	1
Chlorodibromomethane	**10**		0.50	0.25	0.13	ug/L		10/21/15 13:13	1
Chloroform	**0.76**		0.50	0.50	0.20	ug/L		10/21/15 13:13	1
Dichlorobromomethane	**2.4**		0.50	0.25	0.079	ug/L		10/21/15 13:13	1
Trihalomethanes, Total	**59**		0.50	0.50	0.079	ug/L		10/21/15 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*10/21/15 13:13*	*1*
1,2-Dichlorobenzene-d4	*97*		*70 - 130*		*10/21/15 13:13*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 20:21	1
Monobromoacetic acid	0.75	U M	1.0	0.75	0.75	ug/L		10/20/15 20:21	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 20:21	1
Dibromoacetic acid	**1.8**		1.0	0.38	0.38	ug/L		10/20/15 20:21	1
Trichloroacetic acid	0.38	U M	1.0	0.38	0.38	ug/L		10/20/15 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*133*	*Q*	*70 - 130*	*10/20/15 09:00*	*10/20/15 20:21*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**1.8**		1.0	0.38	0.38	ug/L		10/20/15 20:21	1

Client Sample ID: AW34DW1BR

Lab Sample ID: 680-117954-14
Date Collected: 10/13/15 15:35
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**23**		0.50	0.50	0.17	ug/L		10/22/15 15:11	1
Chlorodibromomethane	**2.7**		0.50	0.25	0.13	ug/L		10/22/15 15:11	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/22/15 15:11	1
Dichlorobromomethane	**0.49**	**J**	0.50	0.25	0.079	ug/L		10/22/15 15:11	1
Trihalomethanes, Total	**26**		0.50	0.50	0.079	ug/L		10/22/15 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*10/22/15 15:11*	*1*
1,2-Dichlorobenzene-d4	*105*		*70 - 130*		*10/22/15 15:11*	*1*

Client Sample ID: AW34DW1BR

Lab Sample ID: 680-117954-14
Date Collected: 10/13/15 15:35
Matrix: Water
Date Received: 10/16/15 09:45

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 06:03	1
Monobromoacetic acid	**0.89**	**J**	1.0	0.75	0.75	ug/L		10/20/15 06:03	1
Dichloroacetic acid	0.98	U	1.0	0.98	0.98	ug/L		10/20/15 06:03	1
Dibromoacetic acid	**4.0**		1.0	0.38	0.38	ug/L		10/20/15 06:03	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*114*		*70 - 130*	*10/19/15 09:18*	*10/20/15 06:03*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**4.9**		1.0	0.38	0.38	ug/L		10/20/15 06:03	1

Client Sample ID: AW34DW2BR

Lab Sample ID: 680-117954-15
Date Collected: 10/13/15 15:25
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**26**		0.50	0.50	0.17	ug/L		10/22/15 15:31	1
Chlorodibromomethane	**2.8**		0.50	0.25	0.13	ug/L		10/22/15 15:31	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/22/15 15:31	1
Dichlorobromomethane	**0.50**		0.50	0.25	0.079	ug/L		10/22/15 15:31	1
Trihalomethanes, Total	**29**		0.50	0.50	0.079	ug/L		10/22/15 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*10/22/15 15:31*	*1*
1,2-Dichlorobenzene-d4	*108*		*70 - 130*		*10/22/15 15:31*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 20:37	1
Monobromoacetic acid	**1.1**		1.0	0.75	0.75	ug/L		10/20/15 20:37	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 20:37	1
Dibromoacetic acid	**5.3**		1.0	0.38	0.38	ug/L		10/20/15 20:37	1
Trichloroacetic acid	0.38	U M	1.0	0.38	0.38	ug/L		10/20/15 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*134*	*Q*	*70 - 130*	*10/20/15 09:00*	*10/20/15 20:37*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**6.3**		1.0	0.38	0.38	ug/L		10/20/15 20:37	1

Client Sample ID: ELCDWPH

Lab Sample ID: 680-117954-16
Date Collected: 10/13/15 17:45
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**57**		0.50	0.50	0.17	ug/L		10/22/15 15:51	1

Client Sample ID: ELCDWPH

Lab Sample ID: 680-117954-16

Date Collected: 10/13/15 17:45
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorodibromomethane	**17**		0.50	0.25	0.13	ug/L		10/22/15 15:51	1
Chloroform	**1.6**		0.50	0.50	0.20	ug/L		10/22/15 15:51	1
Dichlorobromomethane	**5.1**		0.50	0.25	0.079	ug/L		10/22/15 15:51	1
Trihalomethanes, Total	**81**		0.50	0.50	0.079	ug/L		10/22/15 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*10/22/15 15:51*	*1*
1,2-Dichlorobenzene-d4	*105*		*70 - 130*		*10/22/15 15:51*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 06:19	1
Monobromoacetic acid	0.75	U M	1.0	0.75	0.75	ug/L		10/20/15 06:19	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 06:19	1
Dibromoacetic acid	**7.0**		1.0	0.38	0.38	ug/L		10/20/15 06:19	1
Trichloroacetic acid	**0.80**	**J M**	1.0	0.38	0.38	ug/L		10/20/15 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*131*	*M Q*	*70 - 130*	*10/19/15 09:18*	*10/20/15 06:19*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**7.8**		1.0	0.38	0.38	ug/L		10/20/15 06:19	1

Client Sample ID: AV29DW2BR

Lab Sample ID: 680-117954-17

Date Collected: 10/13/15 20:25
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**42**		0.50	0.50	0.17	ug/L		10/22/15 16:11	1
Chlorodibromomethane	**8.0**		0.50	0.25	0.13	ug/L		10/22/15 16:11	1
Chloroform	**0.42**	**J**	0.50	0.50	0.20	ug/L		10/22/15 16:11	1
Dichlorobromomethane	**1.9**		0.50	0.25	0.079	ug/L		10/22/15 16:11	1
Trihalomethanes, Total	**52**		0.50	0.50	0.079	ug/L		10/22/15 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*10/22/15 16:11*	*1*
1,2-Dichlorobenzene-d4	*104*		*70 - 130*		*10/22/15 16:11*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 06:36	1
Monobromoacetic acid	**1.5**	**J M**	1.0	0.75	0.75	ug/L		10/20/15 06:36	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 06:36	1
Dibromoacetic acid	**8.2**	**M**	1.0	0.38	0.38	ug/L		10/20/15 06:36	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*143*	*Q*	*70 - 130*	*10/19/15 09:18*	*10/20/15 06:36*	*1*

Client Sample ID: AV29DW2BR

Lab Sample ID: 680-117954-17
Date Collected: 10/13/15 20:25
Matrix: Water
Date Received: 10/16/15 09:45

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**9.7**		1.0	0.38	0.38	ug/L		10/20/15 06:36	1

Client Sample ID: AV29DW1BR

Lab Sample ID: 680-117954-18
Date Collected: 10/13/15 20:35
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	**40**		0.50	0.50	0.17	ug/L		10/22/15 16:52	1
Chlorodibromomethane	**7.8**		0.50	0.25	0.13	ug/L		10/22/15 16:52	1
Chloroform	**0.45**	**J**	0.50	0.50	0.20	ug/L		10/22/15 16:52	1
Dichlorobromomethane	**1.8**		0.50	0.25	0.079	ug/L		10/22/15 16:52	1
Trihalomethanes, Total	**50**		0.50	0.50	0.079	ug/L		10/22/15 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*10/22/15 16:52*	*1*
1,2-Dichlorobenzene-d4	*108*		*70 - 130*		*10/22/15 16:52*	*1*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U J	1.0	0.98	0.40	ug/L		10/20/15 17:54	1
Monobromoacetic acid	**1.7**	**M J**	1.0	0.75	0.75	ug/L		10/20/15 17:54	1
Dichloroacetic acid	0.98	U M	1.0	0.98	0.98	ug/L		10/20/15 17:54	1
Dibromoacetic acid	**11**	**M**	1.0	0.38	0.38	ug/L		10/20/15 17:54	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*150*	*Q*	*70 - 130*	*10/20/15 09:00*	*10/20/15 17:54*	*1*

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Haloacetic Acids	**13**		1.0	0.38	0.38	ug/L		10/20/15 17:54	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-117954-19
Date Collected: 10/14/15 22:00
Matrix: Water
Date Received: 10/16/15 09:45

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	0.50	U	0.50	0.50	0.17	ug/L		10/22/15 12:28	1
Chlorodibromomethane	0.25	U	0.50	0.25	0.13	ug/L		10/22/15 12:28	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/22/15 12:28	1
Dichlorobromomethane	0.25	U	0.50	0.25	0.079	ug/L		10/22/15 12:28	1
Trihalomethanes, Total	0.50	U	0.50	0.50	0.079	ug/L		10/22/15 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*10/22/15 12:28*	*1*
1,2-Dichlorobenzene-d4	*102*		*70 - 130*		*10/22/15 12:28*	*1*

Method: 524.2 - Total Trihalomethane Calculation

Lab Sample ID: MB 680-406464/9
Matrix: Water
Analysis Batch: 406464

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	0.50	U	0.50	0.50	0.17	ug/L		10/20/15 16:13	1
Chlorodibromomethane	0.25	U	0.50	0.25	0.13	ug/L		10/20/15 16:13	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/20/15 16:13	1
Dichlorobromomethane	0.25	U	0.50	0.25	0.079	ug/L		10/20/15 16:13	1
Trihalomethanes, Total	0.50	U	0.50	0.50	0.079	ug/L		10/20/15 16:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*10/20/15 16:13*	*1*
1,2-Dichlorobenzene-d4	*102*		*70 - 130*		*10/20/15 16:13*	*1*

Lab Sample ID: LCS 680-406464/4
Matrix: Water
Analysis Batch: 406464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	20.0	25.8		ug/L		129	70 - 130
Chlorodibromomethane	20.0	22.8		ug/L		114	70 - 130
Chloroform	20.0	22.1		ug/L		111	70 - 130
Dichlorobromomethane	20.0	22.5		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
1,2-Dichlorobenzene-d4	*106*		*70 - 130*

Lab Sample ID: LCSD 680-406464/5
Matrix: Water
Analysis Batch: 406464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	20.0	25.2		ug/L		126	70 - 130	2	30
Chlorodibromomethane	20.0	21.8		ug/L		109	70 - 130	5	30
Chloroform	20.0	20.9		ug/L		105	70 - 130	5	30
Dichlorobromomethane	20.0	21.6		ug/L		108	70 - 130	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*70 - 130*
1,2-Dichlorobenzene-d4	*107*		*70 - 130*

Lab Sample ID: MB 680-406618/13
Matrix: Water
Analysis Batch: 406618

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	0.50	U	0.50	0.50	0.17	ug/L		10/21/15 12:20	1
Chlorodibromomethane	0.25	U	0.50	0.25	0.13	ug/L		10/21/15 12:20	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/21/15 12:20	1
Dichlorobromomethane	0.25	U	0.50	0.25	0.079	ug/L		10/21/15 12:20	1

Method: 524.2 - Total Trihalomethane Calculation (Continued)

Lab Sample ID: MB 680-406618/13
Matrix: Water
Analysis Batch: 406618

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Trihalomethanes, Total	0.50	U	0.50	0.50	0.079	ug/L		10/21/15 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*70 - 130*		*10/21/15 12:20*	*1*
1,2-Dichlorobenzene-d4	*109*		*70 - 130*		*10/21/15 12:20*	*1*

Lab Sample ID: LCS 680-406618/4
Matrix: Water
Analysis Batch: 406618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	20.0	23.1		ug/L		115	70 - 130
Chlorodibromomethane	20.0	21.4		ug/L		107	70 - 130
Chloroform	20.0	21.8		ug/L		109	70 - 130
Dichlorobromomethane	20.0	22.1		ug/L		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
1,2-Dichlorobenzene-d4	*106*		*70 - 130*

Lab Sample ID: LCSD 680-406618/8
Matrix: Water
Analysis Batch: 406618

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	20.0	23.6		ug/L		118	70 - 130	2	30
Chlorodibromomethane	20.0	22.1		ug/L		110	70 - 130	3	30
Chloroform	20.0	22.2		ug/L		111	70 - 130	2	30
Dichlorobromomethane	20.0	22.5		ug/L		113	70 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*70 - 130*
1,2-Dichlorobenzene-d4	*110*		*70 - 130*

Lab Sample ID: 680-117954-7 MS
Matrix: Water
Analysis Batch: 406618

Client Sample ID: CZDW23A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	49		50.0	109	J	ug/L		120	70 - 130
Chlorodibromomethane	13		50.0	65.7		ug/L		106	70 - 130
Chloroform	0.80		50.0	51.9		ug/L		102	70 - 130
Dichlorobromomethane	3.2		50.0	59.5		ug/L		113	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
1,2-Dichlorobenzene-d4	*107*		*70 - 130*

Method: 524.2 - Total Trihalomethane Calculation (Continued)

Lab Sample ID: 680-117954-7 MSD
Matrix: Water
Analysis Batch: 406618

Client Sample ID: CZDW23A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	49		50.0	107	J	ug/L		115	70 - 130	2	30
Chlorodibromomethane	13		50.0	65.1		ug/L		105	70 - 130	1	30
Chloroform	0.80		50.0	53.5		ug/L		105	70 - 130	3	30
Dichlorobromomethane	3.2		50.0	56.4		ug/L		106	70 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
1,2-Dichlorobenzene-d4	*97*		*70 - 130*

Lab Sample ID: MB 680-406837/9
Matrix: Water
Analysis Batch: 406837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromoform	0.50	U	0.50	0.50	0.17	ug/L		10/22/15 11:46	1
Chlorodibromomethane	0.25	U	0.50	0.25	0.13	ug/L		10/22/15 11:46	1
Chloroform	0.50	U	0.50	0.50	0.20	ug/L		10/22/15 11:46	1
Dichlorobromomethane	0.25	U	0.50	0.25	0.079	ug/L		10/22/15 11:46	1
Trihalomethanes, Total	0.50	U	0.50	0.50	0.079	ug/L		10/22/15 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*10/22/15 11:46*	*1*
1,2-Dichlorobenzene-d4	*106*		*70 - 130*		*10/22/15 11:46*	*1*

Lab Sample ID: LCS 680-406837/3
Matrix: Water
Analysis Batch: 406837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	20.0	20.0		ug/L		100	70 - 130
Chlorodibromomethane	20.0	19.9		ug/L		99	70 - 130
Chloroform	20.0	21.7		ug/L		109	70 - 130
Dichlorobromomethane	20.0	21.4		ug/L		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*113*		*70 - 130*
1,2-Dichlorobenzene-d4	*105*		*70 - 130*

Lab Sample ID: LCSD 680-406837/5
Matrix: Water
Analysis Batch: 406837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	20.0	21.6		ug/L		108	70 - 130	8	30
Chlorodibromomethane	20.0	20.6		ug/L		103	70 - 130	3	30
Chloroform	20.0	22.0		ug/L		110	70 - 130	1	30
Dichlorobromomethane	20.0	22.0		ug/L		110	70 - 130	3	30

Method: 524.2 - Total Trihalomethane Calculation (Continued)

Lab Sample ID: LCSD 680-406837/5
Matrix: Water
Analysis Batch: 406837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*116*		*70 - 130*
1,2-Dichlorobenzene-d4	*112*		*70 - 130*

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Lab Sample ID: MB 680-406280/21-A
Matrix: Water
Analysis Batch: 406410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406280

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/19/15 22:41	1
Monobromoacetic acid	0.75	U	1.0	0.75	0.75	ug/L		10/19/15 22:41	1
Dichloroacetic acid	0.98	U	1.0	0.98	0.98	ug/L		10/19/15 22:41	1
Dibromoacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/19/15 22:41	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/19/15 22:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*121*		*70 - 130*	*10/19/15 09:18*	*10/19/15 22:41*	*1*

Lab Sample ID: LCS 680-406280/22-A
Matrix: Water
Analysis Batch: 406410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Monochloroacetic acid	12.5	11.2		ug/L		89	70 - 130
Monobromoacetic acid	12.5	11.5		ug/L		92	70 - 130
Dichloroacetic acid	12.5	11.8		ug/L		95	70 - 130
Dibromoacetic acid	12.5	12.8		ug/L		102	70 - 130
Trichloroacetic acid	12.5	13.3		ug/L		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,3-Dibromopropionic acid	*120*		*70 - 130*

Lab Sample ID: 680-117954-7 MS
Matrix: Water
Analysis Batch: 406410

Client Sample ID: CZDW23A
Prep Type: Total/NA
Prep Batch: 406280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Monochloroacetic acid	0.98	U J	12.5	5.64	J	ug/L		45	70 - 130
Monobromoacetic acid	1.8	J M	12.5	12.0		ug/L		82	70 - 130
Dichloroacetic acid	0.98	U M	12.5	10.6	M	ug/L		85	70 - 130
Dibromoacetic acid	11	M	12.5	23.5	M	ug/L		97	70 - 130
Trichloroacetic acid	0.38	U	12.5	11.8	M	ug/L		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,3-Dibromopropionic acid	*119*	*M*	*70 - 130*

Method: 552.2 - Haloacetic Acids (HAAs) (GC) (Continued)

Lab Sample ID: 680-117954-7 MSD
Matrix: Water
Analysis Batch: 406410

Client Sample ID: CZDW23A
Prep Type: Total/NA
Prep Batch: 406280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Monochloroacetic acid	0.98	U J	12.5	7.82	J M	ug/L		63	70 - 130	32	30
Monobromoacetic acid	1.8	J M	12.5	14.4		ug/L		100	70 - 130	18	30
Dichloroacetic acid	0.98	U M	12.5	11.9	M	ug/L		95	70 - 130	12	30
Dibromoacetic acid	11	M	12.5	22.8	M	ug/L		92	70 - 130	3	30
Trichloroacetic acid	0.38	U	12.5	13.3	M	ug/L		106	70 - 130	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,3-Dibromopropionic acid	*136*	*M Q*	*70 - 130*

Lab Sample ID: MB 680-406436/7-A
Matrix: Water
Analysis Batch: 406565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406436

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Monochloroacetic acid	0.98	U	1.0	0.98	0.40	ug/L		10/20/15 17:05	1
Monobromoacetic acid	0.75	U	1.0	0.75	0.75	ug/L		10/20/15 17:05	1
Dichloroacetic acid	0.98	U	1.0	0.98	0.98	ug/L		10/20/15 17:05	1
Dibromoacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 17:05	1
Trichloroacetic acid	0.38	U	1.0	0.38	0.38	ug/L		10/20/15 17:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,3-Dibromopropionic acid	*105*		*70 - 130*	*10/20/15 09:00*	*10/20/15 17:05*	*1*

Lab Sample ID: LCS 680-406436/8-A
Matrix: Water
Analysis Batch: 406565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Monochloroacetic acid	12.5	12.0		ug/L		96	70 - 130
Monobromoacetic acid	12.5	12.2		ug/L		98	70 - 130
Dichloroacetic acid	12.5	12.5		ug/L		100	70 - 130
Dibromoacetic acid	12.5	13.0		ug/L		104	70 - 130
Trichloroacetic acid	12.5	13.0		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,3-Dibromopropionic acid	*117*		*70 - 130*

Lab Sample ID: 680-117954-18 MS
Matrix: Water
Analysis Batch: 406565

Client Sample ID: AV29DW1BR
Prep Type: Total/NA
Prep Batch: 406436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Monochloroacetic acid	0.98	U J	12.5	6.24	J	ug/L		50	70 - 130
Monobromoacetic acid	1.7	M J	12.5	16.6		ug/L		119	70 - 130
Dichloroacetic acid	0.98	U M	12.5	12.5	M	ug/L		100	70 - 130
Dibromoacetic acid	11	M	12.5	23.1	M	ug/L		96	70 - 130
Trichloroacetic acid	0.38	U	12.5	13.6	M	ug/L		109	70 - 130

Method: 552.2 - Haloacetic Acids (HAAs) (GC) (Continued)

Lab Sample ID: 680-117954-18 MS
Matrix: Water
Analysis Batch: 406565

Client Sample ID: AV29DW1BR
Prep Type: Total/NA
Prep Batch: 406436

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,3-Dibromopropionic acid	*142*	*Q*	*70 - 130*

Lab Sample ID: 680-117954-18 MSD
Matrix: Water
Analysis Batch: 406565

Client Sample ID: AV29DW1BR
Prep Type: Total/NA
Prep Batch: 406436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Monochloroacetic acid	0.98	U J	12.5	5.84	J	ug/L		47	70 - 130	7	30
Monobromoacetic acid	1.7	M J	12.5	13.2	M	ug/L		92	70 - 130	23	30
Dichloroacetic acid	0.98	U M	12.5	11.5		ug/L		92	70 - 130	8	30
Dibromoacetic acid	11	M	12.5	21.5	M	ug/L		82	70 - 130	7	30
Trichloroacetic acid	0.38	U	12.5	12.4		ug/L		99	70 - 130	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,3-Dibromopropionic acid	*129*	*M*	*70 - 130*

GC/MS VOA

Analysis Batch: 406464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-1	AV32DWMR	Total/NA	Water	524.2	
680-117954-2	AV32DWPH3	Total/NA	Water	524.2	
680-117954-3	CZDW47A	Total/NA	Water	524.2	
680-117954-4	CZDW44A	Total/NA	Water	524.2	
680-117954-5	CZDW28B	Total/NA	Water	524.2	
680-117954-6	CZDW35A	Total/NA	Water	524.2	
680-117954-7	CZDW23A	Total/NA	Water	524.2	
680-117954-8	CZDW16A	Total/NA	Water	524.2	
680-117954-9	CZDW5A(D)	Total/NA	Water	524.2	
680-117954-10	CZDW5A	Total/NA	Water	524.2	
680-117954-11	CZDW10B	Total/NA	Water	524.2	
680-117954-12	TENTDWS2	Total/NA	Water	524.2	
LCS 680-406464/4	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-406464/5	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-406464/9	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 406618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-7	CZDW23A	Total/NA	Water	524.2	
680-117954-7 MS	CZDW23A	Total/NA	Water	524.2	
680-117954-7 MSD	CZDW23A	Total/NA	Water	524.2	
680-117954-13	TENTDWL3	Total/NA	Water	524.2	
LCS 680-406618/4	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-406618/8	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-406618/13	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 406837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-14	AW34DW1BR	Total/NA	Water	524.2	
680-117954-15	AW34DW2BR	Total/NA	Water	524.2	
680-117954-16	ELCDWPH	Total/NA	Water	524.2	
680-117954-17	AV29DW2BR	Total/NA	Water	524.2	
680-117954-18	AV29DW1BR	Total/NA	Water	524.2	
680-117954-19	Trip Blank	Total/NA	Water	524.2	
LCS 680-406837/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-406837/5	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-406837/9	Method Blank	Total/NA	Water	524.2	

GC Semi VOA

Prep Batch: 406280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-1	AV32DWMR	Total/NA	Water	552.2	
680-117954-2	AV32DWPH3	Total/NA	Water	552.2	
680-117954-3	CZDW47A	Total/NA	Water	552.2	
680-117954-4	CZDW44A	Total/NA	Water	552.2	
680-117954-5	CZDW28B	Total/NA	Water	552.2	
680-117954-6	CZDW35A	Total/NA	Water	552.2	
680-117954-7	CZDW23A	Total/NA	Water	552.2	
680-117954-7 MS	CZDW23A	Total/NA	Water	552.2	

GC Semi VOA (Continued)

Prep Batch: 406280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-7 MSD	CZDW23A	Total/NA	Water	552.2	
680-117954-8	CZDW16A	Total/NA	Water	552.2	
680-117954-9	CZDW5A(D)	Total/NA	Water	552.2	
680-117954-10	CZDW5A	Total/NA	Water	552.2	
680-117954-11	CZDW10B	Total/NA	Water	552.2	
680-117954-12	TENTDWS2	Total/NA	Water	552.2	
680-117954-14	AW34DW1BR	Total/NA	Water	552.2	
680-117954-16	ELCDWPH	Total/NA	Water	552.2	
680-117954-17	AV29DW2BR	Total/NA	Water	552.2	
LCS 680-406280/22-A	Lab Control Sample	Total/NA	Water	552.2	
MB 680-406280/21-A	Method Blank	Total/NA	Water	552.2	

Analysis Batch: 406410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-1	AV32DWMR	Total/NA	Water	552.2	406280
680-117954-2	AV32DWPH3	Total/NA	Water	552.2	406280
680-117954-3	CZDW47A	Total/NA	Water	552.2	406280
680-117954-4	CZDW44A	Total/NA	Water	552.2	406280
680-117954-5	CZDW28B	Total/NA	Water	552.2	406280
680-117954-6	CZDW35A	Total/NA	Water	552.2	406280
680-117954-7	CZDW23A	Total/NA	Water	552.2	406280
680-117954-7 MS	CZDW23A	Total/NA	Water	552.2	406280
680-117954-7 MSD	CZDW23A	Total/NA	Water	552.2	406280
680-117954-8	CZDW16A	Total/NA	Water	552.2	406280
680-117954-9	CZDW5A(D)	Total/NA	Water	552.2	406280
680-117954-10	CZDW5A	Total/NA	Water	552.2	406280
680-117954-11	CZDW10B	Total/NA	Water	552.2	406280
680-117954-12	TENTDWS2	Total/NA	Water	552.2	406280
680-117954-14	AW34DW1BR	Total/NA	Water	552.2	406280
680-117954-16	ELCDWPH	Total/NA	Water	552.2	406280
680-117954-17	AV29DW2BR	Total/NA	Water	552.2	406280
LCS 680-406280/22-A	Lab Control Sample	Total/NA	Water	552.2	406280
MB 680-406280/21-A	Method Blank	Total/NA	Water	552.2	406280

Prep Batch: 406436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-13	TENTDWL3	Total/NA	Water	552.2	
680-117954-15	AW34DW2BR	Total/NA	Water	552.2	
680-117954-18	AV29DW1BR	Total/NA	Water	552.2	
680-117954-18 MS	AV29DW1BR	Total/NA	Water	552.2	
680-117954-18 MSD	AV29DW1BR	Total/NA	Water	552.2	
LCS 680-406436/8-A	Lab Control Sample	Total/NA	Water	552.2	
MB 680-406436/7-A	Method Blank	Total/NA	Water	552.2	

Analysis Batch: 406565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-13	TENTDWL3	Total/NA	Water	552.2	406436
680-117954-15	AW34DW2BR	Total/NA	Water	552.2	406436
680-117954-18	AV29DW1BR	Total/NA	Water	552.2	406436
680-117954-18 MS	AV29DW1BR	Total/NA	Water	552.2	406436
680-117954-18 MSD	AV29DW1BR	Total/NA	Water	552.2	406436

GC Semi VOA (Continued)

Analysis Batch: 406565 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-406436/8-A	Lab Control Sample	Total/NA	Water	552.2	406436
MB 680-406436/7-A	Method Blank	Total/NA	Water	552.2	406436

Analysis Batch: 406568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-1	AV32DWMR	Total/NA	Water	552.2	
680-117954-2	AV32DWPH3	Total/NA	Water	552.2	
680-117954-3	CZDW47A	Total/NA	Water	552.2	
680-117954-4	CZDW44A	Total/NA	Water	552.2	
680-117954-5	CZDW28B	Total/NA	Water	552.2	
680-117954-6	CZDW35A	Total/NA	Water	552.2	
680-117954-7	CZDW23A	Total/NA	Water	552.2	
680-117954-7 MS	CZDW23A	Total/NA	Water	552.2	
680-117954-7 MSD	CZDW23A	Total/NA	Water	552.2	
680-117954-8	CZDW16A	Total/NA	Water	552.2	
680-117954-9	CZDW5A(D)	Total/NA	Water	552.2	
680-117954-10	CZDW5A	Total/NA	Water	552.2	
680-117954-11	CZDW10B	Total/NA	Water	552.2	
680-117954-12	TENTDWS2	Total/NA	Water	552.2	
680-117954-13	TENTDWL3	Total/NA	Water	552.2	
680-117954-14	AW34DW1BR	Total/NA	Water	552.2	
680-117954-15	AW34DW2BR	Total/NA	Water	552.2	
680-117954-16	ELCDWPH	Total/NA	Water	552.2	
680-117954-17	AV29DW2BR	Total/NA	Water	552.2	
680-117954-18	AV29DW1BR	Total/NA	Water	552.2	

Analysis Batch: 406715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117954-7 MS	CZDW23A	Total/NA	Water	552.2	
680-117954-7 MSD	CZDW23A	Total/NA	Water	552.2	

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Client Sample ID: AV32DWMR
Date Collected: 10/11/15 14:30
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 18:33	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 02:30	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 02:30	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AV32DWPH3
Date Collected: 10/11/15 15:10
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 18:55	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 02:46	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 02:46	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW47A
Date Collected: 10/11/15 16:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 19:15	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 03:03	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 03:03	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW44A
Date Collected: 10/11/15 16:55
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 19:35	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Client Sample ID: CZDW44A
Date Collected: 10/11/15 16:55
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 03:19	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 03:19	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW28B
Date Collected: 10/11/15 17:30
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 19:55	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 03:36	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 03:36	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW35A
Date Collected: 10/11/15 17:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 20:15	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 03:52	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 03:52	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW23A
Date Collected: 10/11/15 18:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 20:35	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Analysis	524.2		1	5 mL	5 mL	406618	10/21/15 14:51	JD1	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 00:03	JCK	TAL SAV
	Instrument ID: CSGY									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Client Sample ID: CZDW23A
Date Collected: 10/11/15 18:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	552.2		1			406568	10/20/15 00:03	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW16A
Date Collected: 10/11/15 18:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 20:54	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 04:08	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 04:08	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW5A(D)
Date Collected: 10/11/15 19:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 21:14	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 04:25	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 04:25	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CZDW5A
Date Collected: 10/11/15 19:10
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 21:34	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 05:14	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 05:14	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Client Sample ID: CZDW10B
Date Collected: 10/11/15 19:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 21:54	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 05:30	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 05:30	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: TENTDWS2
Date Collected: 10/12/15 16:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406464	10/20/15 22:14	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 05:47	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 05:47	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: TENTDWL3
Date Collected: 10/12/15 16:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406618	10/21/15 13:13	JD1	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406436	10/20/15 09:00	CMV	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406565	10/20/15 20:21	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552 2		1			406568	10/20/15 20 21	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AW34DW1BR
Date Collected: 10/13/15 15:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406837	10/22/15 15:11	JD1	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Client Sample ID: AW34DW1BR
Date Collected: 10/13/15 15:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 06:03	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 06:03	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AW34DW2BR
Date Collected: 10/13/15 15:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406837	10/22/15 15:31	JD1	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406436	10/20/15 09:00	CMV	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406565	10/20/15 20:37	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 20:37	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: ELCDWPH
Date Collected: 10/13/15 17:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406837	10/22/15 15:51	JD1	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 06:19	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 06:19	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AV29DW2BR
Date Collected: 10/13/15 20:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406837	10/22/15 16:11	JD1	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406280	10/19/15 09:18	LAF	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406410	10/20/15 06:36	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 06:36	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Client Sample ID: AV29DW1BR

Date Collected: 10/13/15 20:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406837	10/22/15 16:52	JD1	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	552.2			40 mL	4 mL	406436	10/20/15 09:00	CMV	TAL SAV
Total/NA	Analysis	552.2		1	40 mL	4 mL	406565	10/20/15 17:54	JCK	TAL SAV
	Instrument ID: CSGY									
Total/NA	Analysis	552.2		1			406568	10/20/15 17:54	GEM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: Trip Blank

Date Collected: 10/14/15 22:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117954-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	406837	10/22/15 12:28	JD1	TAL SAV
	Instrument ID: CMSU									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.	Page 1 of 2
Project Name: N.S. GTMO - AOP	PO No.
Project No. 088881781 Phase 5	
Site Location: GTMO, Cuba	
CTO No. JMB5	RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: TEST AMERICA

Turnaround Time(specify): 7 day prelim 14 day Hard

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	PCBs	Lead + Copper (NI)	HAA5 (AC)	TTHMs (ST)						Extra Volume for MS/MSD	HOLD
	~~AV32PC01~~	~~AV32~~	~~10/10/15~~	~~1520~~	~~PC~~	~~N~~	~~NA~~	~~1~~	~~X~~					BB	10/11/15				
	~~AV32PC02~~	~~AV32~~	~~10/10/15~~	~~1525~~	~~PC~~	~~N~~	~~NA~~	~~1~~	~~X~~					BB	10/11/15				
	~~AV32PC03~~	~~AV32~~	~~10/10/15~~	~~1536~~	~~PC~~	~~N~~	~~NA~~	~~1~~	~~X~~					BB	10/11/15				
	AV32DWMR	AV32	10/11/15	1430 ~~1445~~	WP	N	N	6		X	X	X							
	AV32DWPH3	AV32	10/11/15	1510	WP	N	N	6		X	X	X							
	CZDW47A	CUZCO	10/11/15	1615	WP	N	N	6		X	X	X							
	CZDW44A	CUZCO	10/11/15	1655	WP	N	N	6		X	X	X							
	CZDW28B	CUZCO	10/11/15	1730	WP	N	N	6		X	X	X							
	CZDW35A	CUZCO	10/11/15	1745	WP	N	N	6		X	X	X							
	CZDW23A	CUZCOS	10/11/15	1820	WP	N	N	18		X	X	X						X	
	CZDW16A	CUZCOS	10/11/15	1840	WP	N	N	6		X	X	X							
	CZDW5A(D)	CUZCOS	10/11/15	1900	WP	N	N	6		X	X	X							

680-117954 Chain of Custody



Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Lab **Comments:**

Delivery Details

Ni... hipment:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Bradley	10/14/15	2100	1 [illegible]	10/16/15	09:45
2			2	680-117954	
3			3		

Samples Iced?(check) Yes____ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

AC = Ammonium Chloride

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 2 of 2

Project Name: NS GTMO - AOP | PO No. | Project No. | Phase

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test.*)

CTO No. JMB5 | RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: | Turnaround Time(specify):

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	PCBs	Lead + Copper	HAAS	TTHMS							Extra Volume for MS/MSD	HOLD
								(3)→		NI	AC	ST								
	CZDW5A	CUZCOS	10/11/15	1910	WP	N	N	6		X	X	X								
	CZDW10B	CUZCOS	10/11/15	1935	WP	N	N	6		X	X	X								
	TENTDW52	TENTS	10/12/15	1620	WP	N	N	6		X	X	X								
	TENTDWL3	TENTS	10/12/15	1645	WP	N	N	6		X	X	X								
	AV34DW1BR	AV-34	10/13/15	1535	WP	N	N	6		X	X	X								
	AV34DW2BR	AV-34	10/13/15	1525	WP	N	N	6		X	X	X								
	ELCDWPIT	ELC	10/13/15	1745	WP	N	N	6		X	X	X								
	AV29DW2BR	AV-29	10/13/15	2025	WP	N	N	6		X	X	X								
	AV29DW1BR	AV-29																		

Field **Comments:**

Lab **Comments:** 680-117454

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1			1 [signature]	10/17/15	09:50
2			2		
3			3		

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

4.0/C2.5 5.6/C4.1
3.6/C2.1

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407337.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.				Job #: 680-117954-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 10/23/2015			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO, Cuba / N.S. GTMO-AOP	Project #: 68015292			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

S3

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7/200.7_P_TR (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
AW32DWMR (680-117954-1)	10/11/15	14:30 Eastern		Water			X	1	
AW32DWPH3 (680-117954-2)	10/11/15	15:10 Eastern		Water			X	1	
CZDW47A (680-117954-3)	10/11/15	16:15 Eastern		Water			X	1	
CZDW44A (680-117954-4)	10/11/15	16:55 Eastern		Water			X	1	
CZDW28B (680-117954-5)	10/11/15	17:30 Eastern		Water			X	1	
CZDW35A (680-117954-6)	10/11/15	17:45 Eastern		Water			X	1	
CZDW23A (680-117954-7)	10/11/15	18:20 Eastern		Water			X	1	
CZDW23A (680-117954-7MS)	10/11/15	18:20 Eastern	MS	Water			X	1	
CZDW23A (680-117954-7MSD)	10/11/15	18:20 Eastern	MSD	Water			X	1	
CZDW16A (680-117954-8)	10/11/15	18:40 Eastern		Water			X	1	
CZDW5A(D) (680-117954-9)	10/11/15	19:00 Eastern		Water			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/19/15 15:00	[signature]	Jacquelyn Ferrel	10/20/15 0920	TANC

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407337.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.				Job #: 680-117954-1
Address: 4101 Shuffel Street NW,	Due Date Requested: 10/23/2015			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO, Cuba / N.S. GTMO-AOP	Project #: 68015292			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

S3

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7/200.7_P_TR (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CZDW5A (680-117954-10)	10/11/15	19:10 Eastern		Water			X	1	
CZDW10B (680-117954-11)	10/11/15	19:35 Eastern		Water			X	1	
TENTDWS2 (680-117954-12)	10/12/15	16:20 Eastern		Water			X	1	
TENTDWL3 (680-117954-13)	10/12/15	16:45 Eastern		Water			X	1	
AW34DW1BR (680-117954-14)	10/13/15	15:35 Eastern		Water			X	1	
AW34DW2BR (680-117954-15)	10/13/15	15:25 Eastern		Water			X	1	
ELCDWPH (680-117954-16)	10/13/15	17:45 Eastern		Water			X	1	
AV29DW2BR (680-117954-17)	10/13/15	20:25 Eastern		Water			X	1	
AV29DW1BR (680-117954-18)	10/13/15	20:35 Eastern		Water			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: M. Wheeler	Date/Time: 10/19/15 15:00	Company: TA	Received by: Jacquelyn Ferrel	Date/Time: 10/20/15 0920	Company: TANC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica Canton Sample Receipt Form/Narrative — Login # :
Canton Facility

Client TA Savannah Site Name Cooler unpacked by: G. Jewel

Cooler Received on 10/20/15 Opened on 10/20/15

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box (Client Cooler) Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +1.0 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

~~IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

☑ See Multiple Cooler Form

IR GUN# 8 (CF -1.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2.	Were custody seals on the outside of the cooler(s)? If Yes Quantity	Yes (No)
	-Were custody seals on the outside of the cooler(s) signed & dated?	Yes No (NA)
	-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
3.	Shippers' packing slip attached to the cooler(s)?	(Yes) No
4.	Did custody papers accompany the sample(s)?	(Yes) No
5.	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6.	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)
7.	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8.	Could all bottle labels be reconciled with the COC?	(Yes) No
9.	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
10.	Sufficient quantity received to perform indicated analyses?	(Yes) No
11.	Were sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC554612
12.	Were VOAs on the COC?	Yes (No)
13.	Were air bubbles >6 mm in any VOA vials?	Yes No (NA)
14.	Was a trip blank present in the cooler(s)? Trip Blank Lot #	Yes (No)

Contacted PM Date by via Verbal Voice Mail Other

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.

Time preserved: Preservative(s) added/Lot number(s):

TestAmerica Multiple Cooler Receipt Form/Narrative — Login #:

Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	#8	4.0	2.5	ICE
↓	↓	3.6	2.1	↓
		5.6	4.1	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117954-1
SDG Number: GTM07

Login Number: 117954
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / N.S. GTMO-AOP

TestAmerica Job ID: 680-117954-1
SDG: GTM07

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

F-7
Soil

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117942-1
TestAmerica Sample Delivery Group: GTM01
Client Project/Site: GTMO, Cuba / Site Investigation
Revision: 1

For:
Earth Toxics, Inc
PO BOX 3382
Logan, Utah 84321

Attn: Mike Dryden

Authorized for release by:
11/19/2015 4:32:38 PM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-117942-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO, Cuba / Site Investigation

Report Number: 680-117942-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/16/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.0º C, 3.2º C, 3.4º C, 3.4º C, 4.0º C and 4.4º C.

Note: Report revised 11/19/15 to modify case narrative.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts. Samples 680-117942-1 through 680-117942-20 were initially analyzed at 30 grams. Due to the viscosity of the sample extracts during concentration, the final volume was set to 5mls. Any repreps for these samples were performed at a nominal 6 gram volume and reduced to 5mls during concentration to reduce the amount of matrix interference in the final extract.

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/20/2015, 11/02/2015 and 11/05/2015 and analyzed on 10/27/2015, 10/28/2015, 10/29/2015, 11/04/2015 and 11/06/2015.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for AOPSE201 (680-117942-1). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria high for AOPSG1001 (680-117942-14). 2-Fluorobiphenyl (Surr) failed the surrogate recovery criteria low for AOPSD1001 (680-117942-18). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for AOPSF1001 (680-117942-20). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for AOPSE201MS (680-117942-1MS).

Surrogate recovery for the following sample was outside control limits: AOPSE201 (680-117942-1). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

The method blank for preparation batch 680-409071 and analytical batch 680-409308 contained Bis(2-ethylhexyl) phthalate above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 680-406542 and analytical batch 680-407686 recovered outside control limits for the following analyte(s): Hexachlorocyclopentadiene. Hexachlorocyclopentadiene

Job ID: 680-117942-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 680-409071 and analytical batch 680-409308 recovered outside control limits for the following analyte(s): 2,4-Dinitrophenol and 2-Methyl-4,6-dinitrophenol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

2,4-Dinitrophenol and 2-Methyl-4,6-dinitrophenol exceeded the recovery criteria low for LCS 680-409071/15-A. Refer to the QC report for details.

2,4-Dinitrophenol, 2-Methyl-4,6-dinitrophenol, 3,3'-Dichlorobenzidine and Hexachlorocyclopentadiene exceeded the recovery criteria low for the MS of sample AOPSE201MS (680-117942-1) in batch 680-407686.

2,4-Dinitrophenol, 2-Methyl-4,6-dinitrophenol and Hexachlorocyclopentadiene exceeded the recovery criteria low for the MSD of sample AOPSE201MSD (680-117942-1) in batch 680-407686. Several analytes exceeded the RPD limit.

Manual integration was performed on the following samples: AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13) and AOPSG901 (680-117942-15).

The initial calibration verification (ICV) result for Benzaldehyde in batch 680-407686 was above the upper control limit. Associated samples did not produce detects as high as the reporting limit, and have been reported as qualified data.

Surrogate recovery for the following sample was outside the upper control limit: AOPSG1001 (680-117942-14). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Hexachlorocyclopentadiene.

The initial calibration verification (ICV) result for batch 680-408812 was above the upper control limit benzidine and benzaldehide. Sample results were non-detects, and have been reported as qualified data.

The following samples were reprepared outside of holding time due multiple surrogate failures. Both sets of data have been reported. AOPSD1001 (680-117942-18) and AOPSF1001 (680-117942-20)

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Benzaldehyde. These analytes may have a %D >50%.

Due to the nature of semivolatile GC/MS analysis, daily column maintenance is required and can result in retention time shifts. As such, the laboratory has implemented internal standard criteria of +/- 30 seconds, when compared to the mid-point standard of the initial calibration, for all field samples, batch QC items, and continuing calibration verification (CCV) standards.
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts. Samples 680-117942-1 through 680-117942-20 were initially analyzed at 30 grams. Due to the viscosity of the sample extracts during concentration, the final volume was set to 5mls. An additional dilution of 10 was performed on the final extract. Any repreps for these samples were performed at a nominal 6 gram volume and reduced to 5mls during concentration to reduce the amount of matrix interference in the final extract. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001

Job ID: 680-117942-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/21/2015 and analyzed on 10/23/2015 and 10/27/2015.

Samples AOPSE201 (680-117942-1)[10X], AOPSF201 (680-117942-2)[10X], AOPSD301 (680-117942-3)[10X], AOPSE301 (680-117942-4)[10X], AOPSE501 (680-117942-5)[10X], AOPCF101 (680-117942-6)[10X], AOPSC401 (680-117942-7)[10X], AOPSF101 (680-117942-8)[10X], AOPSD501 (680-117942-9)[10X], AOPSD401 (680-117942-10)[10X], AOPSC701 (680-117942-11)[10X], AOPSC801 (680-117942-12)[10X], AOPSG701 (680-117942-13)[10X], AOPSG1001 (680-117942-14)[10X], AOPSG901 (680-117942-15)[10X], AOPSD801 (680-117942-16)[10X], AOPSD701 (680-117942-17)[10X], AOPSD1001 (680-117942-18)[10X], AOPSG601 (680-117942-19)[10X] and AOPSF1001 (680-117942-20)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. As such, surrogate recovery for o-terphenyl was diluted below quantitation limits.

Several analytes exceeded the recovery criteria low for the MS of sample AOPSG601MS (680-117942-19) in batch 680-407637.

Several analytes exceeded the recovery criteria low for the MSD of sample AOPSG601MSD (680-117942-19) in batch 680-407637. Several analytes exceeded the RPD limit.

Due to the nature of semivolatile GC/MS analysis, daily column maintenance is required and can result in retention time shifts. As such, the laboratory has implemented internal standard criteria of +/- 30 seconds, when compared to the mid-point standard of the initial calibration, for all field samples, batch QC items, and continuing calibration verification (CCV) standards.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP-MS)

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 10/20/2015 and analyzed on 10/22/2015, 10/23/2015, 10/24/2015 and 10/26/2015.

Several analytes were detected in the following method blanks: MB 240-202751/1-A, MB 240-202768/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Samples AOPSE201 (680-117942-1)[10X], AOPSE201 (680-117942-1)[20X], AOPSF201 (680-117942-2)[10X], AOPSF201 (680-117942-2)[50X], AOPSD301 (680-117942-3)[10X], AOPSD301 (680-117942-3)[20X], AOPSE301 (680-117942-4)[10X], AOPSE501 (680-117942-5)[10X], AOPSE501 (680-117942-5)[50X], AOPCF101 (680-117942-6)[10X], AOPCF101 (680-117942-6)[50X], AOPSC401 (680-117942-7)[10X], AOPSF101 (680-117942-8)[10X], AOPSF101 (680-117942-8)[50X], AOPSD501 (680-117942-9)[10X], AOPSD501 (680-117942-9)[20X], AOPSD401 (680-117942-10)[10X], AOPSD401 (680-117942-10)[20X], AOPSC701 (680-117942-11)[10X], AOPSC801 (680-117942-12)[10X], AOPSC801 (680-117942-12)[20X], AOPSG701 (680-117942-13)[10X], AOPSG701 (680-117942-13)[20X], AOPSG1001 (680-117942-14)[10X], AOPSG1001 (680-117942-14)[20X], AOPSG901 (680-117942-15)[10X], AOPSD801 (680-117942-16)[10X], AOPSD801 (680-117942-16)[20X], AOPSD701 (680-117942-17)[10X], AOPSD701 (680-117942-17)[20X], AOPSD1001 (680-117942-18)[10X], AOPSD1001 (680-117942-18)[20X], AOPSG601 (680-117942-19)[10X], AOPSG601 (680-117942-19)[20X] and AOPSF1001 (680-117942-20)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

MERCURY

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001

Job ID: 680-117942-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 10/20/2015 and analyzed on 10/23/2015 and 10/26/2015.

Hot Block take out temperature for the following samples was below the recommended 90-95C range. Analysis of the QC show acceptable recoveries and therefore suggest sample results were unaffected: AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSF101 (680-117942-8), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19), AOPSF1001 (680-117942-20), AOPSE301 (680-117942-4), AOPSC401 (680-117942-7), AOPSD501 (680-117942-9) and AOPSC801 (680-117942-12).

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 10/17/2015 and 10/20/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117942-1	AOPSE201	Solid	10/10/15 18:00	10/17/15 09:50
680-117942-2	AOPSF201	Solid	10/10/15 17:30	10/17/15 09:50
680-117942-3	AOPSD301	Solid	10/10/15 18:15	10/17/15 09:50
680-117942-4	AOPSE301	Solid	10/10/15 17:15	10/16/15 09:45
680-117942-5	AOPSE501	Solid	10/10/15 16:30	10/17/15 09:50
680-117942-6	AOPCF101	Solid	10/10/15 17:45	10/17/15 09:50
680-117942-7	AOPSC401	Solid	10/10/15 15:30	10/16/15 09:45
680-117942-8	AOPSF101	Solid	10/10/15 17:45	10/17/15 09:50
680-117942-9	AOPSD501	Solid	10/10/15 16:00	10/16/15 09:45
680-117942-10	AOPSD401	Solid	10/10/15 15:00	10/17/15 09:50
680-117942-11	AOPSC701	Solid	10/11/15 11:20	10/18/15 09:50
680-117942-12	AOPSC801	Solid	10/11/15 11:40	10/16/15 09:45
680-117942-13	AOPSG701	Solid	10/11/15 17:40	10/17/15 09:50
680-117942-14	AOPSG1001	Solid	10/11/15 17:00	10/17/15 09:50
680-117942-15	AOPSG901	Solid	10/11/15 17:10	10/17/15 09:50
680-117942-16	AOPSD801	Solid	10/11/15 15:40	10/17/15 09:50
680-117942-17	AOPSD701	Solid	10/11/15 16:00	10/17/15 09:50
680-117942-18	AOPSD1001	Solid	10/11/15 15:20	10/17/15 09:50
680-117942-19	AOPSG601	Solid	10/11/15 17:50	10/17/15 09:50
680-117942-20	AOPSF1001	Solid	10/11/15 16:30	10/17/15 09:50

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D DOD	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
D	The reported value is from a dilution.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
Q	One or more quality control criteria failed.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
H	Sample was prepped or analyzed beyond the specified holding time
M	Manual integrated compound.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix sp ke concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix sp ke concentration; therefore, control limits are not applicable.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AOPSE201

Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1

Matrix: Solid
Percent Solids: 78.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Acenaphthylene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Anthracene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Benzo[a]anthracene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Benzo[a]pyrene	0.21	U	0.42	0.21	0.076	mg/Kg	☼	10/23/15 15:21	10
Benzo[b]fluoranthene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Benzo[g,h,i]perylene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Benzo[k]fluoranthene	0.21	U	0.42	0.21	0.13	mg/Kg	☼	10/23/15 15:21	10
Chrysene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Fluoranthene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Fluorene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Indeno[1,2,3-cd]pyrene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Dibenz(a,h)anthracene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Naphthalene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
Phenanthrene	0.21	U	0.42	0.21	0.15	mg/Kg	☼	10/23/15 15:21	10
Pyrene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10
1-Methylnaphthalene	0.21	U	0.42	0.21	0.20	mg/Kg	☼	10/23/15 15:21	10
2-Methylnaphthalene	0.42	U	0.42	0.42	0.21	mg/Kg	☼	10/23/15 15:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 15:21*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/27/15 17:41	1
Atrazine	0.42	U	2.1	0.42	0.15	mg/Kg	☼	10/27/15 17:41	1
Benzaldehyde	1.1	U Q	2.1	1.1	0.37	mg/Kg	☼	10/27/15 17:41	1
1,1'-Biphenyl	11	U	11	11	11	mg/Kg	☼	10/27/15 17:41	1
Bis(2-chloroethoxy)methane	0.42	U	2.1	0.42	0.25	mg/Kg	☼	10/27/15 17:41	1
Bis(2-chloroethyl)ether	1.1	U	2.1	1.1	0.28	mg/Kg	☼	10/27/15 17:41	1
bis (2-chloroisopropyl) ether	0.42	U	2.1	0.42	0.19	mg/Kg	☼	10/27/15 17:41	1
Bis(2-ethylhexyl) phthalate	**0.54**	**J**	2.1	0.42	0.18	mg/Kg	☼	10/27/15 17:41	1
4-Bromophenyl phenyl ether	0.42	U	2.1	0.42	0.23	mg/Kg	☼	10/27/15 17:41	1
Butyl benzyl phthalate	0.42	U	2.1	0.42	0.16	mg/Kg	☼	10/27/15 17:41	1
Caprolactam	1.1	U	2.1	1.1	0.42	mg/Kg	☼	10/27/15 17:41	1
Carbazole	0.42	U	2.1	0.42	0.19	mg/Kg	☼	10/27/15 17:41	1
4-Chloroaniline	1.1	U J	4.2	1.1	0.33	mg/Kg	☼	10/27/15 17:41	1
4-Chloro-3-methylphenol	0.42	U	2.1	0.42	0.22	mg/Kg	☼	10/27/15 17:41	1
2-Chloronaphthalene	0.42	U	2.1	0.42	0.22	mg/Kg	☼	10/27/15 17:41	1
2-Chlorophenol	0.42	U	2.1	0.42	0.25	mg/Kg	☼	10/27/15 17:41	1
4-Chlorophenyl phenyl ether	0.42	U	2.1	0.42	0.28	mg/Kg	☼	10/27/15 17:41	1
Dibenzofuran	0.42	U	2.1	0.42	0.21	mg/Kg	☼	10/27/15 17:41	1
3,3'-Dichlorobenzidine	0.42	U J	4.2	0.42	0.18	mg/Kg	☼	10/27/15 17:41	1
2,4-Dichlorophenol	0.42	U	2.1	0.42	0.22	mg/Kg	☼	10/27/15 17:41	1
Diethyl phthalate	0.42	U	2.1	0.42	0.23	mg/Kg	☼	10/27/15 17:41	1
2,4-Dimethylphenol	1.1	U	2.1	1.1	0.28	mg/Kg	☼	10/27/15 17:41	1
Dimethyl phthalate	0.42	U	2.1	0.42	0.21	mg/Kg	☼	10/27/15 17:41	1
Di-n-butyl phthalate	0.42	U	2.1	0.42	0.19	mg/Kg	☼	10/27/15 17:41	1
2-Methyl-4,6-dinitrophenol	2.1	U J	11	2.1	1.1	mg/Kg	☼	10/27/15 17:41	1
2,4-Dinitrophenol	8.2	U J	11	8.2	5.2	mg/Kg	☼	10/27/15 17:41	1

Client Sample ID: AOPSE201
Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1
Matrix: Solid
Percent Solids: 78.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.1	U J	2.1	1.1	0.31	mg/Kg	☼	10/27/15 17:41	1
2,6-Dinitrotoluene	0.42	U	2.1	0.42	0.27	mg/Kg	☼	10/27/15 17:41	1
Di-n-octyl phthalate	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/27/15 17:41	1
1,4-Dioxane	2.1	U	2.1	2.1	0.76	mg/Kg	☼	10/27/15 17:41	1
Hexachlorobenzene	0.42	U	2.1	0.42	0.25	mg/Kg	☼	10/27/15 17:41	1
Hexachlorobutadiene	0.42	U	2.1	0.42	0.23	mg/Kg	☼	10/27/15 17:41	1
Hexachlorocyclopentadiene	0.42	U Q J	2.1	0.42	0.26	mg/Kg	☼	10/27/15 17:41	1
Hexachloroethane	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/27/15 17:41	1
Isophorone	0.42	U	2.1	0.42	0.21	mg/Kg	☼	10/27/15 17:41	1
2-Methylphenol	0.42	U J	2.1	0.42	0.17	mg/Kg	☼	10/27/15 17:41	1
3 & 4 Methylphenol	0.42	U J	2.1	0.42	0.27	mg/Kg	☼	10/27/15 17:41	1
2-Nitroaniline	0.42	U	11	0.42	0.28	mg/Kg	☼	10/27/15 17:41	1
3-Nitroaniline	1.1	U J	11	1.1	0.29	mg/Kg	☼	10/27/15 17:41	1
4-Nitroaniline	1.1	U	11	1.1	0.31	mg/Kg	☼	10/27/15 17:41	1
Nitrobenzene	0.42	U	2.1	0.42	0.16	mg/Kg	☼	10/27/15 17:41	1
2-Nitrophenol	0.42	U	2.1	0.42	0.26	mg/Kg	☼	10/27/15 17:41	1
4-Nitrophenol	4.2	U	11	4.2	2.1	mg/Kg	☼	10/27/15 17:41	1
N-Nitrosodi-n-propylamine	0.42	U	2.1	0.42	0.20	mg/Kg	☼	10/27/15 17:41	1
N-Nitrosodiphenylamine	0.52	U	2.1	0.52	0.21	mg/Kg	☼	10/27/15 17:41	1
Pentachlorophenol	4.2	U J	11	4.2	2.1	mg/Kg	☼	10/27/15 17:41	1
Phenol	0.42	U J	2.1	0.42	0.21	mg/Kg	☼	10/27/15 17:41	1
1,2,4,5-Tetrachlorobenzene	0.42	U	2.1	0.42	0.20	mg/Kg	☼	10/27/15 17:41	1
2,3,4,6-Tetrachlorophenol	0.42	U	2.1	0.42	0.14	mg/Kg	☼	10/27/15 17:41	1
2,4,5-Trichlorophenol	0.42	U J	2.1	0.42	0.22	mg/Kg	☼	10/27/15 17:41	1
2,4,6-Trichlorophenol	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/27/15 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*58 - 130*	*10/20/15 17:05*	*10/27/15 17:41*	*1*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*10/20/15 17:05*	*10/27/15 17:41*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*10/20/15 17:05*	*10/27/15 17:41*	*1*
Phenol-d5 (Surr)	*62*		*49 - 130*	*10/20/15 17:05*	*10/27/15 17:41*	*1*
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/20/15 17:05*	*10/27/15 17:41*	*1*
2,4,6-Tribromophenol (Surr)	*55*	*Q*	*58 - 130*	*10/20/15 17:05*	*10/27/15 17:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.40	U H Q	1.9	0.40	0.17	mg/Kg	☼	11/06/15 15:23	1
Atrazine	0.40	U H Q	1.9	0.40	0.14	mg/Kg	☼	11/06/15 15:23	1
Benzaldehyde	1.0	U H Q	1.9	1.0	0.34	mg/Kg	☼	11/06/15 15:23	1
1,1'-Biphenyl	10	U H Q	10	10	10	mg/Kg	☼	11/06/15 15:23	1
Bis(2-chloroethoxy)methane	0.40	U H Q	1.9	0.40	0.23	mg/Kg	☼	11/06/15 15:23	1
Bis(2-chloroethyl)ether	1.0	U H Q	1.9	1.0	0.27	mg/Kg	☼	11/06/15 15:23	1
bis (2-chloroisopropyl) ether	0.40	U H Q	1.9	0.40	0.18	mg/Kg	☼	11/06/15 15:23	1
Bis(2-ethylhexyl) phthalate	**0.49**	**J H Q**	1.9	0.40	0.17	mg/Kg	☼	11/06/15 15:23	1
4-Bromophenyl phenyl ether	0.40	U H Q	1.9	0.40	0.21	mg/Kg	☼	11/06/15 15:23	1
Butyl benzyl phthalate	0.40	U H Q	1.9	0.40	0.15	mg/Kg	☼	11/06/15 15:23	1
Caprolactam	1.0	U H Q	1.9	1.0	0.39	mg/Kg	☼	11/06/15 15:23	1
Carbazole	0.40	U H Q	1.9	0.40	0.18	mg/Kg	☼	11/06/15 15:23	1
4-Chloroaniline	1.0	U H Q	3.9	1.0	0.31	mg/Kg	☼	11/06/15 15:23	1
4-Chloro-3-methylphenol	0.40	U H Q	1.9	0.40	0.21	mg/Kg	☼	11/06/15 15:23	1

Client Sample ID: AOPSE201
Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1
Matrix: Solid
Percent Solids: 78.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.40	U H Q	1.9	0.40	0.21	mg/Kg	☼	11/06/15 15:23	1
2-Chlorophenol	0.40	U H Q	1.9	0.40	0.24	mg/Kg	☼	11/06/15 15:23	1
4-Chlorophenyl phenyl ether	0.40	U H Q	1.9	0.40	0.26	mg/Kg	☼	11/06/15 15:23	1
Dibenzofuran	0.40	U H Q	1.9	0.40	0.19	mg/Kg	☼	11/06/15 15:23	1
3,3'-Dichlorobenzidine	0.40	U H Q	3.9	0.40	0.17	mg/Kg	☼	11/06/15 15:23	1
2,4-Dichlorophenol	0.40	U H Q	1.9	0.40	0.21	mg/Kg	☼	11/06/15 15:23	1
Diethyl phthalate	0.40	U H Q	1.9	0.40	0.22	mg/Kg	☼	11/06/15 15:23	1
2,4-Dimethylphenol	1.0	U H Q	1.9	1.0	0.26	mg/Kg	☼	11/06/15 15:23	1
Dimethyl phthalate	0.40	U H Q	1.9	0.40	0.20	mg/Kg	☼	11/06/15 15:23	1
Di-n-butyl phthalate	0.40	U H Q	1.9	0.40	0.18	mg/Kg	☼	11/06/15 15:23	1
2-Methyl-4,6-dinitrophenol	1.9	U H Q	10	1.9	1.0	mg/Kg	☼	11/06/15 15:23	1
2,4-Dinitrophenol	7.7	U H Q	10	7.7	4.9	mg/Kg	☼	11/06/15 15:23	1
2,4-Dinitrotoluene	1.0	U H Q	1.9	1.0	0.29	mg/Kg	☼	11/06/15 15:23	1
2,6-Dinitrotoluene	0.40	U H Q	1.9	0.40	0.25	mg/Kg	☼	11/06/15 15:23	1
Di-n-octyl phthalate	0.40	U H Q	1.9	0.40	0.17	mg/Kg	☼	11/06/15 15:23	1
1,4-Dioxane	1.9	U H Q	1.9	1.9	0.71	mg/Kg	☼	11/06/15 15:23	1
Hexachlorobenzene	0.40	U H Q	1.9	0.40	0.23	mg/Kg	☼	11/06/15 15:23	1
Hexachlorobutadiene	0.40	U H Q	1.9	0.40	0.21	mg/Kg	☼	11/06/15 15:23	1
Hexachlorocyclopentadiene	0.40	U H Q	1.9	0.40	0.24	mg/Kg	☼	11/06/15 15:23	1
Hexachloroethane	0.40	U H Q	1.9	0.40	0.17	mg/Kg	☼	11/06/15 15:23	1
Isophorone	0.40	U H Q	1.9	0.40	0.19	mg/Kg	☼	11/06/15 15:23	1
2-Methylphenol	0.40	U H Q	1.9	0.40	0.16	mg/Kg	☼	11/06/15 15:23	1
3 & 4 Methylphenol	0.40	U H Q	1.9	0.40	0.25	mg/Kg	☼	11/06/15 15:23	1
2-Nitroaniline	0.40	U H Q	10	0.40	0.27	mg/Kg	☼	11/06/15 15:23	1
3-Nitroaniline	1.0	U H Q	10	1.0	0.27	mg/Kg	☼	11/06/15 15:23	1
4-Nitroaniline	1.0	U H Q	10	1.0	0.29	mg/Kg	☼	11/06/15 15:23	1
Nitrobenzene	0.40	U H Q	1.9	0.40	0.15	mg/Kg	☼	11/06/15 15:23	1
2-Nitrophenol	0.40	U H Q	1.9	0.40	0.24	mg/Kg	☼	11/06/15 15:23	1
4-Nitrophenol	4.0	U H Q	10	4.0	1.9	mg/Kg	☼	11/06/15 15:23	1
N-Nitrosodi-n-propylamine	0.40	U H Q	1.9	0.40	0.19	mg/Kg	☼	11/06/15 15:23	1
N-Nitrosodiphenylamine	0.49	U H Q	1.9	0.49	0.19	mg/Kg	☼	11/06/15 15:23	1
Pentachlorophenol	4.0	U H Q	10	4.0	1.9	mg/Kg	☼	11/06/15 15:23	1
Phenol	0.40	U H Q	1.9	0.40	0.20	mg/Kg	☼	11/06/15 15:23	1
1,2,4,5-Tetrachlorobenzene	0.40	U H Q	1.9	0.40	0.18	mg/Kg	☼	11/06/15 15:23	1
2,3,4,6-Tetrachlorophenol	0.40	U H Q	1.9	0.40	0.13	mg/Kg	☼	11/06/15 15:23	1
2,4,5-Trichlorophenol	0.40	U H Q	1.9	0.40	0.21	mg/Kg	☼	11/06/15 15:23	1
2,4,6-Trichlorophenol	0.40	U H Q	1.9	0.40	0.17	mg/Kg	☼	11/06/15 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*58 - 130*	*11/05/15 11:36*	*11/06/15 15:23*	*1*
2-Fluorophenol (Surr)	*66*		*40 - 130*	*11/05/15 11:36*	*11/06/15 15:23*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 130*	*11/05/15 11:36*	*11/06/15 15:23*	*1*
Phenol-d5 (Surr)	*67*		*49 - 130*	*11/05/15 11:36*	*11/06/15 15:23*	*1*
Terphenyl-d14 (Surr)	*76*		*60 - 130*	*11/05/15 11:36*	*11/06/15 15:23*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*58 - 130*	*11/05/15 11:36*	*11/06/15 15:23*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**16000**	**D**	110	21	3.3	mg/Kg	☼	10/23/15 13:28	10
Antimony	**0.50**	**J D**	2.1	0.79	0.074	mg/Kg	☼	10/23/15 13:28	10

Client Sample ID: AOPSE201

Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1

Matrix: Solid
Percent Solids: 78.8

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.6	J D	5.3	0.79	0.14	mg/Kg	☼	10/23/15 13:28	10
Barium	40	D	5.3	1.6	1.2	mg/Kg	☼	10/23/15 13:28	10
Beryllium	0.25	J D	1.1	0.53	0.058	mg/Kg	☼	10/23/15 13:28	10
Cadmium	2.2	D	2.1	0.053	0.020	mg/Kg	☼	10/23/15 13:28	10
Calcium	36000	D	2100	530	120	mg/Kg	☼	10/23/15 13:28	10
Chromium	220	D	5.3	2.4	0.32	mg/Kg	☼	10/23/15 13:28	10
Cobalt	31	D	1.1	0.079	0.0090	mg/Kg	☼	10/23/15 13:28	10
Copper	62	D	4.2	1.6	0.51	mg/Kg	☼	10/23/15 13:28	10
Iron	31000	D	530	160	17	mg/Kg	☼	10/23/15 13:28	10
Lead	40	D	3.2	1.1	0.24	mg/Kg	☼	10/23/15 13:28	10
Magnesium	61000	D	2100	260	42	mg/Kg	☼	10/22/15 16:19	20
Manganese	520	D	5.3	2.1	0.63	mg/Kg	☼	10/23/15 13:28	10
Nickel	530	D	5.3	1.3	0.21	mg/Kg	☼	10/23/15 13:28	10
Potassium	1000	J D	1100	53	26	mg/Kg	☼	10/23/15 13:28	10
Selenium	0.74	J D	5.3	0.32	0.21	mg/Kg	☼	10/23/15 13:28	10
Silver	0.10	J D	1.1	0.26	0.0074	mg/Kg	☼	10/23/15 13:28	10
Sodium	170	J D	1100	210	46	mg/Kg	☼	10/23/15 13:28	10
Thallium	0.79	U	2.1	0.79	0.10	mg/Kg	☼	10/23/15 13:28	10
V	63	D	5.3	0.53	0.20	mg/Kg	☼	10/23/15 13:28	10
Zinc	110	D	42	11	2.6	mg/Kg	☼	10/23/15 13:28	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.021	J	0.12	0.041	0.017	mg/Kg	☼	10/26/15 16:26	1

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Acenaphthylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Benzo[a]anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Benzo[a]pyrene	0.11	J D	0.36	0.18	0.064	mg/Kg	☼	10/23/15 15:56	10
Benzo[b]fluoranthene	0.18	J D	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Benzo[g,h,i]perylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Benzo[k]fluoranthene	0.18	U	0.36	0.18	0.11	mg/Kg	☼	10/23/15 15:56	10
Chrysene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Fluoranthene	0.20	J D	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Fluorene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Indeno[1,2,3-cd]pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Dibenz(a,h)anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Naphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
Phenanthrene	0.18	U	0.36	0.18	0.13	mg/Kg	☼	10/23/15 15:56	10
Pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10
1-Methylnaphthalene	0.18	U	0.36	0.18	0.17	mg/Kg	☼	10/23/15 15:56	10
2-Methylnaphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 15:56	10

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 15:56*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 18:05	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 18:05	1
Benzaldehyde	0.92	U Q	1.8	0.92	0.31	mg/Kg	☼	10/27/15 18:05	1
1,1'-Biphenyl	9.2	U	9.2	9.2	9.2	mg/Kg	☼	10/27/15 18:05	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 18:05	1
Bis(2-chloroethyl)ether	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 18:05	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:05	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:05	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:05	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 18:05	1
Caprolactam	0.92	U	1.8	0.92	0.36	mg/Kg	☼	10/27/15 18:05	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:05	1
4-Chloroaniline	0.92	U	3.6	0.92	0.28	mg/Kg	☼	10/27/15 18:05	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:05	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:05	1
2-Chlorophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 18:05	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	10/27/15 18:05	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:05	1
3,3'-Dichlorobenzidine	0.36	U	3.6	0.36	0.15	mg/Kg	☼	10/27/15 18:05	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:05	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 18:05	1
2,4-Dimethylphenol	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 18:05	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:05	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:05	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.2	1.8	0.92	mg/Kg	☼	10/27/15 18:05	1
2,4-Dinitrophenol	7.0	U	9.2	7.0	4.5	mg/Kg	☼	10/27/15 18:05	1
2,4-Dinitrotoluene	0.92	U	1.8	0.92	0.26	mg/Kg	☼	10/27/15 18:05	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 18:05	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:05	1
1,4-Dioxane	1.8	U	1.8	1.8	0.65	mg/Kg	☼	10/27/15 18:05	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 18:05	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:05	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	10/27/15 18:05	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 18:05	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:05	1
2-Methylphenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 18:05	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 18:05	1
2-Nitroaniline	0.36	U	9.2	0.36	0.24	mg/Kg	☼	10/27/15 18:05	1
3-Nitroaniline	0.92	U	9.2	0.92	0.25	mg/Kg	☼	10/27/15 18:05	1
4-Nitroaniline	0.92	U	9.2	0.92	0.26	mg/Kg	☼	10/27/15 18:05	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 18:05	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 18:05	1
4-Nitrophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 18:05	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 18:05	1
N-Nitrosodiphenylamine	0.45	U	1.8	0.45	0.18	mg/Kg	☼	10/27/15 18:05	1
Pentachlorophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 18:05	1

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:05	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 18:05	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 18:05	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:05	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*	*10/20/15 17:05*	*10/27/15 18:05*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/20/15 17:05*	*10/27/15 18:05*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*	*10/20/15 17:05*	*10/27/15 18:05*	*1*
Phenol-d5 (Surr)	*59*		*49 - 130*	*10/20/15 17:05*	*10/27/15 18:05*	*1*
Terphenyl-d14 (Surr)	*62*		*60 - 130*	*10/20/15 17:05*	*10/27/15 18:05*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*58 - 130*	*10/20/15 17:05*	*10/27/15 18:05*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**8000**	**D**	96	19	3.0	mg/Kg	☼	10/23/15 13:31	10
Antimony	**0.48**	**J D**	1.9	0.72	0.067	mg/Kg	☼	10/23/15 13:31	10
Arsenic	**3.1**	**J D**	4.8	0.72	0.12	mg/Kg	☼	10/23/15 13:31	10
Barium	**150**	**D**	4.8	1.4	1.1	mg/Kg	☼	10/23/15 13:31	10
Beryllium	**0.21**	**J D**	0.96	0.48	0.053	mg/Kg	☼	10/23/15 13:31	10
Cadmium	**1.0**	**J D**	1.9	0.048	0.018	mg/Kg	☼	10/23/15 13:31	10
Calcium	**110000**	**D**	9600	2400	530	mg/Kg	☼	10/26/15 16:20	50
Chromium	**130**	**D**	4.8	2.2	0.29	mg/Kg	☼	10/23/15 13:31	10
Cobalt	**17**	**D**	0.96	0.072	0.0081	mg/Kg	☼	10/23/15 13:31	10
Copper	**37**	**D**	3.8	1.4	0.46	mg/Kg	☼	10/23/15 13:31	10
Iron	**21000**	**D**	480	140	15	mg/Kg	☼	10/23/15 13:31	10
Lead	**120**	**D**	2.9	0.96	0.22	mg/Kg	☼	10/23/15 13:31	10
Magnesium	**27000**	**D**	960	120	19	mg/Kg	☼	10/23/15 13:31	10
Manganese	**350**	**D**	4.8	1.9	0.58	mg/Kg	☼	10/23/15 13:31	10
Nickel	**240**	**D**	4.8	1.2	0.19	mg/Kg	☼	10/23/15 13:31	10
Potassium	**470**	**J D**	960	48	23	mg/Kg	☼	10/23/15 13:31	10
Selenium	**0.57**	**J D**	4.8	0.29	0.19	mg/Kg	☼	10/23/15 13:31	10
Silver	**0.20**	**J D**	0.96	0.24	0.0067	mg/Kg	☼	10/23/15 13:31	10
Sodium	**240**	**J D**	960	190	42	mg/Kg	☼	10/23/15 13:31	10
Thallium	0.72	U	1.9	0.72	0.091	mg/Kg	☼	10/23/15 13:31	10
V	**45**	**D**	4.8	0.48	0.18	mg/Kg	☼	10/23/15 13:31	10
Zinc	**210**	**D**	38	9.6	2.4	mg/Kg	☼	10/23/15 13:31	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.037**	**J**	0.11	0.038	0.016	mg/Kg	☼	10/26/15 16:33	1

Client Sample ID: AOPSD301

Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3

Matrix: Solid
Percent Solids: 91.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10

Client Sample ID: AOPSD301

Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3

Matrix: Solid
Percent Solids: 91.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Benzo[a]anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Benzo[a]pyrene	0.18	U	0.36	0.18	0.065	mg/Kg	☼	10/23/15 21:32	10
Benzo[b]fluoranthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Benzo[g,h,i]perylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Benzo[k]fluoranthene	0.18	U	0.36	0.18	0.11	mg/Kg	☼	10/23/15 21:32	10
Chrysene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Fluoranthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Fluorene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Indeno[1,2,3-cd]pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Dibenz(a,h)anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Naphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
Phenanthrene	0.18	U	0.36	0.18	0.13	mg/Kg	☼	10/23/15 21:32	10
Pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10
1-Methylnaphthalene	0.18	U	0.36	0.18	0.17	mg/Kg	☼	10/23/15 21:32	10
2-Methylnaphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 21:32*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 18:28	1
Atrazine	0.36	U	1.8	0.36	0.13	mg/Kg	☼	10/27/15 18:28	1
Benzaldehyde	0.92	U Q	1.8	0.92	0.32	mg/Kg	☼	10/27/15 18:28	1
1,1'-Biphenyl	9.2	U	9.2	9.2	9.2	mg/Kg	☼	10/27/15 18:28	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 18:28	1
Bis(2-chloroethyl)ether	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 18:28	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:28	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:28	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 18:28	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 18:28	1
Caprolactam	0.92	U	1.8	0.92	0.36	mg/Kg	☼	10/27/15 18:28	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:28	1
4-Chloroaniline	0.92	U	3.6	0.92	0.28	mg/Kg	☼	10/27/15 18:28	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:28	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:28	1
2-Chlorophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 18:28	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	10/27/15 18:28	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:28	1
3,3'-Dichlorobenzidine	0.36	U	3.6	0.36	0.15	mg/Kg	☼	10/27/15 18:28	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:28	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 18:28	1
2,4-Dimethylphenol	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 18:28	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:28	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:28	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.2	1.8	0.92	mg/Kg	☼	10/27/15 18:28	1
2,4-Dinitrophenol	7.1	U	9.2	7.1	4.5	mg/Kg	☼	10/27/15 18:28	1
2,4-Dinitrotoluene	0.92	U	1.8	0.92	0.27	mg/Kg	☼	10/27/15 18:28	1

Client Sample ID: AOPSD301

Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3

Matrix: Solid
Percent Solids: 91.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 18:28	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:28	1
1,4-Dioxane	1.8	U	1.8	1.8	0.65	mg/Kg	☼	10/27/15 18:28	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 18:28	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 18:28	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	10/27/15 18:28	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 18:28	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:28	1
2-Methylphenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 18:28	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 18:28	1
2-Nitroaniline	0.36	U	9.2	0.36	0.24	mg/Kg	☼	10/27/15 18:28	1
3-Nitroaniline	0.92	U	9.2	0.92	0.25	mg/Kg	☼	10/27/15 18:28	1
4-Nitroaniline	0.92	U	9.2	0.92	0.27	mg/Kg	☼	10/27/15 18:28	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 18:28	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 18:28	1
4-Nitrophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 18:28	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 18:28	1
N-Nitrosodiphenylamine	0.45	U	1.8	0.45	0.18	mg/Kg	☼	10/27/15 18:28	1
Pentachlorophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 18:28	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 18:28	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 18:28	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 18:28	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 18:28	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*58 - 130*	*10/20/15 17:05*	*10/27/15 18:28*	*1*
2-Fluorophenol (Surr)	*65*		*40 - 130*	*10/20/15 17:05*	*10/27/15 18:28*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 130*	*10/20/15 17:05*	*10/27/15 18:28*	*1*
Phenol-d5 (Surr)	*64*		*49 - 130*	*10/20/15 17:05*	*10/27/15 18:28*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*10/20/15 17:05*	*10/27/15 18:28*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*10/20/15 17:05*	*10/27/15 18:28*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**15000**	**D**	90	18	2.8	mg/Kg	☼	10/23/15 13:35	10
Antimony	**0.25**	**J D**	1.8	0.67	0.063	mg/Kg	☼	10/23/15 13:35	10
Arsenic	**2.1**	**J D**	4.5	0.67	0.12	mg/Kg	☼	10/23/15 13:35	10
Barium	**26**	**D**	4.5	1.3	0.99	mg/Kg	☼	10/23/15 13:35	10
Beryllium	**0.21**	**J D**	0.90	0.45	0.049	mg/Kg	☼	10/23/15 13:35	10
Cadmium	**0.32**	**J D**	1.8	0.045	0.017	mg/Kg	☼	10/23/15 13:35	10
Calcium	**26000**	**D**	1800	450	99	mg/Kg	☼	10/23/15 13:35	10
Chromium	**260**	**D**	4.5	2.0	0.27	mg/Kg	☼	10/23/15 13:35	10
Cobalt	**31**	**D**	0.90	0.067	0.0076	mg/Kg	☼	10/23/15 13:35	10
Copper	**31**	**D**	3.6	1.3	0.43	mg/Kg	☼	10/23/15 13:35	10
Iron	**31000**	**D**	450	130	14	mg/Kg	☼	10/23/15 13:35	10
Lead	**33**	**D**	2.7	0.90	0.20	mg/Kg	☼	10/23/15 13:35	10
Magnesium	**83000**	**D**	1800	220	36	mg/Kg	☼	10/22/15 16:26	20
Manganese	**520**	**D**	4.5	1.8	0.54	mg/Kg	☼	10/23/15 13:35	10
Nickel	**660**	**D**	4.5	1.1	0.17	mg/Kg	☼	10/23/15 13:35	10

Client Sample ID: AOPSD301

Lab Sample ID: 680-117942-3
Date Collected: 10/10/15 18:15
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 91.5

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Potassium	1100	D	900	45	22	mg/Kg	☼	10/23/15 13:35	10
Selenium	0.60	J D	4.5	0.27	0.18	mg/Kg	☼	10/23/15 13:35	10
Silver	0.042	J D	0.90	0.22	0.0063	mg/Kg	☼	10/23/15 13:35	10
Sodium	130	J D	900	180	39	mg/Kg	☼	10/23/15 13:35	10
Thallium	0.67	U	1.8	0.67	0.085	mg/Kg	☼	10/23/15 13:35	10
V	60	D	4.5	0.45	0.17	mg/Kg	☼	10/23/15 13:35	10
Zinc	77	D	36	9.0	2.2	mg/Kg	☼	10/23/15 13:35	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.020	J	0.12	0.040	0.017	mg/Kg	☼	10/26/15 16:35	1

Client Sample ID: AOPSE301

Lab Sample ID: 680-117942-4
Date Collected: 10/10/15 17:15
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 90.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Acenaphthylene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Anthracene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Benzo[a]anthracene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Benzo[a]pyrene	0.18	U	0.37	0.18	0.066	mg/Kg	☼	10/23/15 17:56	10
Benzo[b]fluoranthene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Benzo[g,h,i]perylene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Benzo[k]fluoranthene	0.18	U	0.37	0.18	0.11	mg/Kg	☼	10/23/15 17:56	10
Chrysene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Fluoranthene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Fluorene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Indeno[1,2,3-cd]pyrene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Dibenz(a,h)anthracene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Naphthalene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
Phenanthrene	0.18	U	0.37	0.18	0.13	mg/Kg	☼	10/23/15 17:56	10
Pyrene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10
1-Methylnaphthalene	0.18	U	0.37	0.18	0.17	mg/Kg	☼	10/23/15 17:56	10
2-Methylnaphthalene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 17:56*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/27/15 18:51	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	10/27/15 18:51	1
Benzaldehyde	0.94	U Q	1.8	0.94	0.32	mg/Kg	☼	10/27/15 18:51	1
1,1'-Biphenyl	9.4	U	9.4	9.4	9.4	mg/Kg	☼	10/27/15 18:51	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/27/15 18:51	1
Bis(2-chloroethyl)ether	0.94	U	1.8	0.94	0.25	mg/Kg	☼	10/27/15 18:51	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/27/15 18:51	1
Bis(2-ethylhexyl) phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/27/15 18:51	1

Client Sample ID: AOPSE301
Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4
Matrix: Solid
Percent Solids: 90.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/27/15 18:51	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/27/15 18:51	1
Caprolactam	0.94	U	1.8	0.94	0.37	mg/Kg	☼	10/27/15 18:51	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/27/15 18:51	1
4-Chloroaniline	0.94	U	3.7	0.94	0.29	mg/Kg	☼	10/27/15 18:51	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/27/15 18:51	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/27/15 18:51	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/27/15 18:51	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.24	mg/Kg	☼	10/27/15 18:51	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/27/15 18:51	1
3,3'-Dichlorobenzidine	0.37	U	3.7	0.37	0.16	mg/Kg	☼	10/27/15 18:51	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/27/15 18:51	1
Diethyl phthalate	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/27/15 18:51	1
2,4-Dimethylphenol	0.94	U	1.8	0.94	0.24	mg/Kg	☼	10/27/15 18:51	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/27/15 18:51	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/27/15 18:51	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.4	1.8	0.94	mg/Kg	☼	10/27/15 18:51	1
2,4-Dinitrophenol	7.2	U	9.4	7.2	4.6	mg/Kg	☼	10/27/15 18:51	1
2,4-Dinitrotoluene	0.94	U	1.8	0.94	0.27	mg/Kg	☼	10/27/15 18:51	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/27/15 18:51	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/27/15 18:51	1
1,4-Dioxane	1.8	U	1.8	1.8	0.66	mg/Kg	☼	10/27/15 18:51	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/27/15 18:51	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/27/15 18:51	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	10/27/15 18:51	1
Hexachloroethane	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/27/15 18:51	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/27/15 18:51	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/27/15 18:51	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	10/27/15 18:51	1
2-Nitroaniline	0.37	U	9.4	0.37	0.25	mg/Kg	☼	10/27/15 18:51	1
3-Nitroaniline	0.94	U	9.4	0.94	0.25	mg/Kg	☼	10/27/15 18:51	1
4-Nitroaniline	0.94	U	9.4	0.94	0.27	mg/Kg	☼	10/27/15 18:51	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/27/15 18:51	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/27/15 18:51	1
4-Nitrophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	10/27/15 18:51	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/27/15 18:51	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	10/27/15 18:51	1
Pentachlorophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	10/27/15 18:51	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/27/15 18:51	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/27/15 18:51	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	10/27/15 18:51	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/27/15 18:51	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/27/15 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/20/15 17:05*	*10/27/15 18:51*	*1*
2-Fluorophenol (Surr)	*62*		*40 - 130*	*10/20/15 17:05*	*10/27/15 18:51*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/20/15 17:05*	*10/27/15 18:51*	*1*
Phenol-d5 (Surr)	*64*		*49 - 130*	*10/20/15 17:05*	*10/27/15 18:51*	*1*
Terphenyl-d14 (Surr)	*68*		*60 - 130*	*10/20/15 17:05*	*10/27/15 18:51*	*1*

Client Sample ID: AOPSE301

Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4

Matrix: Solid
Percent Solids: 90.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		58 - 130	10/20/15 17:05	10/27/15 18:51	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	13000	D	100	20	3.1	mg/Kg	☼	10/24/15 17:26	10
Antimony	0.40	J D	2.0	0.75	0.070	mg/Kg	☼	10/24/15 17:26	10
Arsenic	1.7	J D	5.0	0.75	0.13	mg/Kg	☼	10/24/15 17:26	10
Barium	42	D	5.0	1.5	1.1	mg/Kg	☼	10/24/15 17:26	10
Beryllium	0.24	J D	1.0	0.50	0.055	mg/Kg	☼	10/24/15 17:26	10
Cadmium	0.24	J D	2.0	0.050	0.018	mg/Kg	☼	10/24/15 17:26	10
Calcium	26000	D	2000	500	110	mg/Kg	☼	10/24/15 17:26	10
Chromium	99	D	5.0	2.2	0.30	mg/Kg	☼	10/24/15 17:26	10
Cobalt	16	D	1.0	0.075	0.0085	mg/Kg	☼	10/24/15 17:26	10
Copper	34	D	4.0	1.5	0.48	mg/Kg	☼	10/24/15 17:26	10
Iron	23000	D	500	150	16	mg/Kg	☼	10/24/15 17:26	10
Lead	11	D	3.0	1.0	0.22	mg/Kg	☼	10/24/15 17:26	10
Magnesium	25000	D	1000	120	20	mg/Kg	☼	10/24/15 17:26	10
Manganese	420	D	5.0	2.0	0.60	mg/Kg	☼	10/24/15 17:26	10
Nickel	200	D	5.0	1.2	0.19	mg/Kg	☼	10/24/15 17:26	10
Potassium	920	J D	1000	50	24	mg/Kg	☼	10/24/15 17:26	10
Selenium	0.56	J D	5.0	0.30	0.20	mg/Kg	☼	10/24/15 17:26	10
Silver	0.044	J D	1.0	0.25	0.0070	mg/Kg	☼	10/24/15 17:26	10
Sodium	120	J D	1000	200	43	mg/Kg	☼	10/24/15 17:26	10
Thallium	0.75	U	2.0	0.75	0.095	mg/Kg	☼	10/24/15 17:26	10
V	51	D	5.0	0.50	0.18	mg/Kg	☼	10/24/15 17:26	10
Zinc	77	D	40	10	2.5	mg/Kg	☼	10/24/15 17:26	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.032	U	0.098	0.032	0.014	mg/Kg	☼	10/23/15 16:55	1

Client Sample ID: AOPSE501

Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5

Matrix: Solid
Percent Solids: 93.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Acenaphthylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Benzo[a]anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Benzo[a]pyrene	0.071	J D	0.36	0.18	0.064	mg/Kg	☼	10/23/15 21:56	10
Benzo[b]fluoranthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Benzo[g,h,i]perylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Benzo[k]fluoranthene	0.18	U	0.36	0.18	0.11	mg/Kg	☼	10/23/15 21:56	10
Chrysene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Fluoranthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Fluorene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Indeno[1,2,3-cd]pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Dibenz(a,h)anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10

Client Sample ID: AOPSE501

Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5

Matrix: Solid
Percent Solids: 93.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
Phenanthrene	0.18	U	0.36	0.18	0.13	mg/Kg	☼	10/23/15 21:56	10
Pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10
1-Methylnaphthalene	0.18	U	0.36	0.18	0.17	mg/Kg	☼	10/23/15 21:56	10
2-Methylnaphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 21:56*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 19:14	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 19:14	1
Benzaldehyde	0.91	U Q	1.8	0.91	0.31	mg/Kg	☼	10/27/15 19:14	1
1,1'-Biphenyl	9.1	U	9.1	9.1	9.1	mg/Kg	☼	10/27/15 19:14	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 19:14	1
Bis(2-chloroethyl)ether	0.91	U	1.8	0.91	0.24	mg/Kg	☼	10/27/15 19:14	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 19:14	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 19:14	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 19:14	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 19:14	1
Caprolactam	0.91	U	1.8	0.91	0.35	mg/Kg	☼	10/27/15 19:14	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 19:14	1
4-Chloroaniline	0.91	U	3.5	0.91	0.28	mg/Kg	☼	10/27/15 19:14	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 19:14	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 19:14	1
2-Chlorophenol	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 19:14	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	10/27/15 19:14	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 19:14	1
3,3'-Dichlorobenzidine	0.36	U	3.5	0.36	0.15	mg/Kg	☼	10/27/15 19:14	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 19:14	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 19:14	1
2,4-Dimethylphenol	0.91	U	1.8	0.91	0.24	mg/Kg	☼	10/27/15 19:14	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 19:14	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 19:14	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.1	1.8	0.91	mg/Kg	☼	10/27/15 19:14	1
2,4-Dinitrophenol	7.0	U	9.1	7.0	4.4	mg/Kg	☼	10/27/15 19:14	1
2,4-Dinitrotoluene	0.91	U	1.8	0.91	0.26	mg/Kg	☼	10/27/15 19:14	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 19:14	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 19:14	1
1,4-Dioxane	1.8	U	1.8	1.8	0.64	mg/Kg	☼	10/27/15 19:14	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 19:14	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 19:14	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	10/27/15 19:14	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 19:14	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 19:14	1
2-Methylphenol	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 19:14	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 19:14	1
2-Nitroaniline	0.36	U	9.1	0.36	0.24	mg/Kg	☼	10/27/15 19:14	1
3-Nitroaniline	0.91	U	9.1	0.91	0.25	mg/Kg	☼	10/27/15 19:14	1

Client Sample ID: AOPSE501

Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5

Matrix: Solid
Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4-Nitroaniline	0.91	U	9.1	0.91	0.26	mg/Kg	☼	10/27/15 19:14	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 19:14	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 19:14	1
4-Nitrophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	10/27/15 19:14	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 19:14	1
N-Nitrosodiphenylamine	0.44	U	1.8	0.44	0.18	mg/Kg	☼	10/27/15 19:14	1
Pentachlorophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	10/27/15 19:14	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 19:14	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 19:14	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 19:14	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 19:14	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*	*10/20/15 17:05*	*10/27/15 19:14*	*1*
2-Fluorophenol (Surr)	*57*		*40 - 130*	*10/20/15 17:05*	*10/27/15 19:14*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*10/20/15 17:05*	*10/27/15 19:14*	*1*
Phenol-d5 (Surr)	*56*		*49 - 130*	*10/20/15 17:05*	*10/27/15 19:14*	*1*
Terphenyl-d14 (Surr)	*62*		*60 - 130*	*10/20/15 17:05*	*10/27/15 19:14*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*58 - 130*	*10/20/15 17:05*	*10/27/15 19:14*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**11000**	**D**	84	17	2.6	mg/Kg	☼	10/23/15 13:39	10
Antimony	**1.2**	**J D**	1.7	0.63	0.059	mg/Kg	☼	10/23/15 13:39	10
Arsenic	**2.8**	**J D**	4.2	0.63	0.11	mg/Kg	☼	10/23/15 13:39	10
Barium	**190**	**D**	4.2	1.3	0.92	mg/Kg	☼	10/23/15 13:39	10
Beryllium	**0.17**	**J D**	0.84	0.42	0.046	mg/Kg	☼	10/23/15 13:39	10
Cadmium	**0.69**	**J D**	1.7	0.042	0.015	mg/Kg	☼	10/23/15 13:39	10
Calcium	**91000**	**D**	8400	2100	460	mg/Kg	☼	10/26/15 16:23	50
Chromium	**97**	**D**	4.2	1.9	0.25	mg/Kg	☼	10/23/15 13:39	10
Cobalt	**13**	**D**	0.84	0.063	0.0071	mg/Kg	☼	10/23/15 13:39	10
Copper	**53**	**D**	3.3	1.3	0.41	mg/Kg	☼	10/23/15 13:39	10
Iron	**21000**	**D**	420	130	13	mg/Kg	☼	10/23/15 13:39	10
Lead	**40**	**D**	2.5	0.84	0.19	mg/Kg	☼	10/23/15 13:39	10
Magnesium	**27000**	**D**	840	100	17	mg/Kg	☼	10/23/15 13:39	10
Manganese	**430**	**D**	4.2	1.7	0.50	mg/Kg	☼	10/23/15 13:39	10
Nickel	**170**	**D**	4.2	1.0	0.16	mg/Kg	☼	10/23/15 13:39	10
Potassium	**580**	**J D**	840	42	20	mg/Kg	☼	10/23/15 13:39	10
Selenium	**0.61**	**J D**	4.2	0.25	0.17	mg/Kg	☼	10/23/15 13:39	10
Silver	**0.055**	**J D**	0.84	0.21	0.0059	mg/Kg	☼	10/23/15 13:39	10
Sodium	**330**	**J D**	840	170	36	mg/Kg	☼	10/23/15 13:39	10
Thallium	0.63	U	1.7	0.63	0.079	mg/Kg	☼	10/23/15 13:39	10
V	**56**	**D**	4.2	0.42	0.15	mg/Kg	☼	10/23/15 13:39	10
Zinc	**180**	**D**	33	8.4	2.1	mg/Kg	☼	10/23/15 13:39	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.016**	**J**	0.10	0.034	0.014	mg/Kg	☼	10/26/15 16:36	1

Client Sample ID: AOPCF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-6

Matrix: Solid
Percent Solids: 50.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Acenaphthylene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Anthracene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Benzo[a]anthracene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Benzo[a]pyrene	**0.14**	**J D**	0.67	0.33	0.12	mg/Kg	☼	10/23/15 20:44	10
Benzo[b]fluoranthene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Benzo[g,h,i]perylene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Benzo[k]fluoranthene	0.33	U	0.67	0.33	0.20	mg/Kg	☼	10/23/15 20:44	10
Chrysene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Fluoranthene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Fluorene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Indeno[1,2,3-cd]pyrene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Dibenz(a,h)anthracene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Naphthalene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
Phenanthrene	0.33	U	0.67	0.33	0.24	mg/Kg	☼	10/23/15 20:44	10
Pyrene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10
1-Methylnaphthalene	0.33	U	0.67	0.33	0.31	mg/Kg	☼	10/23/15 20:44	10
2-Methylnaphthalene	0.67	U	0.67	0.67	0.33	mg/Kg	☼	10/23/15 20:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 20:44*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.67	U	3.3	0.67	0.28	mg/Kg	☼	10/27/15 19:38	1
Atrazine	0.67	U	3.3	0.67	0.23	mg/Kg	☼	10/27/15 19:38	1
Benzaldehyde	1.7	U Q	3.3	1.7	0.58	mg/Kg	☼	10/27/15 19:38	1
1,1'-Biphenyl	17	U	17	17	17	mg/Kg	☼	10/27/15 19:38	1
Bis(2-chloroethoxy)methane	0.67	U	3.3	0.67	0.39	mg/Kg	☼	10/27/15 19:38	1
Bis(2-chloroethyl)ether	1.7	U	3.3	1.7	0.45	mg/Kg	☼	10/27/15 19:38	1
bis (2-chloroisopropyl) ether	0.67	U	3.3	0.67	0.30	mg/Kg	☼	10/27/15 19:38	1
Bis(2-ethylhexyl) phthalate	0.67	U	3.3	0.67	0.29	mg/Kg	☼	10/27/15 19:38	1
4-Bromophenyl phenyl ether	0.67	U	3.3	0.67	0.36	mg/Kg	☼	10/27/15 19:38	1
Butyl benzyl phthalate	0.67	U	3.3	0.67	0.26	mg/Kg	☼	10/27/15 19:38	1
Caprolactam	1.7	U	3.3	1.7	0.66	mg/Kg	☼	10/27/15 19:38	1
Carbazole	0.67	U	3.3	0.67	0.30	mg/Kg	☼	10/27/15 19:38	1
4-Chloroaniline	1.7	U	6.6	1.7	0.52	mg/Kg	☼	10/27/15 19:38	1
4-Chloro-3-methylphenol	0.67	U	3.3	0.67	0.35	mg/Kg	☼	10/27/15 19:38	1
2-Chloronaphthalene	0.67	U	3.3	0.67	0.35	mg/Kg	☼	10/27/15 19:38	1
2-Chlorophenol	0.67	U	3.3	0.67	0.40	mg/Kg	☼	10/27/15 19:38	1
4-Chlorophenyl phenyl ether	0.67	U	3.3	0.67	0.44	mg/Kg	☼	10/27/15 19:38	1
Dibenzofuran	0.67	U	3.3	0.67	0.33	mg/Kg	☼	10/27/15 19:38	1
3,3'-Dichlorobenzidine	0.67	U	6.6	0.67	0.28	mg/Kg	☼	10/27/15 19:38	1
2,4-Dichlorophenol	0.67	U	3.3	0.67	0.35	mg/Kg	☼	10/27/15 19:38	1
Diethyl phthalate	0.67	U	3.3	0.67	0.37	mg/Kg	☼	10/27/15 19:38	1
2,4-Dimethylphenol	1.7	U	3.3	1.7	0.44	mg/Kg	☼	10/27/15 19:38	1
Dimethyl phthalate	0.67	U	3.3	0.67	0.34	mg/Kg	☼	10/27/15 19:38	1
Di-n-butyl phthalate	0.67	U	3.3	0.67	0.30	mg/Kg	☼	10/27/15 19:38	1
2-Methyl-4,6-dinitrophenol	3.3	U	17	3.3	1.7	mg/Kg	☼	10/27/15 19:38	1
2,4-Dinitrophenol	13	U	17	13	8.2	mg/Kg	☼	10/27/15 19:38	1

Client Sample ID: AOPCF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-6

Matrix: Solid
Percent Solids: 50.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.7	U	3.3	1.7	0.49	mg/Kg	☼	10/27/15 19:38	1
2,6-Dinitrotoluene	0.67	U	3.3	0.67	0.42	mg/Kg	☼	10/27/15 19:38	1
Di-n-octyl phthalate	0.67	U	3.3	0.67	0.29	mg/Kg	☼	10/27/15 19:38	1
1,4-Dioxane	3.3	U	3.3	3.3	1.2	mg/Kg	☼	10/27/15 19:38	1
Hexachlorobenzene	0.67	U	3.3	0.67	0.39	mg/Kg	☼	10/27/15 19:38	1
Hexachlorobutadiene	0.67	U	3.3	0.67	0.36	mg/Kg	☼	10/27/15 19:38	1
Hexachlorocyclopentadiene	0.67	U Q	3.3	0.67	0.41	mg/Kg	☼	10/27/15 19:38	1
Hexachloroethane	0.67	U	3.3	0.67	0.28	mg/Kg	☼	10/27/15 19:38	1
Isophorone	0.67	U	3.3	0.67	0.33	mg/Kg	☼	10/27/15 19:38	1
2-Methylphenol	0.67	U	3.3	0.67	0.27	mg/Kg	☼	10/27/15 19:38	1
3 & 4 Methylphenol	0.67	U	3.3	0.67	0.43	mg/Kg	☼	10/27/15 19:38	1
2-Nitroaniline	0.67	U	17	0.67	0.45	mg/Kg	☼	10/27/15 19:38	1
3-Nitroaniline	1.7	U	17	1.7	0.46	mg/Kg	☼	10/27/15 19:38	1
4-Nitroaniline	1.7	U	17	1.7	0.49	mg/Kg	☼	10/27/15 19:38	1
Nitrobenzene	0.67	U	3.3	0.67	0.26	mg/Kg	☼	10/27/15 19:38	1
2-Nitrophenol	0.67	U	3.3	0.67	0.41	mg/Kg	☼	10/27/15 19:38	1
4-Nitrophenol	6.7	U	17	6.7	3.3	mg/Kg	☼	10/27/15 19:38	1
N-Nitrosodi-n-propylamine	0.67	U	3.3	0.67	0.32	mg/Kg	☼	10/27/15 19:38	1
N-Nitrosodiphenylamine	0.82	U	3.3	0.82	0.33	mg/Kg	☼	10/27/15 19:38	1
Pentachlorophenol	6.7	U	17	6.7	3.3	mg/Kg	☼	10/27/15 19:38	1
Phenol	0.67	U	3.3	0.67	0.34	mg/Kg	☼	10/27/15 19:38	1
1,2,4,5-Tetrachlorobenzene	0.67	U	3.3	0.67	0.31	mg/Kg	☼	10/27/15 19:38	1
2,3,4,6-Tetrachlorophenol	0.67	U	3.3	0.67	0.22	mg/Kg	☼	10/27/15 19:38	1
2,4,5-Trichlorophenol	0.67	U	3.3	0.67	0.35	mg/Kg	☼	10/27/15 19:38	1
2,4,6-Trichlorophenol	0.67	U	3.3	0.67	0.29	mg/Kg	☼	10/27/15 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*58 - 130*	*10/20/15 17:05*	*10/27/15 19:38*	*1*
2-Fluorophenol (Surr)	*55*		*40 - 130*	*10/20/15 17:05*	*10/27/15 19:38*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*	*10/20/15 17:05*	*10/27/15 19:38*	*1*
Phenol-d5 (Surr)	*53*		*49 - 130*	*10/20/15 17:05*	*10/27/15 19:38*	*1*
Terphenyl-d14 (Surr)	*61*		*60 - 130*	*10/20/15 17:05*	*10/27/15 19:38*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*58 - 130*	*10/20/15 17:05*	*10/27/15 19:38*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**12000**	**D**	180	37	5.7	mg/Kg	☼	10/23/15 13:42	10
Antimony	**1.3**	**J D**	3.7	1.4	0.13	mg/Kg	☼	10/23/15 13:42	10
Arsenic	**6.9**	**J D**	9.2	1.4	0.24	mg/Kg	☼	10/23/15 13:42	10
Barium	**67**	**D**	9.2	2.8	2.0	mg/Kg	☼	10/23/15 13:42	10
Beryllium	**0.24**	**J D**	1.8	0.92	0.10	mg/Kg	☼	10/23/15 13:42	10
Cadmium	**1.1**	**J D**	3.7	0.092	0.034	mg/Kg	☼	10/23/15 13:42	10
Calcium	**370000**	**D**	18000	4600	1000	mg/Kg	☼	10/26/15 16:27	50
Chromium	**170**	**D**	9.2	4.2	0.55	mg/Kg	☼	10/23/15 13:42	10
Cobalt	**19**	**D**	1.8	0.14	0.016	mg/Kg	☼	10/23/15 13:42	10
Copper	**34**	**D**	7.4	2.8	0.90	mg/Kg	☼	10/23/15 13:42	10
Iron	**23000**	**D**	920	280	30	mg/Kg	☼	10/23/15 13:42	10
Lead	**130**	**D**	5.5	1.8	0.42	mg/Kg	☼	10/23/15 13:42	10
Magnesium	**44000**	**D**	1800	230	37	mg/Kg	☼	10/23/15 13:42	10
Manganese	**410**	**D**	9.2	3.7	1.1	mg/Kg	☼	10/23/15 13:42	10

Client Sample ID: AOPCF101

Lab Sample ID: 680-117942-6
Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 50.1

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nickel	340	D	9.2	2.3	0.36	mg/Kg	☼	10/23/15 13:42	10
Potassium	790	J D	1800	92	45	mg/Kg	☼	10/23/15 13:42	10
Selenium	0.97	J D	9.2	0.55	0.37	mg/Kg	☼	10/23/15 13:42	10
Silver	0.091	J D	1.8	0.46	0.013	mg/Kg	☼	10/23/15 13:42	10
Sodium	1400	J D	1800	370	80	mg/Kg	☼	10/23/15 13:42	10
Thallium	1.4	U	3.7	1.4	0.18	mg/Kg	☼	10/23/15 13:42	10
V	73	D	9.2	0.92	0.34	mg/Kg	☼	10/23/15 13:42	10
Zinc	110	D	74	18	4.6	mg/Kg	☼	10/23/15 13:42	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.072	U	0.22	0.072	0.031	mg/Kg	☼	10/26/15 16:38	1

Client Sample ID: AOPSC401

Lab Sample ID: 680-117942-7
Date Collected: 10/10/15 15:30
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 85.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Acenaphthylene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Benzo[a]anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Benzo[a]pyrene	0.19	U	0.39	0.19	0.070	mg/Kg	☼	10/23/15 16:44	10
Benzo[b]fluoranthene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Benzo[g,h,i]perylene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Benzo[k]fluoranthene	0.19	U	0.39	0.19	0.12	mg/Kg	☼	10/23/15 16:44	10
Chrysene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Fluoranthene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Fluorene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Indeno[1,2,3-cd]pyrene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Dibenz(a,h)anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Naphthalene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
Phenanthrene	0.19	U	0.39	0.19	0.14	mg/Kg	☼	10/23/15 16:44	10
Pyrene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10
1-Methylnaphthalene	0.19	U	0.39	0.19	0.18	mg/Kg	☼	10/23/15 16:44	10
2-Methylnaphthalene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 16:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 16:44*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 20:01	1
Atrazine	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 20:01	1
Benzaldehyde	0.99	U Q	1.9	0.99	0.34	mg/Kg	☼	10/27/15 20:01	1
1,1'-Biphenyl	9.9	U	9.9	9.9	9.9	mg/Kg	☼	10/27/15 20:01	1
Bis(2-chloroethoxy)methane	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 20:01	1
Bis(2-chloroethyl)ether	0.99	U	1.9	0.99	0.26	mg/Kg	☼	10/27/15 20:01	1
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 20:01	1

Client Sample ID: AOPSC401

Date Collected: 10/10/15 15:30
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-7

Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.20**	**J**	1.9	0.39	0.17	mg/Kg	☼	10/27/15 20:01	1
4-Bromophenyl phenyl ether	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 20:01	1
Butyl benzyl phthalate	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/27/15 20:01	1
Caprolactam	0.99	U	1.9	0.99	0.38	mg/Kg	☼	10/27/15 20:01	1
Carbazole	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 20:01	1
4-Chloroaniline	0.99	U	3.8	0.99	0.30	mg/Kg	☼	10/27/15 20:01	1
4-Chloro-3-methylphenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 20:01	1
2-Chloronaphthalene	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 20:01	1
2-Chlorophenol	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 20:01	1
4-Chlorophenyl phenyl ether	0.39	U	1.9	0.39	0.26	mg/Kg	☼	10/27/15 20:01	1
Dibenzofuran	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 20:01	1
3,3'-Dichlorobenzidine	0.39	U	3.8	0.39	0.16	mg/Kg	☼	10/27/15 20:01	1
2,4-Dichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 20:01	1
Diethyl phthalate	0.39	U	1.9	0.39	0.22	mg/Kg	☼	10/27/15 20:01	1
2,4-Dimethylphenol	0.99	U	1.9	0.99	0.26	mg/Kg	☼	10/27/15 20:01	1
Dimethyl phthalate	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 20:01	1
Di-n-butyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 20:01	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.9	1.9	0.99	mg/Kg	☼	10/27/15 20:01	1
2,4-Dinitrophenol	7.6	U	9.9	7.6	4.8	mg/Kg	☼	10/27/15 20:01	1
2,4-Dinitrotoluene	0.99	U	1.9	0.99	0.29	mg/Kg	☼	10/27/15 20:01	1
2,6-Dinitrotoluene	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 20:01	1
Di-n-octyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 20:01	1
1,4-Dioxane	1.9	U	1.9	1.9	0.70	mg/Kg	☼	10/27/15 20:01	1
Hexachlorobenzene	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 20:01	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 20:01	1
Hexachlorocyclopentadiene	0.39	U Q	1.9	0.39	0.24	mg/Kg	☼	10/27/15 20:01	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 20:01	1
Isophorone	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 20:01	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 20:01	1
3 & 4 Methylphenol	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/27/15 20:01	1
2-Nitroaniline	0.39	U	9.9	0.39	0.26	mg/Kg	☼	10/27/15 20:01	1
3-Nitroaniline	0.99	U	9.9	0.99	0.27	mg/Kg	☼	10/27/15 20:01	1
4-Nitroaniline	0.99	U	9.9	0.99	0.29	mg/Kg	☼	10/27/15 20:01	1
Nitrobenzene	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/27/15 20:01	1
2-Nitrophenol	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 20:01	1
4-Nitrophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	10/27/15 20:01	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 20:01	1
N-Nitrosodiphenylamine	0.48	U	1.9	0.48	0.19	mg/Kg	☼	10/27/15 20:01	1
Pentachlorophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	10/27/15 20:01	1
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 20:01	1
1,2,4,5-Tetrachlorobenzene	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/27/15 20:01	1
2,3,4,6-Tetrachlorophenol	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 20:01	1
2,4,5-Trichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 20:01	1
2,4,6-Trichlorophenol	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/20/15 17:05*	*10/27/15 20:01*	*1*
2-Fluorophenol (Surr)	*60*		*40 - 130*	*10/20/15 17:05*	*10/27/15 20:01*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 130*	*10/20/15 17:05*	*10/27/15 20:01*	*1*
Phenol-d5 (Surr)	*60*		*49 - 130*	*10/20/15 17:05*	*10/27/15 20:01*	*1*

Client Sample ID: AOPSC401

Lab Sample ID: 680-117942-7
Date Collected: 10/10/15 15:30
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	69		60 - 130	10/20/15 17:05	10/27/15 20:01	1
2,4,6-Tribromophenol (Surr)	69		58 - 130	10/20/15 17:05	10/27/15 20:01	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**13000**	**D**	110	21	3.3	mg/Kg	☼	10/24/15 17:29	10
Antimony	**0.30**	**J D**	2.1	0.79	0.074	mg/Kg	☼	10/24/15 17:29	10
Arsenic	**1.2**	**J D**	5.3	0.79	0.14	mg/Kg	☼	10/24/15 17:29	10
Barium	**22**	**D**	5.3	1.6	1.2	mg/Kg	☼	10/24/15 17:29	10
Beryllium	**0.21**	**J D**	1.1	0.53	0.058	mg/Kg	☼	10/24/15 17:29	10
Cadmium	**0.53**	**J D**	2.1	0.053	0.020	mg/Kg	☼	10/24/15 17:29	10
Calcium	**40000**	**D**	2100	530	120	mg/Kg	☼	10/24/15 17:29	10
Chromium	**120**	**D**	5.3	2.4	0.32	mg/Kg	☼	10/24/15 17:29	10
Cobalt	**19**	**D**	1.1	0.079	0.0090	mg/Kg	☼	10/24/15 17:29	10
Copper	**42**	**D**	4.2	1.6	0.51	mg/Kg	☼	10/24/15 17:29	10
Iron	**22000**	**D**	530	160	17	mg/Kg	☼	10/24/15 17:29	10
Lead	**44**	**D**	3.2	1.1	0.24	mg/Kg	☼	10/24/15 17:29	10
Magnesium	**35000**	**D**	1100	130	21	mg/Kg	☼	10/24/15 17:29	10
Manganese	**460**	**D**	5.3	2.1	0.63	mg/Kg	☼	10/24/15 17:29	10
Nickel	**320**	**D**	5.3	1.3	0.21	mg/Kg	☼	10/24/15 17:29	10
Potassium	**610**	**J D**	1100	53	26	mg/Kg	☼	10/24/15 17:29	10
Selenium	**0.58**	**J D**	5.3	0.32	0.21	mg/Kg	☼	10/24/15 17:29	10
Silver	**0.060**	**J D**	1.1	0.26	0.0074	mg/Kg	☼	10/24/15 17:29	10
Sodium	**110**	**J D**	1100	210	46	mg/Kg	☼	10/24/15 17:29	10
Thallium	0.79	U	2.1	0.79	0.10	mg/Kg	☼	10/24/15 17:29	10
V	**49**	**D**	5.3	0.53	0.20	mg/Kg	☼	10/24/15 17:29	10
Zinc	**68**	**D**	42	11	2.6	mg/Kg	☼	10/24/15 17:29	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.024**	**J**	0.14	0.045	0.019	mg/Kg	☼	10/23/15 16:57	1

Client Sample ID: AOPSF101

Lab Sample ID: 680-117942-8
Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 56.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Acenaphthylene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Anthracene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Benzo[a]anthracene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Benzo[a]pyrene	**0.20**	**J D**	0.59	0.29	0.11	mg/Kg	☼	10/27/15 12:52	10
Benzo[b]fluoranthene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Benzo[g,h,i]perylene	**0.44**	**J D**	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Benzo[k]fluoranthene	0.29	U	0.59	0.29	0.18	mg/Kg	☼	10/27/15 12:52	10
Chrysene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Fluoranthene	**0.42**	**J D**	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Fluorene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Indeno[1,2,3-cd]pyrene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10

Client Sample ID: AOPSF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-8

Matrix: Solid
Percent Solids: 56.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Naphthalene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
Phenanthrene	**0.25**	**J D**	0.59	0.29	0.21	mg/Kg	☼	10/27/15 12:52	10
Pyrene	**0.35**	**J D**	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10
1-Methylnaphthalene	0.29	U	0.59	0.29	0.27	mg/Kg	☼	10/27/15 12:52	10
2-Methylnaphthalene	0.59	U	0.59	0.59	0.29	mg/Kg	☼	10/27/15 12:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/27/15 12:52*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.59	U	2.9	0.59	0.25	mg/Kg	☼	10/27/15 20:24	1
Atrazine	0.59	U	2.9	0.59	0.20	mg/Kg	☼	10/27/15 20:24	1
Benzaldehyde	1.5	U Q	2.9	1.5	0.51	mg/Kg	☼	10/27/15 20:24	1
1,1'-Biphenyl	15	U	15	15	15	mg/Kg	☼	10/27/15 20:24	1
Bis(2-chloroethoxy)methane	0.59	U	2.9	0.59	0.35	mg/Kg	☼	10/27/15 20:24	1
Bis(2-chloroethyl)ether	1.5	U	2.9	1.5	0.40	mg/Kg	☼	10/27/15 20:24	1
bis (2-chloroisopropyl) ether	0.59	U	2.9	0.59	0.27	mg/Kg	☼	10/27/15 20:24	1
Bis(2-ethylhexyl) phthalate	0.59	U	2.9	0.59	0.26	mg/Kg	☼	10/27/15 20:24	1
4-Bromophenyl phenyl ether	0.59	U	2.9	0.59	0.32	mg/Kg	☼	10/27/15 20:24	1
Butyl benzyl phthalate	0.59	U	2.9	0.59	0.23	mg/Kg	☼	10/27/15 20:24	1
Caprolactam	1.5	U	2.9	1.5	0.58	mg/Kg	☼	10/27/15 20:24	1
Carbazole	0.59	U	2.9	0.59	0.27	mg/Kg	☼	10/27/15 20:24	1
4-Chloroaniline	1.5	U	5.8	1.5	0.46	mg/Kg	☼	10/27/15 20:24	1
4-Chloro-3-methylphenol	0.59	U	2.9	0.59	0.31	mg/Kg	☼	10/27/15 20:24	1
2-Chloronaphthalene	0.59	U	2.9	0.59	0.31	mg/Kg	☼	10/27/15 20:24	1
2-Chlorophenol	0.59	U	2.9	0.59	0.35	mg/Kg	☼	10/27/15 20:24	1
4-Chlorophenyl phenyl ether	0.59	U	2.9	0.59	0.39	mg/Kg	☼	10/27/15 20:24	1
Dibenzofuran	0.59	U	2.9	0.59	0.29	mg/Kg	☼	10/27/15 20:24	1
3,3'-Dichlorobenzidine	0.59	U	5.8	0.59	0.25	mg/Kg	☼	10/27/15 20:24	1
2,4-Dichlorophenol	0.59	U	2.9	0.59	0.31	mg/Kg	☼	10/27/15 20:24	1
Diethyl phthalate	0.59	U	2.9	0.59	0.33	mg/Kg	☼	10/27/15 20:24	1
2,4-Dimethylphenol	1.5	U	2.9	1.5	0.39	mg/Kg	☼	10/27/15 20:24	1
Dimethyl phthalate	0.59	U	2.9	0.59	0.30	mg/Kg	☼	10/27/15 20:24	1
Di-n-butyl phthalate	0.59	U	2.9	0.59	0.27	mg/Kg	☼	10/27/15 20:24	1
2-Methyl-4,6-dinitrophenol	2.9	U	15	2.9	1.5	mg/Kg	☼	10/27/15 20:24	1
2,4-Dinitrophenol	12	U	15	12	7.4	mg/Kg	☼	10/27/15 20:24	1
2,4-Dinitrotoluene	1.5	U	2.9	1.5	0.43	mg/Kg	☼	10/27/15 20:24	1
2,6-Dinitrotoluene	0.59	U	2.9	0.59	0.37	mg/Kg	☼	10/27/15 20:24	1
Di-n-octyl phthalate	0.59	U	2.9	0.59	0.26	mg/Kg	☼	10/27/15 20:24	1
1,4-Dioxane	2.9	U	2.9	2.9	1.1	mg/Kg	☼	10/27/15 20:24	1
Hexachlorobenzene	0.59	U	2.9	0.59	0.35	mg/Kg	☼	10/27/15 20:24	1
Hexachlorobutadiene	0.59	U	2.9	0.59	0.32	mg/Kg	☼	10/27/15 20:24	1
Hexachlorocyclopentadiene	0.59	U Q	2.9	0.59	0.36	mg/Kg	☼	10/27/15 20:24	1
Hexachloroethane	0.59	U	2.9	0.59	0.25	mg/Kg	☼	10/27/15 20:24	1
Isophorone	0.59	U	2.9	0.59	0.29	mg/Kg	☼	10/27/15 20:24	1
2-Methylphenol	0.59	U	2.9	0.59	0.24	mg/Kg	☼	10/27/15 20:24	1
3 & 4 Methylphenol	0.59	U	2.9	0.59	0.38	mg/Kg	☼	10/27/15 20:24	1
2-Nitroaniline	0.59	U	15	0.59	0.40	mg/Kg	☼	10/27/15 20:24	1

Client Sample ID: AOPSF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-8

Matrix: Solid
Percent Solids: 56.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3-Nitroaniline	1.5	U	15	1.5	0.41	mg/Kg	☼	10/27/15 20:24	1
4-Nitroaniline	1.5	U	15	1.5	0.43	mg/Kg	☼	10/27/15 20:24	1
Nitrobenzene	0.59	U	2.9	0.59	0.23	mg/Kg	☼	10/27/15 20:24	1
2-Nitrophenol	0.59	U	2.9	0.59	0.36	mg/Kg	☼	10/27/15 20:24	1
4-Nitrophenol	5.9	U	15	5.9	2.9	mg/Kg	☼	10/27/15 20:24	1
N-Nitrosodi-n-propylamine	0.59	U	2.9	0.59	0.28	mg/Kg	☼	10/27/15 20:24	1
N-Nitrosodiphenylamine	0.74	U	2.9	0.74	0.29	mg/Kg	☼	10/27/15 20:24	1
Pentachlorophenol	5.9	U	15	5.9	2.9	mg/Kg	☼	10/27/15 20:24	1
Phenol	0.59	U	2.9	0.59	0.30	mg/Kg	☼	10/27/15 20:24	1
1,2,4,5-Tetrachlorobenzene	0.59	U	2.9	0.59	0.27	mg/Kg	☼	10/27/15 20:24	1
2,3,4,6-Tetrachlorophenol	0.59	U	2.9	0.59	0.19	mg/Kg	☼	10/27/15 20:24	1
2,4,5-Trichlorophenol	0.59	U	2.9	0.59	0.31	mg/Kg	☼	10/27/15 20:24	1
2,4,6-Trichlorophenol	0.59	U	2.9	0.59	0.26	mg/Kg	☼	10/27/15 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*58 - 130*	*10/20/15 17:05*	*10/27/15 20:24*	*1*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*10/20/15 17:05*	*10/27/15 20:24*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*10/20/15 17:05*	*10/27/15 20:24*	*1*
Phenol-d5 (Surr)	*58*		*49 - 130*	*10/20/15 17:05*	*10/27/15 20:24*	*1*
Terphenyl-d14 (Surr)	*62*		*60 - 130*	*10/20/15 17:05*	*10/27/15 20:24*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*	*10/20/15 17:05*	*10/27/15 20:24*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9800**	**D**	150	30	4.7	mg/Kg	☼	10/23/15 13:46	10
Antimony	**0.77**	**J D**	3.0	1.1	0.11	mg/Kg	☼	10/23/15 13:46	10
Arsenic	**5.6**	**J D**	7.5	1.1	0.20	mg/Kg	☼	10/23/15 13:46	10
Barium	**52**	**D**	7.5	2.3	1.7	mg/Kg	☼	10/23/15 13:46	10
Beryllium	**0.20**	**J D**	1.5	0.75	0.083	mg/Kg	☼	10/23/15 13:46	10
Cadmium	**0.96**	**J D**	3.0	0.075	0.028	mg/Kg	☼	10/23/15 13:46	10
Calcium	**320000**	**D**	15000	3800	830	mg/Kg	☼	10/26/15 16:31	50
Chromium	**180**	**D**	7.5	3.4	0.45	mg/Kg	☼	10/23/15 13:46	10
Cobalt	**16**	**D**	1.5	0.11	0.013	mg/Kg	☼	10/23/15 13:46	10
Copper	**29**	**D**	6.0	2.3	0.73	mg/Kg	☼	10/23/15 13:46	10
Iron	**21000**	**D**	750	230	24	mg/Kg	☼	10/23/15 13:46	10
Lead	**110**	**D**	4.5	1.5	0.34	mg/Kg	☼	10/23/15 13:46	10
Magnesium	**43000**	**D**	1500	190	30	mg/Kg	☼	10/23/15 13:46	10
Manganese	**370**	**D**	7.5	3.0	0.90	mg/Kg	☼	10/23/15 13:46	10
Nickel	**320**	**D**	7.5	1.9	0.29	mg/Kg	☼	10/23/15 13:46	10
Potassium	**610**	**J D**	1500	75	37	mg/Kg	☼	10/23/15 13:46	10
Selenium	**0.63**	**J D**	7.5	0.45	0.30	mg/Kg	☼	10/23/15 13:46	10
Silver	**0.074**	**J D**	1.5	0.38	0.011	mg/Kg	☼	10/23/15 13:46	10
Sodium	**1200**	**J D**	1500	300	65	mg/Kg	☼	10/23/15 13:46	10
Thallium	1.1	U	3.0	1.1	0.14	mg/Kg	☼	10/23/15 13:46	10
V	**60**	**D**	7.5	0.75	0.28	mg/Kg	☼	10/23/15 13:46	10
Zinc	**100**	**D**	60	15	3.8	mg/Kg	☼	10/23/15 13:46	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.060	U	0.18	0.060	0.025	mg/Kg	☼	10/26/15 16:40	1

Client Sample ID: AOPSD501

Date Collected: 10/10/15 16:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-9

Matrix: Solid
Percent Solids: 64.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Acenaphthylene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Anthracene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Benzo[a]anthracene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Benzo[a]pyrene	**0.19**	**J D**	0.52	0.26	0.094	mg/Kg	☼	10/23/15 19:56	10
Benzo[b]fluoranthene	**0.38**	**J D**	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Benzo[g,h,i]perylene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Benzo[k]fluoranthene	0.26	U	0.52	0.26	0.16	mg/Kg	☼	10/23/15 19:56	10
Chrysene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Fluoranthene	**0.27**	**J D**	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Fluorene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Indeno[1,2,3-cd]pyrene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Dibenz(a,h)anthracene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Naphthalene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
Phenanthrene	0.26	U	0.52	0.26	0.19	mg/Kg	☼	10/23/15 19:56	10
Pyrene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10
1-Methylnaphthalene	0.26	U	0.52	0.26	0.24	mg/Kg	☼	10/23/15 19:56	10
2-Methylnaphthalene	0.52	U	0.52	0.52	0.26	mg/Kg	☼	10/23/15 19:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 19:56*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.52	U	2.6	0.52	0.22	mg/Kg	☼	10/27/15 20:47	1
Atrazine	0.52	U	2.6	0.52	0.18	mg/Kg	☼	10/27/15 20:47	1
Benzaldehyde	1.3	U Q	2.6	1.3	0.45	mg/Kg	☼	10/27/15 20:47	1
1,1'-Biphenyl	13	U	13	13	13	mg/Kg	☼	10/27/15 20:47	1
Bis(2-chloroethoxy)methane	0.52	U	2.6	0.52	0.30	mg/Kg	☼	10/27/15 20:47	1
Bis(2-chloroethyl)ether	1.3	U	2.6	1.3	0.35	mg/Kg	☼	10/27/15 20:47	1
bis (2-chloroisopropyl) ether	0.52	U	2.6	0.52	0.23	mg/Kg	☼	10/27/15 20:47	1
Bis(2-ethylhexyl) phthalate	**0.30**	**J**	2.6	0.52	0.23	mg/Kg	☼	10/27/15 20:47	1
4-Bromophenyl phenyl ether	0.52	U	2.6	0.52	0.28	mg/Kg	☼	10/27/15 20:47	1
Butyl benzyl phthalate	0.52	U	2.6	0.52	0.20	mg/Kg	☼	10/27/15 20:47	1
Caprolactam	1.3	U	2.6	1.3	0.51	mg/Kg	☼	10/27/15 20:47	1
Carbazole	0.52	U	2.6	0.52	0.23	mg/Kg	☼	10/27/15 20:47	1
4-Chloroaniline	1.3	U	5.1	1.3	0.40	mg/Kg	☼	10/27/15 20:47	1
4-Chloro-3-methylphenol	0.52	U	2.6	0.52	0.27	mg/Kg	☼	10/27/15 20:47	1
2-Chloronaphthalene	0.52	U	2.6	0.52	0.27	mg/Kg	☼	10/27/15 20:47	1
2-Chlorophenol	0.52	U	2.6	0.52	0.31	mg/Kg	☼	10/27/15 20:47	1
4-Chlorophenyl phenyl ether	0.52	U	2.6	0.52	0.34	mg/Kg	☼	10/27/15 20:47	1
Dibenzofuran	0.52	U	2.6	0.52	0.26	mg/Kg	☼	10/27/15 20:47	1
3,3'-Dichlorobenzidine	0.52	U	5.1	0.52	0.22	mg/Kg	☼	10/27/15 20:47	1
2,4-Dichlorophenol	0.52	U	2.6	0.52	0.27	mg/Kg	☼	10/27/15 20:47	1
Diethyl phthalate	0.52	U	2.6	0.52	0.29	mg/Kg	☼	10/27/15 20:47	1
2,4-Dimethylphenol	1.3	U	2.6	1.3	0.34	mg/Kg	☼	10/27/15 20:47	1
Dimethyl phthalate	0.52	U	2.6	0.52	0.26	mg/Kg	☼	10/27/15 20:47	1
Di-n-butyl phthalate	0.52	U	2.6	0.52	0.23	mg/Kg	☼	10/27/15 20:47	1
2-Methyl-4,6-dinitrophenol	2.6	U	13	2.6	1.3	mg/Kg	☼	10/27/15 20:47	1
2,4-Dinitrophenol	10	U	13	10	6.5	mg/Kg	☼	10/27/15 20:47	1

Client Sample ID: AOPSD501

Date Collected: 10/10/15 16:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-9

Matrix: Solid
Percent Solids: 64.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.3	U	2.6	1.3	0.38	mg/Kg	☼	10/27/15 20:47	1
2,6-Dinitrotoluene	0.52	U	2.6	0.52	0.33	mg/Kg	☼	10/27/15 20:47	1
Di-n-octyl phthalate	0.52	U	2.6	0.52	0.23	mg/Kg	☼	10/27/15 20:47	1
1,4-Dioxane	2.6	U	2.6	2.6	0.93	mg/Kg	☼	10/27/15 20:47	1
Hexachlorobenzene	0.52	U	2.6	0.52	0.30	mg/Kg	☼	10/27/15 20:47	1
Hexachlorobutadiene	0.52	U	2.6	0.52	0.28	mg/Kg	☼	10/27/15 20:47	1
Hexachlorocyclopentadiene	0.52	U Q	2.6	0.52	0.32	mg/Kg	☼	10/27/15 20:47	1
Hexachloroethane	0.52	U	2.6	0.52	0.22	mg/Kg	☼	10/27/15 20:47	1
Isophorone	0.52	U	2.6	0.52	0.26	mg/Kg	☼	10/27/15 20:47	1
2-Methylphenol	0.52	U	2.6	0.52	0.21	mg/Kg	☼	10/27/15 20:47	1
3 & 4 Methylphenol	0.52	U	2.6	0.52	0.33	mg/Kg	☼	10/27/15 20:47	1
2-Nitroaniline	0.52	U	13	0.52	0.35	mg/Kg	☼	10/27/15 20:47	1
3-Nitroaniline	1.3	U	13	1.3	0.36	mg/Kg	☼	10/27/15 20:47	1
4-Nitroaniline	1.3	U	13	1.3	0.38	mg/Kg	☼	10/27/15 20:47	1
Nitrobenzene	0.52	U	2.6	0.52	0.20	mg/Kg	☼	10/27/15 20:47	1
2-Nitrophenol	0.52	U	2.6	0.52	0.32	mg/Kg	☼	10/27/15 20:47	1
4-Nitrophenol	5.2	U	13	5.2	2.6	mg/Kg	☼	10/27/15 20:47	1
N-Nitrosodi-n-propylamine	0.52	U	2.6	0.52	0.25	mg/Kg	☼	10/27/15 20:47	1
N-Nitrosodiphenylamine	0.65	U	2.6	0.65	0.26	mg/Kg	☼	10/27/15 20:47	1
Pentachlorophenol	5.2	U	13	5.2	2.6	mg/Kg	☼	10/27/15 20:47	1
Phenol	0.52	U	2.6	0.52	0.26	mg/Kg	☼	10/27/15 20:47	1
1,2,4,5-Tetrachlorobenzene	0.52	U	2.6	0.52	0.24	mg/Kg	☼	10/27/15 20:47	1
2,3,4,6-Tetrachlorophenol	0.52	U	2.6	0.52	0.17	mg/Kg	☼	10/27/15 20:47	1
2,4,5-Trichlorophenol	0.52	U	2.6	0.52	0.27	mg/Kg	☼	10/27/15 20:47	1
2,4,6-Trichlorophenol	0.52	U	2.6	0.52	0.23	mg/Kg	☼	10/27/15 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/20/15 17:05*	*10/27/15 20:47*	*1*
2-Fluorophenol (Surr)	*63*		*40 - 130*	*10/20/15 17:05*	*10/27/15 20:47*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 130*	*10/20/15 17:05*	*10/27/15 20:47*	*1*
Phenol-d5 (Surr)	*59*		*49 - 130*	*10/20/15 17:05*	*10/27/15 20:47*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*10/20/15 17:05*	*10/27/15 20:47*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/20/15 17:05*	*10/27/15 20:47*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**18000**	**D**	130	26	4.1	mg/Kg	☼	10/24/15 17:33	10
Antimony	**1.2**	**J D**	2.6	0.99	0.093	mg/Kg	☼	10/24/15 17:33	10
Arsenic	**2.6**	**J D**	6.6	0.99	0.17	mg/Kg	☼	10/24/15 17:33	10
Barium	**53**	**D**	6.6	2.0	1.5	mg/Kg	☼	10/24/15 17:33	10
Beryllium	**0.28**	**J D**	1.3	0.66	0.073	mg/Kg	☼	10/24/15 17:33	10
Cadmium	**0.80**	**J D**	2.6	0.066	0.024	mg/Kg	☼	10/24/15 17:33	10
Calcium	**110000**	**D**	5300	1300	290	mg/Kg	☼	10/22/15 19:56	20
Chromium	**230**	**D**	6.6	3.0	0.40	mg/Kg	☼	10/24/15 17:33	10
Cobalt	**34**	**D**	1.3	0.099	0.011	mg/Kg	☼	10/24/15 17:33	10
Copper	**43**	**D**	5.3	2.0	0.64	mg/Kg	☼	10/24/15 17:33	10
Iron	**33000**	**D**	660	200	21	mg/Kg	☼	10/24/15 17:33	10
Lead	**60**	**D**	4.0	1.3	0.30	mg/Kg	☼	10/24/15 17:33	10
Magnesium	**68000**	**D**	2600	330	53	mg/Kg	☼	10/22/15 19:56	20
Manganese	**620**	**D**	6.6	2.6	0.79	mg/Kg	☼	10/24/15 17:33	10

Client Sample ID: AOPSD501

Lab Sample ID: 680-117942-9
Date Collected: 10/10/15 16:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 64.1

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nickel	650	D	6.6	1.7	0.26	mg/Kg	☼	10/24/15 17:33	10
Potassium	1200	J D	1300	66	32	mg/Kg	☼	10/24/15 17:33	10
Selenium	0.50	J D	6.6	0.40	0.26	mg/Kg	☼	10/24/15 17:33	10
Silver	0.13	J D	1.3	0.33	0.0093	mg/Kg	☼	10/24/15 17:33	10
Sodium	580	J D	1300	260	58	mg/Kg	☼	10/24/15 17:33	10
Thallium	0.99	U	2.6	0.99	0.13	mg/Kg	☼	10/24/15 17:33	10
V	70	D	6.6	0.66	0.24	mg/Kg	☼	10/24/15 17:33	10
Zinc	130	D	53	13	3.3	mg/Kg	☼	10/24/15 17:33	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.026	J	0.15	0.049	0.021	mg/Kg	☼	10/23/15 16:59	1

Client Sample ID: AOPSD401

Lab Sample ID: 680-117942-10
Date Collected: 10/10/15 15:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 87.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Acenaphthylene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Anthracene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Benzo[a]anthracene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Benzo[a]pyrene	0.19	U	0.38	0.19	0.068	mg/Kg	☼	10/23/15 17:08	10
Benzo[b]fluoranthene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Benzo[g,h,i]perylene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Benzo[k]fluoranthene	0.19	U	0.38	0.19	0.11	mg/Kg	☼	10/23/15 17:08	10
Chrysene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Fluoranthene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Fluorene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Indeno[1,2,3-cd]pyrene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Dibenz(a,h)anthracene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Naphthalene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
Phenanthrene	0.19	U	0.38	0.19	0.14	mg/Kg	☼	10/23/15 17:08	10
Pyrene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10
1-Methylnaphthalene	0.19	U	0.38	0.19	0.18	mg/Kg	☼	10/23/15 17:08	10
2-Methylnaphthalene	0.38	U	0.38	0.38	0.19	mg/Kg	☼	10/23/15 17:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 17:08*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/27/15 21:10	1
Atrazine	0.38	U	1.9	0.38	0.13	mg/Kg	☼	10/27/15 21:10	1
Benzaldehyde	0.96	U Q	1.9	0.96	0.33	mg/Kg	☼	10/27/15 21:10	1
1,1'-Biphenyl	9.6	U	9.6	9.6	9.6	mg/Kg	☼	10/27/15 21:10	1
Bis(2-chloroethoxy)methane	0.38	U	1.9	0.38	0.22	mg/Kg	☼	10/27/15 21:10	1
Bis(2-chloroethyl)ether	0.96	U	1.9	0.96	0.25	mg/Kg	☼	10/27/15 21:10	1
bis (2-chloroisopropyl) ether	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/27/15 21:10	1

Client Sample ID: AOPSD401
Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10
Matrix: Solid
Percent Solids: 87.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/27/15 21:10	1
4-Bromophenyl phenyl ether	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/27/15 21:10	1
Butyl benzyl phthalate	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/27/15 21:10	1
Caprolactam	0.96	U	1.9	0.96	0.37	mg/Kg	☼	10/27/15 21:10	1
Carbazole	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/27/15 21:10	1
4-Chloroaniline	0.96	U	3.7	0.96	0.29	mg/Kg	☼	10/27/15 21:10	1
4-Chloro-3-methylphenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/27/15 21:10	1
2-Chloronaphthalene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/27/15 21:10	1
2-Chlorophenol	0.38	U	1.9	0.38	0.23	mg/Kg	☼	10/27/15 21:10	1
4-Chlorophenyl phenyl ether	0.38	U	1.9	0.38	0.25	mg/Kg	☼	10/27/15 21:10	1
Dibenzofuran	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/27/15 21:10	1
3,3'-Dichlorobenzidine	0.38	U	3.7	0.38	0.16	mg/Kg	☼	10/27/15 21:10	1
2,4-Dichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/27/15 21:10	1
Diethyl phthalate	0.38	U	1.9	0.38	0.21	mg/Kg	☼	10/27/15 21:10	1
2,4-Dimethylphenol	0.96	U	1.9	0.96	0.25	mg/Kg	☼	10/27/15 21:10	1
Dimethyl phthalate	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/27/15 21:10	1
Di-n-butyl phthalate	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/27/15 21:10	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.6	1.9	0.96	mg/Kg	☼	10/27/15 21:10	1
2,4-Dinitrophenol	7.4	U	9.6	7.4	4.7	mg/Kg	☼	10/27/15 21:10	1
2,4-Dinitrotoluene	0.96	U	1.9	0.96	0.28	mg/Kg	☼	10/27/15 21:10	1
2,6-Dinitrotoluene	0.38	U	1.9	0.38	0.24	mg/Kg	☼	10/27/15 21:10	1
Di-n-octyl phthalate	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/27/15 21:10	1
1,4-Dioxane	1.9	U	1.9	1.9	0.68	mg/Kg	☼	10/27/15 21:10	1
Hexachlorobenzene	0.38	U	1.9	0.38	0.22	mg/Kg	☼	10/27/15 21:10	1
Hexachlorobutadiene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/27/15 21:10	1
Hexachlorocyclopentadiene	0.38	U Q	1.9	0.38	0.23	mg/Kg	☼	10/27/15 21:10	1
Hexachloroethane	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/27/15 21:10	1
Isophorone	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/27/15 21:10	1
2-Methylphenol	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/27/15 21:10	1
3 & 4 Methylphenol	0.38	U	1.9	0.38	0.24	mg/Kg	☼	10/27/15 21:10	1
2-Nitroaniline	0.38	U	9.6	0.38	0.25	mg/Kg	☼	10/27/15 21:10	1
3-Nitroaniline	0.96	U	9.6	0.96	0.26	mg/Kg	☼	10/27/15 21:10	1
4-Nitroaniline	0.96	U	9.6	0.96	0.28	mg/Kg	☼	10/27/15 21:10	1
Nitrobenzene	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/27/15 21:10	1
2-Nitrophenol	0.38	U	1.9	0.38	0.23	mg/Kg	☼	10/27/15 21:10	1
4-Nitrophenol	3.8	U	9.6	3.8	1.9	mg/Kg	☼	10/27/15 21:10	1
N-Nitrosodi-n-propylamine	0.38	U	1.9	0.38	0.18	mg/Kg	☼	10/27/15 21:10	1
N-Nitrosodiphenylamine	0.47	U	1.9	0.47	0.19	mg/Kg	☼	10/27/15 21:10	1
Pentachlorophenol	3.8	U	9.6	3.8	1.9	mg/Kg	☼	10/27/15 21:10	1
Phenol	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/27/15 21:10	1
1,2,4,5-Tetrachlorobenzene	0.38	U	1.9	0.38	0.18	mg/Kg	☼	10/27/15 21:10	1
2,3,4,6-Tetrachlorophenol	0.38	U	1.9	0.38	0.12	mg/Kg	☼	10/27/15 21:10	1
2,4,5-Trichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/27/15 21:10	1
2,4,6-Trichlorophenol	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/27/15 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*58 - 130*	*10/20/15 17:05*	*10/27/15 21:10*	*1*
2-Fluorophenol (Surr)	*60*		*40 - 130*	*10/20/15 17:05*	*10/27/15 21:10*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/20/15 17:05*	*10/27/15 21:10*	*1*
Phenol-d5 (Surr)	*59*		*49 - 130*	*10/20/15 17:05*	*10/27/15 21:10*	*1*

Client Sample ID: AOPSD401

Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10

Matrix: Solid
Percent Solids: 87.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*68*		*60 - 130*	*10/20/15 17:05*	*10/27/15 21:10*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*	*10/20/15 17:05*	*10/27/15 21:10*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**17000**	**D**	93	19	2.9	mg/Kg	☼	10/23/15 13:49	10
Antimony	**0.14**	**J D**	1.9	0.70	0.065	mg/Kg	☼	10/23/15 13:49	10
Arsenic	**2.0**	**J D**	4.7	0.70	0.12	mg/Kg	☼	10/23/15 13:49	10
Barium	**25**	**D**	4.7	1.4	1.0	mg/Kg	☼	10/23/15 13:49	10
Beryllium	**0.23**	**J D**	0.93	0.47	0.051	mg/Kg	☼	10/23/15 13:49	10
Cadmium	**0.16**	**J D**	1.9	0.047	0.017	mg/Kg	☼	10/23/15 13:49	10
Calcium	**38000**	**D**	1900	470	100	mg/Kg	☼	10/23/15 13:49	10
Chromium	**210**	**D**	4.7	2.1	0.28	mg/Kg	☼	10/23/15 13:49	10
Cobalt	**27**	**D**	0.93	0.070	0.0079	mg/Kg	☼	10/23/15 13:49	10
Copper	**44**	**D**	3.7	1.4	0.45	mg/Kg	☼	10/23/15 13:49	10
Iron	**31000**	**D**	470	140	15	mg/Kg	☼	10/23/15 13:49	10
Lead	**9.9**	**D**	2.8	0.93	0.21	mg/Kg	☼	10/23/15 13:49	10
Magnesium	**58000**	**D**	1900	230	37	mg/Kg	☼	10/22/15 16:48	20
Manganese	**540**	**D**	4.7	1.9	0.56	mg/Kg	☼	10/23/15 13:49	10
Nickel	**470**	**D**	4.7	1.2	0.18	mg/Kg	☼	10/23/15 13:49	10
Potassium	**870**	**J D**	930	47	23	mg/Kg	☼	10/23/15 13:49	10
Selenium	**0.53**	**J D**	4.7	0.28	0.19	mg/Kg	☼	10/23/15 13:49	10
Silver	**0.035**	**J D**	0.93	0.23	0.0065	mg/Kg	☼	10/23/15 13:49	10
Sodium	**160**	**J D**	930	190	41	mg/Kg	☼	10/23/15 13:49	10
Thallium	0.70	U	1.9	0.70	0.089	mg/Kg	☼	10/23/15 13:49	10
V	**72**	**D**	4.7	0.47	0.17	mg/Kg	☼	10/23/15 13:49	10
Zinc	**58**	**D**	37	9.3	2.3	mg/Kg	☼	10/23/15 13:49	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.032	U	0.098	0.032	0.014	mg/Kg	☼	10/26/15 16:42	1

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid
Percent Solids: 86.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Acenaphthylene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Benzo[a]anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Benzo[a]pyrene	**0.16**	**J D**	0.39	0.19	0.070	mg/Kg	☼	10/23/15 19:08	10
Benzo[b]fluoranthene	**0.22**	**J D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Benzo[g,h,i]perylene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Benzo[k]fluoranthene	0.19	U M	0.39	0.19	0.12	mg/Kg	☼	10/23/15 19:08	10
Chrysene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Fluoranthene	**0.27**	**J D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Fluorene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Indeno[1,2,3-cd]pyrene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid
Percent Solids: 86.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Naphthalene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
Phenanthrene	0.19	U	0.39	0.19	0.14	mg/Kg	☼	10/23/15 19:08	10
Pyrene	**0.19**	**J D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10
1-Methylnaphthalene	0.19	U	0.39	0.19	0.18	mg/Kg	☼	10/23/15 19:08	10
2-Methylnaphthalene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 19:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 19:08*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 21:33	1
Atrazine	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 21:33	1
Benzaldehyde	0.98	U Q	1.9	0.98	0.34	mg/Kg	☼	10/27/15 21:33	1
1,1'-Biphenyl	9.8	U	9.8	9.8	9.8	mg/Kg	☼	10/27/15 21:33	1
Bis(2-chloroethoxy)methane	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 21:33	1
Bis(2-chloroethyl)ether	0.98	U	1.9	0.98	0.26	mg/Kg	☼	10/27/15 21:33	1
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 21:33	1
Bis(2-ethylhexyl) phthalate	**0.17**	**J**	1.9	0.39	0.17	mg/Kg	☼	10/27/15 21:33	1
4-Bromophenyl phenyl ether	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 21:33	1
Butyl benzyl phthalate	**0.15**	**J**	1.9	0.39	0.15	mg/Kg	☼	10/27/15 21:33	1
Caprolactam	0.98	U	1.9	0.98	0.38	mg/Kg	☼	10/27/15 21:33	1
Carbazole	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 21:33	1
4-Chloroaniline	0.98	U	3.8	0.98	0.30	mg/Kg	☼	10/27/15 21:33	1
4-Chloro-3-methylphenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 21:33	1
2-Chloronaphthalene	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 21:33	1
2-Chlorophenol	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 21:33	1
4-Chlorophenyl phenyl ether	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/27/15 21:33	1
Dibenzofuran	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 21:33	1
3,3'-Dichlorobenzidine	0.39	U	3.8	0.39	0.16	mg/Kg	☼	10/27/15 21:33	1
2,4-Dichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 21:33	1
Diethyl phthalate	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 21:33	1
2,4-Dimethylphenol	0.98	U	1.9	0.98	0.25	mg/Kg	☼	10/27/15 21:33	1
Dimethyl phthalate	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 21:33	1
Di-n-butyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 21:33	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.8	1.9	0.98	mg/Kg	☼	10/27/15 21:33	1
2,4-Dinitrophenol	7.5	U	9.8	7.5	4.8	mg/Kg	☼	10/27/15 21:33	1
2,4-Dinitrotoluene	0.98	U	1.9	0.98	0.28	mg/Kg	☼	10/27/15 21:33	1
2,6-Dinitrotoluene	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 21:33	1
Di-n-octyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 21:33	1
1,4-Dioxane	1.9	U	1.9	1.9	0.69	mg/Kg	☼	10/27/15 21:33	1
Hexachlorobenzene	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 21:33	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 21:33	1
Hexachlorocyclopentadiene	0.39	U Q	1.9	0.39	0.24	mg/Kg	☼	10/27/15 21:33	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 21:33	1
Isophorone	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 21:33	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 21:33	1
3 & 4 Methylphenol	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/27/15 21:33	1
2-Nitroaniline	0.39	U	9.8	0.39	0.26	mg/Kg	☼	10/27/15 21:33	1

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid
Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3-Nitroaniline	0.98	U	9.8	0.98	0.27	mg/Kg	☼	10/27/15 21:33	1
4-Nitroaniline	0.98	U	9.8	0.98	0.28	mg/Kg	☼	10/27/15 21:33	1
Nitrobenzene	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/27/15 21:33	1
2-Nitrophenol	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 21:33	1
4-Nitrophenol	3.9	U	9.8	3.9	1.9	mg/Kg	☼	10/27/15 21:33	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 21:33	1
N-Nitrosodiphenylamine	0.48	U	1.9	0.48	0.19	mg/Kg	☼	10/27/15 21:33	1
Pentachlorophenol	3.9	U	9.8	3.9	1.9	mg/Kg	☼	10/27/15 21:33	1
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 21:33	1
1,2,4,5-Tetrachlorobenzene	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/27/15 21:33	1
2,3,4,6-Tetrachlorophenol	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 21:33	1
2,4,5-Trichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 21:33	1
2,4,6-Trichlorophenol	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/20/15 17:05*	*10/27/15 21:33*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/20/15 17:05*	*10/27/15 21:33*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/20/15 17:05*	*10/27/15 21:33*	*1*
Phenol-d5 (Surr)	*58*		*49 - 130*	*10/20/15 17:05*	*10/27/15 21:33*	*1*
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/20/15 17:05*	*10/27/15 21:33*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*10/20/15 17:05*	*10/27/15 21:33*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**11000**	**D**	110	21	3.3	mg/Kg	☼	10/23/15 13:53	10
Antimony	**0.34**	**J D**	2.1	0.81	0.075	mg/Kg	☼	10/23/15 13:53	10
Arsenic	**2.4**	**J D**	5.4	0.81	0.14	mg/Kg	☼	10/23/15 13:53	10
Barium	**26**	**D**	5.4	1.6	1.2	mg/Kg	☼	10/23/15 13:53	10
Beryllium	**0.17**	**J D**	1.1	0.54	0.059	mg/Kg	☼	10/23/15 13:53	10
Cadmium	**0.24**	**J D**	2.1	0.054	0.020	mg/Kg	☼	10/23/15 13:53	10
Calcium	**49000**	**D**	2100	540	120	mg/Kg	☼	10/23/15 13:53	10
Chromium	**170**	**D**	5.4	2.4	0.32	mg/Kg	☼	10/23/15 13:53	10
Cobalt	**22**	**D**	1.1	0.081	0.0091	mg/Kg	☼	10/23/15 13:53	10
Copper	**31**	**D**	4.3	1.6	0.52	mg/Kg	☼	10/23/15 13:53	10
Iron	**22000**	**D**	540	160	17	mg/Kg	☼	10/23/15 13:53	10
Lead	**35**	**D**	3.2	1.1	0.24	mg/Kg	☼	10/23/15 13:53	10
Magnesium	**38000**	**D**	1100	130	21	mg/Kg	☼	10/23/15 13:53	10
Manganese	**390**	**D**	5.4	2.1	0.64	mg/Kg	☼	10/23/15 13:53	10
Nickel	**390**	**D**	5.4	1.3	0.21	mg/Kg	☼	10/23/15 13:53	10
Potassium	**830**	**J D**	1100	54	26	mg/Kg	☼	10/23/15 13:53	10
Selenium	**0.53**	**J D**	5.4	0.32	0.21	mg/Kg	☼	10/23/15 13:53	10
Silver	**0.099**	**J D**	1.1	0.27	0.0075	mg/Kg	☼	10/23/15 13:53	10
Sodium	**220**	**J D**	1100	210	47	mg/Kg	☼	10/23/15 13:53	10
Thallium	0.81	U	2.1	0.81	0.10	mg/Kg	☼	10/23/15 13:53	10
V	**43**	**D**	5.4	0.54	0.20	mg/Kg	☼	10/23/15 13:53	10
Zinc	**77**	**D**	43	11	2.7	mg/Kg	☼	10/23/15 13:53	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.027**	**J**	0.13	0.043	0.018	mg/Kg	☼	10/26/15 16:44	1

Client Sample ID: AOPSC801

Date Collected: 10/11/15 11:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-12

Matrix: Solid
Percent Solids: 43.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Acenaphthylene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Anthracene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Benzo[a]anthracene	**0.59**	**J D**	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Benzo[a]pyrene	**0.54**	**J D**	0.77	0.38	0.14	mg/Kg	☼	10/23/15 19:33	10
Benzo[b]fluoranthene	**0.94**	**D**	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Benzo[g,h,i]perylene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Benzo[k]fluoranthene	**0.39**	**J D M**	0.77	0.38	0.23	mg/Kg	☼	10/23/15 19:33	10
Chrysene	**0.74**	**J D**	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Fluoranthene	**1.3**	**D**	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Fluorene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Indeno[1,2,3-cd]pyrene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Dibenz(a,h)anthracene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Naphthalene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
Phenanthrene	**0.83**	**D**	0.77	0.38	0.28	mg/Kg	☼	10/23/15 19:33	10
Pyrene	**0.93**	**D**	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10
1-Methylnaphthalene	0.38	U	0.77	0.38	0.36	mg/Kg	☼	10/23/15 19:33	10
2-Methylnaphthalene	0.77	U	0.77	0.77	0.38	mg/Kg	☼	10/23/15 19:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 19:33*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.77	U	3.8	0.77	0.32	mg/Kg	☼	10/27/15 21:57	1
Atrazine	0.77	U	3.8	0.77	0.27	mg/Kg	☼	10/27/15 21:57	1
Benzaldehyde	**0.69**	**J Q**	3.8	2.0	0.67	mg/Kg	☼	10/27/15 21:57	1
1,1'-Biphenyl	20	U	20	20	20	mg/Kg	☼	10/27/15 21:57	1
Bis(2-chloroethoxy)methane	0.77	U	3.8	0.77	0.45	mg/Kg	☼	10/27/15 21:57	1
Bis(2-chloroethyl)ether	2.0	U	3.8	2.0	0.52	mg/Kg	☼	10/27/15 21:57	1
bis (2-chloroisopropyl) ether	0.77	U	3.8	0.77	0.35	mg/Kg	☼	10/27/15 21:57	1
Bis(2-ethylhexyl) phthalate	**1.7**	**J**	3.8	0.77	0.34	mg/Kg	☼	10/27/15 21:57	1
4-Bromophenyl phenyl ether	0.77	U	3.8	0.77	0.42	mg/Kg	☼	10/27/15 21:57	1
Butyl benzyl phthalate	0.77	U	3.8	0.77	0.30	mg/Kg	☼	10/27/15 21:57	1
Caprolactam	2.0	U	3.8	2.0	0.76	mg/Kg	☼	10/27/15 21:57	1
Carbazole	0.77	U	3.8	0.77	0.35	mg/Kg	☼	10/27/15 21:57	1
4-Chloroaniline	2.0	U	7.6	2.0	0.60	mg/Kg	☼	10/27/15 21:57	1
4-Chloro-3-methylphenol	0.77	U	3.8	0.77	0.40	mg/Kg	☼	10/27/15 21:57	1
2-Chloronaphthalene	0.77	U	3.8	0.77	0.40	mg/Kg	☼	10/27/15 21:57	1
2-Chlorophenol	0.77	U	3.8	0.77	0.46	mg/Kg	☼	10/27/15 21:57	1
4-Chlorophenyl phenyl ether	0.77	U	3.8	0.77	0.51	mg/Kg	☼	10/27/15 21:57	1
Dibenzofuran	0.77	U	3.8	0.77	0.38	mg/Kg	☼	10/27/15 21:57	1
3,3'-Dichlorobenzidine	0.77	U	7.6	0.77	0.32	mg/Kg	☼	10/27/15 21:57	1
2,4-Dichlorophenol	0.77	U	3.8	0.77	0.40	mg/Kg	☼	10/27/15 21:57	1
Diethyl phthalate	0.77	U	3.8	0.77	0.43	mg/Kg	☼	10/27/15 21:57	1
2,4-Dimethylphenol	2.0	U	3.8	2.0	0.51	mg/Kg	☼	10/27/15 21:57	1
Dimethyl phthalate	0.77	U	3.8	0.77	0.39	mg/Kg	☼	10/27/15 21:57	1
Di-n-butyl phthalate	0.77	U	3.8	0.77	0.35	mg/Kg	☼	10/27/15 21:57	1
2-Methyl-4,6-dinitrophenol	3.8	U	20	3.8	2.0	mg/Kg	☼	10/27/15 21:57	1
2,4-Dinitrophenol	15	U	20	15	9.6	mg/Kg	☼	10/27/15 21:57	1

Client Sample ID: AOPSC801

Date Collected: 10/11/15 11:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-12

Matrix: Solid
Percent Solids: 43.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	2.0	U	3.8	2.0	0.57	mg/Kg	☼	10/27/15 21:57	1
2,6-Dinitrotoluene	0.77	U	3.8	0.77	0.49	mg/Kg	☼	10/27/15 21:57	1
Di-n-octyl phthalate	0.77	U	3.8	0.77	0.34	mg/Kg	☼	10/27/15 21:57	1
1,4-Dioxane	3.8	U	3.8	3.8	1.4	mg/Kg	☼	10/27/15 21:57	1
Hexachlorobenzene	0.77	U	3.8	0.77	0.45	mg/Kg	☼	10/27/15 21:57	1
Hexachlorobutadiene	0.77	U	3.8	0.77	0.42	mg/Kg	☼	10/27/15 21:57	1
Hexachlorocyclopentadiene	0.77	U Q	3.8	0.77	0.47	mg/Kg	☼	10/27/15 21:57	1
Hexachloroethane	0.77	U	3.8	0.77	0.32	mg/Kg	☼	10/27/15 21:57	1
Isophorone	0.77	U	3.8	0.77	0.38	mg/Kg	☼	10/27/15 21:57	1
2-Methylphenol	0.77	U	3.8	0.77	0.31	mg/Kg	☼	10/27/15 21:57	1
3 & 4 Methylphenol	0.77	U	3.8	0.77	0.50	mg/Kg	☼	10/27/15 21:57	1
2-Nitroaniline	0.77	U	20	0.77	0.52	mg/Kg	☼	10/27/15 21:57	1
3-Nitroaniline	2.0	U	20	2.0	0.53	mg/Kg	☼	10/27/15 21:57	1
4-Nitroaniline	2.0	U	20	2.0	0.57	mg/Kg	☼	10/27/15 21:57	1
Nitrobenzene	0.77	U	3.8	0.77	0.30	mg/Kg	☼	10/27/15 21:57	1
2-Nitrophenol	0.77	U	3.8	0.77	0.47	mg/Kg	☼	10/27/15 21:57	1
4-Nitrophenol	7.7	U	20	7.7	3.8	mg/Kg	☼	10/27/15 21:57	1
N-Nitrosodi-n-propylamine	0.77	U	3.8	0.77	0.37	mg/Kg	☼	10/27/15 21:57	1
N-Nitrosodiphenylamine	0.96	U	3.8	0.96	0.38	mg/Kg	☼	10/27/15 21:57	1
Pentachlorophenol	7.7	U	20	7.7	3.8	mg/Kg	☼	10/27/15 21:57	1
Phenol	0.77	U	3.8	0.77	0.39	mg/Kg	☼	10/27/15 21:57	1
1,2,4,5-Tetrachlorobenzene	0.77	U	3.8	0.77	0.36	mg/Kg	☼	10/27/15 21:57	1
2,3,4,6-Tetrachlorophenol	0.77	U	3.8	0.77	0.25	mg/Kg	☼	10/27/15 21:57	1
2,4,5-Trichlorophenol	0.77	U	3.8	0.77	0.40	mg/Kg	☼	10/27/15 21:57	1
2,4,6-Trichlorophenol	0.77	U	3.8	0.77	0.34	mg/Kg	☼	10/27/15 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*58 - 130*	*10/20/15 17:05*	*10/27/15 21:57*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/20/15 17:05*	*10/27/15 21:57*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/20/15 17:05*	*10/27/15 21:57*	*1*
Phenol-d5 (Surr)	*59*		*49 - 130*	*10/20/15 17:05*	*10/27/15 21:57*	*1*
Terphenyl-d14 (Surr)	*65*		*60 - 130*	*10/20/15 17:05*	*10/27/15 21:57*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*58 - 130*	*10/20/15 17:05*	*10/27/15 21:57*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**29000**	**D**	180	36	5.6	mg/Kg	☼	10/24/15 17:36	10
Antimony	**8.8**	**D**	3.6	1.3	0.13	mg/Kg	☼	10/24/15 17:36	10
Arsenic	**3.9**	**J D**	9.0	1.3	0.23	mg/Kg	☼	10/24/15 17:36	10
Barium	**52**	**D**	9.0	2.7	2.0	mg/Kg	☼	10/24/15 17:36	10
Beryllium	**0.37**	**J D**	1.8	0.90	0.099	mg/Kg	☼	10/24/15 17:36	10
Cadmium	**2.2**	**J D**	3.6	0.090	0.033	mg/Kg	☼	10/24/15 17:36	10
Calcium	**47000**	**D**	3600	900	200	mg/Kg	☼	10/24/15 17:36	10
Chromium	**380**	**D**	9.0	4.0	0.54	mg/Kg	☼	10/24/15 17:36	10
Cobalt	**58**	**D**	1.8	0.13	0.015	mg/Kg	☼	10/24/15 17:36	10
Copper	**95**	**D**	7.2	2.7	0.87	mg/Kg	☼	10/24/15 17:36	10
Iron	**51000**	**D**	900	270	29	mg/Kg	☼	10/24/15 17:36	10
Lead	**140**	**D**	5.4	1.8	0.40	mg/Kg	☼	10/24/15 17:36	10
Magnesium	**110000**	**D**	3600	450	72	mg/Kg	☼	10/22/15 19:59	20
Manganese	**1100**	**D**	9.0	3.6	1.1	mg/Kg	☼	10/24/15 17:36	10

Client Sample ID: AOPSC801

Lab Sample ID: 680-117942-12
Date Collected: 10/11/15 11:40
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 43.2

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nickel	**1100**	**D**	9.0	2.2	0.35	mg/Kg	☼	10/24/15 17:36	10
Potassium	**1400**	**J D**	1800	90	44	mg/Kg	☼	10/24/15 17:36	10
Selenium	**0.82**	**J D**	9.0	0.54	0.36	mg/Kg	☼	10/24/15 17:36	10
Silver	**0.13**	**J D**	1.8	0.45	0.013	mg/Kg	☼	10/24/15 17:36	10
Sodium	**260**	**J D**	1800	360	78	mg/Kg	☼	10/24/15 17:36	10
Thallium	1.3	U	3.6	1.3	0.17	mg/Kg	☼	10/24/15 17:36	10
V	**100**	**D**	9.0	0.90	0.33	mg/Kg	☼	10/24/15 17:36	10
Zinc	**290**	**D**	72	18	4.5	mg/Kg	☼	10/24/15 17:36	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.067**	**J**	0.24	0.079	0.034	mg/Kg	☼	10/23/15 17:13	1

Client Sample ID: AOPSG701

Lab Sample ID: 680-117942-13
Date Collected: 10/11/15 17:40
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 92.0

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Acenaphthylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Anthracene	**0.18**	**J D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Benzo[a]anthracene	**0.85**	**D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Benzo[a]pyrene	**0.84**	**D**	0.36	0.18	0.065	mg/Kg	☼	10/23/15 21:08	10
Benzo[b]fluoranthene	**1.4**	**D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Benzo[g,h,i]perylene	**0.44**	**D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Benzo[k]fluoranthene	**0.46**	**D M**	0.36	0.18	0.11	mg/Kg	☼	10/23/15 21:08	10
Chrysene	**0.96**	**D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Fluoranthene	**2.0**	**D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Fluorene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Indeno[1,2,3-cd]pyrene	**0.46**	**D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Dibenz(a,h)anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Naphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
Phenanthrene	**1.1**	**D**	0.36	0.18	0.13	mg/Kg	☼	10/23/15 21:08	10
Pyrene	**1.2**	**D**	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10
1-Methylnaphthalene	0.18	U	0.36	0.18	0.17	mg/Kg	☼	10/23/15 21:08	10
2-Methylnaphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 21:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 21:08*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 22:20	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 22:20	1
Benzaldehyde	0.92	U Q	1.8	0.92	0.31	mg/Kg	☼	10/27/15 22:20	1
1,1'-Biphenyl	9.2	U	9.2	9.2	9.2	mg/Kg	☼	10/27/15 22:20	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 22:20	1
Bis(2-chloroethyl)ether	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 22:20	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:20	1

Client Sample ID: AOPSG701
Date Collected: 10/11/15 17:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-13
Matrix: Solid
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.18**	**J**	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:20	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 22:20	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 22:20	1
Caprolactam	0.92	U	1.8	0.92	0.36	mg/Kg	☼	10/27/15 22:20	1
Carbazole	**0.16**	**J**	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:20	1
4-Chloroaniline	0.92	U	3.6	0.92	0.28	mg/Kg	☼	10/27/15 22:20	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:20	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:20	1
2-Chlorophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 22:20	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	10/27/15 22:20	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:20	1
3,3'-Dichlorobenzidine	0.36	U	3.6	0.36	0.15	mg/Kg	☼	10/27/15 22:20	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:20	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 22:20	1
2,4-Dimethylphenol	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 22:20	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:20	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:20	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.2	1.8	0.92	mg/Kg	☼	10/27/15 22:20	1
2,4-Dinitrophenol	7.1	U	9.2	7.1	4.5	mg/Kg	☼	10/27/15 22:20	1
2,4-Dinitrotoluene	0.92	U	1.8	0.92	0.27	mg/Kg	☼	10/27/15 22:20	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 22:20	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:20	1
1,4-Dioxane	1.8	U	1.8	1.8	0.65	mg/Kg	☼	10/27/15 22:20	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 22:20	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 22:20	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	10/27/15 22:20	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 22:20	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:20	1
2-Methylphenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 22:20	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 22:20	1
2-Nitroaniline	0.36	U	9.2	0.36	0.24	mg/Kg	☼	10/27/15 22:20	1
3-Nitroaniline	0.92	U	9.2	0.92	0.25	mg/Kg	☼	10/27/15 22:20	1
4-Nitroaniline	0.92	U	9.2	0.92	0.27	mg/Kg	☼	10/27/15 22:20	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 22:20	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 22:20	1
4-Nitrophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 22:20	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 22:20	1
N-Nitrosodiphenylamine	0.45	U	1.8	0.45	0.18	mg/Kg	☼	10/27/15 22:20	1
Pentachlorophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 22:20	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:20	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 22:20	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 22:20	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:20	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/20/15 17:05*	*10/27/15 22:20*	*1*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*10/20/15 17:05*	*10/27/15 22:20*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 130*	*10/20/15 17:05*	*10/27/15 22:20*	*1*
Phenol-d5 (Surr)	*59*		*49 - 130*	*10/20/15 17:05*	*10/27/15 22:20*	*1*

Client Sample ID: AOPSG701

Lab Sample ID: 680-117942-13
Date Collected: 10/11/15 17:40
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	65		60 - 130	10/20/15 17:05	10/27/15 22:20	1
2,4,6-Tribromophenol (Surr)	63		58 - 130	10/20/15 17:05	10/27/15 22:20	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	14000	D	91	18	2.8	mg/Kg	☼	10/23/15 13:56	10
Antimony	0.42	J D	1.8	0.68	0.063	mg/Kg	☼	10/23/15 13:56	10
Arsenic	2.8	J D	4.5	0.68	0.12	mg/Kg	☼	10/23/15 13:56	10
Barium	35	D	4.5	1.4	1.0	mg/Kg	☼	10/23/15 13:56	10
Beryllium	0.18	J D	0.91	0.45	0.050	mg/Kg	☼	10/23/15 13:56	10
Cadmium	1.2	J D	1.8	0.045	0.017	mg/Kg	☼	10/23/15 13:56	10
Calcium	85000	D	3600	910	200	mg/Kg	☼	10/22/15 16:55	20
Chromium	270	D	4.5	2.0	0.27	mg/Kg	☼	10/23/15 13:56	10
Cobalt	28	D	0.91	0.068	0.0077	mg/Kg	☼	10/23/15 13:56	10
Copper	33	D	3.6	1.4	0.44	mg/Kg	☼	10/23/15 13:56	10
Iron	28000	D	450	140	15	mg/Kg	☼	10/23/15 13:56	10
Lead	97	D	2.7	0.91	0.20	mg/Kg	☼	10/23/15 13:56	10
Magnesium	38000	D	910	110	18	mg/Kg	☼	10/23/15 13:56	10
Manganese	550	D	4.5	1.8	0.54	mg/Kg	☼	10/23/15 13:56	10
Nickel	550	D	4.5	1.1	0.18	mg/Kg	☼	10/23/15 13:56	10
Potassium	1200	D	910	45	22	mg/Kg	☼	10/23/15 13:56	10
Selenium	0.49	J D	4.5	0.27	0.18	mg/Kg	☼	10/23/15 13:56	10
Silver	0.059	J D	0.91	0.23	0.0063	mg/Kg	☼	10/23/15 13:56	10
Sodium	370	J D	910	180	39	mg/Kg	☼	10/23/15 13:56	10
Thallium	0.68	U	1.8	0.68	0.086	mg/Kg	☼	10/23/15 13:56	10
V	59	D	4.5	0.45	0.17	mg/Kg	☼	10/23/15 13:56	10
Zinc	120	D	36	9.1	2.3	mg/Kg	☼	10/23/15 13:56	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	J	0.11	0.035	0.015	mg/Kg	☼	10/26/15 16:46	1

Client Sample ID: AOPSG1001

Lab Sample ID: 680-117942-14
Date Collected: 10/11/15 17:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 91.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Acenaphthylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Benzo[a]anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Benzo[a]pyrene	0.18	U	0.36	0.18	0.065	mg/Kg	☼	10/23/15 16:19	10
Benzo[b]fluoranthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Benzo[g,h,i]perylene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Benzo[k]fluoranthene	0.18	U	0.36	0.18	0.11	mg/Kg	☼	10/23/15 16:19	10
Chrysene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Fluoranthene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Fluorene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Indeno[1,2,3-cd]pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10

Client Sample ID: AOPSG1001
Date Collected: 10/11/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-14
Matrix: Solid
Percent Solids: 91.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Naphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
Phenanthrene	0.18	U	0.36	0.18	0.13	mg/Kg	☼	10/23/15 16:19	10
Pyrene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10
1-Methylnaphthalene	0.18	U	0.36	0.18	0.17	mg/Kg	☼	10/23/15 16:19	10
2-Methylnaphthalene	0.36	U	0.36	0.36	0.18	mg/Kg	☼	10/23/15 16:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 16:19*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 22:43	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 22:43	1
Benzaldehyde	0.92	U Q	1.8	0.92	0.31	mg/Kg	☼	10/27/15 22:43	1
1,1'-Biphenyl	9.2	U	9.2	9.2	9.2	mg/Kg	☼	10/27/15 22:43	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 22:43	1
Bis(2-chloroethyl)ether	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 22:43	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:43	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:43	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:43	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 22:43	1
Caprolactam	0.92	U	1.8	0.92	0.36	mg/Kg	☼	10/27/15 22:43	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:43	1
4-Chloroaniline	0.92	U	3.6	0.92	0.28	mg/Kg	☼	10/27/15 22:43	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:43	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:43	1
2-Chlorophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 22:43	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	10/27/15 22:43	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:43	1
3,3'-Dichlorobenzidine	0.36	U	3.6	0.36	0.15	mg/Kg	☼	10/27/15 22:43	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:43	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 22:43	1
2,4-Dimethylphenol	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 22:43	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:43	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:43	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.2	1.8	0.92	mg/Kg	☼	10/27/15 22:43	1
2,4-Dinitrophenol	7.0	U	9.2	7.0	4.5	mg/Kg	☼	10/27/15 22:43	1
2,4-Dinitrotoluene	0.92	U	1.8	0.92	0.27	mg/Kg	☼	10/27/15 22:43	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 22:43	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:43	1
1,4-Dioxane	1.8	U	1.8	1.8	0.65	mg/Kg	☼	10/27/15 22:43	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 22:43	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:43	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	10/27/15 22:43	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 22:43	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:43	1
2-Methylphenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 22:43	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 22:43	1
2-Nitroaniline	0.36	U	9.2	0.36	0.24	mg/Kg	☼	10/27/15 22:43	1

Client Sample ID: AOPSG1001

Date Collected: 10/11/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-14

Matrix: Solid
Percent Solids: 91.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3-Nitroaniline	0.92	U	9.2	0.92	0.25	mg/Kg	☼	10/27/15 22:43	1
4-Nitroaniline	0.92	U	9.2	0.92	0.27	mg/Kg	☼	10/27/15 22:43	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 22:43	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 22:43	1
4-Nitrophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 22:43	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 22:43	1
N-Nitrosodiphenylamine	0.45	U	1.8	0.45	0.18	mg/Kg	☼	10/27/15 22:43	1
Pentachlorophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 22:43	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 22:43	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 22:43	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 22:43	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 22:43	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*138*	*Q*	*58 - 130*	*10/20/15 17:05*	*10/27/15 22:43*	*1*
2-Fluorophenol (Surr)	*124*		*40 - 130*	*10/20/15 17:05*	*10/27/15 22:43*	*1*
Nitrobenzene-d5 (Surr)	*123*		*46 - 130*	*10/20/15 17:05*	*10/27/15 22:43*	*1*
Phenol-d5 (Surr)	*116*		*49 - 130*	*10/20/15 17:05*	*10/27/15 22:43*	*1*
Terphenyl-d14 (Surr)	*134*	*Q*	*60 - 130*	*10/20/15 17:05*	*10/27/15 22:43*	*1*
2,4,6-Tribromophenol (Surr)	*136*	*Q*	*58 - 130*	*10/20/15 17:05*	*10/27/15 22:43*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**13000**	**D**	89	18	2.8	mg/Kg	☼	10/23/15 14:00	10
Antimony	**0.18**	**J D**	1.8	0.67	0.062	mg/Kg	☼	10/23/15 14:00	10
Arsenic	**2.0**	**J D**	4.5	0.67	0.12	mg/Kg	☼	10/23/15 14:00	10
Barium	**21**	**D**	4.5	1.3	0.98	mg/Kg	☼	10/23/15 14:00	10
Beryllium	**0.20**	**J D**	0.89	0.45	0.049	mg/Kg	☼	10/23/15 14:00	10
Cadmium	**9.5**	**D**	1.8	0.045	0.017	mg/Kg	☼	10/23/15 14:00	10
Calcium	**63000**	**D**	3600	890	200	mg/Kg	☼	10/22/15 16:59	20
Chromium	**240**	**D**	4.5	2.0	0.27	mg/Kg	☼	10/23/15 14:00	10
Cobalt	**30**	**D**	0.89	0.067	0.0076	mg/Kg	☼	10/23/15 14:00	10
Copper	**45**	**D**	3.6	1.3	0.43	mg/Kg	☼	10/23/15 14:00	10
Iron	**28000**	**D**	450	130	14	mg/Kg	☼	10/23/15 14:00	10
Lead	**260**	**D**	2.7	0.89	0.20	mg/Kg	☼	10/23/15 14:00	10
Magnesium	**67000**	**D**	1800	220	36	mg/Kg	☼	10/22/15 16:59	20
Manganese	**510**	**D**	4.5	1.8	0.54	mg/Kg	☼	10/23/15 14:00	10
Nickel	**550**	**D**	4.5	1.1	0.17	mg/Kg	☼	10/23/15 14:00	10
Potassium	**1100**	**D**	890	45	22	mg/Kg	☼	10/23/15 14:00	10
Selenium	**0.52**	**J D**	4.5	0.27	0.18	mg/Kg	☼	10/23/15 14:00	10
Silver	**0.16**	**J D**	0.89	0.22	0.0062	mg/Kg	☼	10/23/15 14:00	10
Sodium	**300**	**J D**	890	180	39	mg/Kg	☼	10/23/15 14:00	10
Thallium	0.67	U	1.8	0.67	0.085	mg/Kg	☼	10/23/15 14:00	10
V	**61**	**D**	4.5	0.45	0.17	mg/Kg	☼	10/23/15 14:00	10
Zinc	**76**	**D**	36	8.9	2.2	mg/Kg	☼	10/23/15 14:00	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.026**	**J**	0.10	0.034	0.015	mg/Kg	☼	10/26/15 16:47	1

Client Sample ID: AOPSG901
Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15
Matrix: Solid
Percent Solids: 84.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Acenaphthylene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Benzo[a]anthracene	**0.24**	**J D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Benzo[a]pyrene	**0.28**	**J D**	0.39	0.19	0.071	mg/Kg	☼	10/23/15 18:20	10
Benzo[b]fluoranthene	**0.48**	**D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Benzo[g,h,i]perylene	**0.20**	**J D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Benzo[k]fluoranthene	**0.18**	**J D M**	0.39	0.19	0.12	mg/Kg	☼	10/23/15 18:20	10
Chrysene	**0.31**	**J D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Fluoranthene	**0.54**	**D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Fluorene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Indeno[1,2,3-cd]pyrene	**0.21**	**J D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Dibenz(a,h)anthracene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Naphthalene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
Phenanthrene	**0.26**	**J D**	0.39	0.19	0.14	mg/Kg	☼	10/23/15 18:20	10
Pyrene	**0.39**	**D**	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10
1-Methylnaphthalene	0.19	U	0.39	0.19	0.18	mg/Kg	☼	10/23/15 18:20	10
2-Methylnaphthalene	0.39	U	0.39	0.39	0.19	mg/Kg	☼	10/23/15 18:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 18:20*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 23:06	1
Atrazine	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 23:06	1
Benzaldehyde	1.0	U Q	1.9	1.0	0.34	mg/Kg	☼	10/27/15 23:06	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/27/15 23:06	1
Bis(2-chloroethoxy)methane	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 23:06	1
Bis(2-chloroethyl)ether	1.0	U	1.9	1.0	0.26	mg/Kg	☼	10/27/15 23:06	1
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/27/15 23:06	1
Bis(2-ethylhexyl) phthalate	**0.25**	**J**	1.9	0.39	0.17	mg/Kg	☼	10/27/15 23:06	1
4-Bromophenyl phenyl ether	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 23:06	1
Butyl benzyl phthalate	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/27/15 23:06	1
Caprolactam	1.0	U	1.9	1.0	0.39	mg/Kg	☼	10/27/15 23:06	1
Carbazole	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/27/15 23:06	1
4-Chloroaniline	1.0	U	3.9	1.0	0.30	mg/Kg	☼	10/27/15 23:06	1
4-Chloro-3-methylphenol	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 23:06	1
2-Chloronaphthalene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 23:06	1
2-Chlorophenol	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 23:06	1
4-Chlorophenyl phenyl ether	0.39	U	1.9	0.39	0.26	mg/Kg	☼	10/27/15 23:06	1
Dibenzofuran	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 23:06	1
3,3'-Dichlorobenzidine	0.39	U	3.9	0.39	0.16	mg/Kg	☼	10/27/15 23:06	1
2,4-Dichlorophenol	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 23:06	1
Diethyl phthalate	0.39	U	1.9	0.39	0.22	mg/Kg	☼	10/27/15 23:06	1
2,4-Dimethylphenol	1.0	U	1.9	1.0	0.26	mg/Kg	☼	10/27/15 23:06	1
Dimethyl phthalate	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 23:06	1
Di-n-butyl phthalate	**0.22**	**J**	1.9	0.39	0.18	mg/Kg	☼	10/27/15 23:06	1
2-Methyl-4,6-dinitrophenol	1.9	U	10	1.9	1.0	mg/Kg	☼	10/27/15 23:06	1
2,4-Dinitrophenol	7.6	U	10	7.6	4.9	mg/Kg	☼	10/27/15 23:06	1

Client Sample ID: AOPSG901

Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15

Matrix: Solid
Percent Solids: 84.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.0	U	1.9	1.0	0.29	mg/Kg	☼	10/27/15 23:06	1
2,6-Dinitrotoluene	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/27/15 23:06	1
Di-n-octyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 23:06	1
1,4-Dioxane	1.9	U	1.9	1.9	0.70	mg/Kg	☼	10/27/15 23:06	1
Hexachlorobenzene	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 23:06	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 23:06	1
Hexachlorocyclopentadiene	0.39	U Q	1.9	0.39	0.24	mg/Kg	☼	10/27/15 23:06	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 23:06	1
Isophorone	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 23:06	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 23:06	1
3 & 4 Methylphenol	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/27/15 23:06	1
2-Nitroaniline	0.39	U	10	0.39	0.26	mg/Kg	☼	10/27/15 23:06	1
3-Nitroaniline	1.0	U	10	1.0	0.27	mg/Kg	☼	10/27/15 23:06	1
4-Nitroaniline	1.0	U	10	1.0	0.29	mg/Kg	☼	10/27/15 23:06	1
Nitrobenzene	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/27/15 23:06	1
2-Nitrophenol	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 23:06	1
4-Nitrophenol	3.9	U	10	3.9	1.9	mg/Kg	☼	10/27/15 23:06	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 23:06	1
N-Nitrosodiphenylamine	0.49	U	1.9	0.49	0.19	mg/Kg	☼	10/27/15 23:06	1
Pentachlorophenol	3.9	U	10	3.9	1.9	mg/Kg	☼	10/27/15 23:06	1
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 23:06	1
1,2,4,5-Tetrachlorobenzene	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/27/15 23:06	1
2,3,4,6-Tetrachlorophenol	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 23:06	1
2,4,5-Trichlorophenol	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 23:06	1
2,4,6-Trichlorophenol	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*58 - 130*	*10/20/15 17:05*	*10/27/15 23:06*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/20/15 17:05*	*10/27/15 23:06*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 130*	*10/20/15 17:05*	*10/27/15 23:06*	*1*
Phenol-d5 (Surr)	*57*		*49 - 130*	*10/20/15 17:05*	*10/27/15 23:06*	*1*
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/20/15 17:05*	*10/27/15 23:06*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/20/15 17:05*	*10/27/15 23:06*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**7100**	**D**	110	21	3.3	mg/Kg	☼	10/23/15 14:11	10
Antimony	**0.19**	**J D**	2.1	0.80	0.074	mg/Kg	☼	10/23/15 14:11	10
Arsenic	**0.95**	**J D**	5.3	0.80	0.14	mg/Kg	☼	10/23/15 14:11	10
Barium	**14**	**D**	5.3	1.6	1.2	mg/Kg	☼	10/23/15 14:11	10
Beryllium	**0.098**	**J D**	1.1	0.53	0.058	mg/Kg	☼	10/23/15 14:11	10
Cadmium	**1.2**	**J D**	2.1	0.053	0.020	mg/Kg	☼	10/23/15 14:11	10
Calcium	**31000**	**D**	2100	530	120	mg/Kg	☼	10/23/15 14:11	10
Chromium	**110**	**D**	5.3	2.4	0.32	mg/Kg	☼	10/23/15 14:11	10
Cobalt	**14**	**D**	1.1	0.080	0.0090	mg/Kg	☼	10/23/15 14:11	10
Copper	**20**	**D**	4.3	1.6	0.52	mg/Kg	☼	10/23/15 14:11	10
Iron	**15000**	**D**	530	160	17	mg/Kg	☼	10/23/15 14:11	10
Lead	**130**	**D**	3.2	1.1	0.24	mg/Kg	☼	10/23/15 14:11	10
Magnesium	**25000**	**D**	1100	130	21	mg/Kg	☼	10/23/15 14:11	10
Manganese	**310**	**D**	5.3	2.1	0.64	mg/Kg	☼	10/23/15 14:11	10

Client Sample ID: AOPSG901

Lab Sample ID: 680-117942-15
Date Collected: 10/11/15 17:10
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 84.7

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nickel	**270**	**D**	5.3	1.3	0.21	mg/Kg	☼	10/23/15 14:11	10
Potassium	**630**	**J D**	1100	53	26	mg/Kg	☼	10/23/15 14:11	10
Selenium	**0.32**	**J D**	5.3	0.32	0.21	mg/Kg	☼	10/23/15 14:11	10
Silver	**0.10**	**J D**	1.1	0.27	0.0074	mg/Kg	☼	10/23/15 14:11	10
Sodium	**150**	**J D**	1100	210	46	mg/Kg	☼	10/23/15 14:11	10
Thallium	0.80	U	2.1	0.80	0.10	mg/Kg	☼	10/23/15 14:11	10
V	**33**	**D**	5.3	0.53	0.20	mg/Kg	☼	10/23/15 14:11	10
Zinc	**75**	**D**	43	11	2.7	mg/Kg	☼	10/23/15 14:11	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.037**	**J**	0.12	0.038	0.016	mg/Kg	☼	10/26/15 16:49	1

Client Sample ID: AOPSD801

Lab Sample ID: 680-117942-16
Date Collected: 10/11/15 15:40
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 52.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Acenaphthylene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Anthracene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Benzo[a]anthracene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Benzo[a]pyrene	**0.15**	**J D**	0.63	0.31	0.11	mg/Kg	☼	10/23/15 18:44	10
Benzo[b]fluoranthene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Benzo[g,h,i]perylene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Benzo[k]fluoranthene	0.31	U	0.63	0.31	0.19	mg/Kg	☼	10/23/15 18:44	10
Chrysene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Fluoranthene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Fluorene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Indeno[1,2,3-cd]pyrene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Dibenz(a,h)anthracene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Naphthalene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
Phenanthrene	0.31	U	0.63	0.31	0.23	mg/Kg	☼	10/23/15 18:44	10
Pyrene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10
1-Methylnaphthalene	0.31	U	0.63	0.31	0.29	mg/Kg	☼	10/23/15 18:44	10
2-Methylnaphthalene	0.63	U	0.63	0.63	0.31	mg/Kg	☼	10/23/15 18:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 18:44*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.64	U	3.1	0.64	0.27	mg/Kg	☼	10/27/15 23:30	1
Atrazine	0.64	U	3.1	0.64	0.22	mg/Kg	☼	10/27/15 23:30	1
Benzaldehyde	1.6	U Q	3.1	1.6	0.55	mg/Kg	☼	10/27/15 23:30	1
1,1'-Biphenyl	16	U	16	16	16	mg/Kg	☼	10/27/15 23:30	1
Bis(2-chloroethoxy)methane	0.64	U	3.1	0.64	0.37	mg/Kg	☼	10/27/15 23:30	1
Bis(2-chloroethyl)ether	1.6	U	3.1	1.6	0.43	mg/Kg	☼	10/27/15 23:30	1
bis (2-chloroisopropyl) ether	0.64	U	3.1	0.64	0.28	mg/Kg	☼	10/27/15 23:30	1

Client Sample ID: AOPSD801

Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16

Matrix: Solid
Percent Solids: 52.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.42**	**J**	3.1	0.64	0.28	mg/Kg	☼	10/27/15 23:30	1
4-Bromophenyl phenyl ether	0.64	U	3.1	0.64	0.34	mg/Kg	☼	10/27/15 23:30	1
Butyl benzyl phthalate	0.64	U	3.1	0.64	0.25	mg/Kg	☼	10/27/15 23:30	1
Caprolactam	1.6	U	3.1	1.6	0.63	mg/Kg	☼	10/27/15 23:30	1
Carbazole	0.64	U	3.1	0.64	0.28	mg/Kg	☼	10/27/15 23:30	1
4-Chloroaniline	1.6	U	6.3	1.6	0.49	mg/Kg	☼	10/27/15 23:30	1
4-Chloro-3-methylphenol	0.64	U	3.1	0.64	0.33	mg/Kg	☼	10/27/15 23:30	1
2-Chloronaphthalene	0.64	U	3.1	0.64	0.33	mg/Kg	☼	10/27/15 23:30	1
2-Chlorophenol	0.64	U	3.1	0.64	0.38	mg/Kg	☼	10/27/15 23:30	1
4-Chlorophenyl phenyl ether	0.64	U	3.1	0.64	0.42	mg/Kg	☼	10/27/15 23:30	1
Dibenzofuran	0.64	U	3.1	0.64	0.31	mg/Kg	☼	10/27/15 23:30	1
3,3'-Dichlorobenzidine	0.64	U	6.3	0.64	0.27	mg/Kg	☼	10/27/15 23:30	1
2,4-Dichlorophenol	0.64	U	3.1	0.64	0.33	mg/Kg	☼	10/27/15 23:30	1
Diethyl phthalate	0.64	U	3.1	0.64	0.35	mg/Kg	☼	10/27/15 23:30	1
2,4-Dimethylphenol	1.6	U	3.1	1.6	0.42	mg/Kg	☼	10/27/15 23:30	1
Dimethyl phthalate	0.64	U	3.1	0.64	0.32	mg/Kg	☼	10/27/15 23:30	1
Di-n-butyl phthalate	0.64	U	3.1	0.64	0.28	mg/Kg	☼	10/27/15 23:30	1
2-Methyl-4,6-dinitrophenol	3.1	U	16	3.1	1.6	mg/Kg	☼	10/27/15 23:30	1
2,4-Dinitrophenol	12	U	16	12	7.9	mg/Kg	☼	10/27/15 23:30	1
2,4-Dinitrotoluene	1.6	U	3.1	1.6	0.46	mg/Kg	☼	10/27/15 23:30	1
2,6-Dinitrotoluene	0.64	U	3.1	0.64	0.40	mg/Kg	☼	10/27/15 23:30	1
Di-n-octyl phthalate	0.64	U	3.1	0.64	0.28	mg/Kg	☼	10/27/15 23:30	1
1,4-Dioxane	3.1	U	3.1	3.1	1.1	mg/Kg	☼	10/27/15 23:30	1
Hexachlorobenzene	0.64	U	3.1	0.64	0.37	mg/Kg	☼	10/27/15 23:30	1
Hexachlorobutadiene	0.64	U	3.1	0.64	0.34	mg/Kg	☼	10/27/15 23:30	1
Hexachlorocyclopentadiene	0.64	U Q	3.1	0.64	0.39	mg/Kg	☼	10/27/15 23:30	1
Hexachloroethane	0.64	U	3.1	0.64	0.27	mg/Kg	☼	10/27/15 23:30	1
Isophorone	0.64	U	3.1	0.64	0.31	mg/Kg	☼	10/27/15 23:30	1
2-Methylphenol	0.64	U	3.1	0.64	0.26	mg/Kg	☼	10/27/15 23:30	1
3 & 4 Methylphenol	0.64	U	3.1	0.64	0.41	mg/Kg	☼	10/27/15 23:30	1
2-Nitroaniline	0.64	U	16	0.64	0.43	mg/Kg	☼	10/27/15 23:30	1
3-Nitroaniline	1.6	U	16	1.6	0.44	mg/Kg	☼	10/27/15 23:30	1
4-Nitroaniline	1.6	U	16	1.6	0.46	mg/Kg	☼	10/27/15 23:30	1
Nitrobenzene	0.64	U	3.1	0.64	0.25	mg/Kg	☼	10/27/15 23:30	1
2-Nitrophenol	0.64	U	3.1	0.64	0.39	mg/Kg	☼	10/27/15 23:30	1
4-Nitrophenol	6.4	U	16	6.4	3.1	mg/Kg	☼	10/27/15 23:30	1
N-Nitrosodi-n-propylamine	0.64	U	3.1	0.64	0.30	mg/Kg	☼	10/27/15 23:30	1
N-Nitrosodiphenylamine	0.79	U	3.1	0.79	0.31	mg/Kg	☼	10/27/15 23:30	1
Pentachlorophenol	6.4	U	16	6.4	3.1	mg/Kg	☼	10/27/15 23:30	1
Phenol	0.64	U	3.1	0.64	0.32	mg/Kg	☼	10/27/15 23:30	1
1,2,4,5-Tetrachlorobenzene	0.64	U	3.1	0.64	0.29	mg/Kg	☼	10/27/15 23:30	1
2,3,4,6-Tetrachlorophenol	0.64	U	3.1	0.64	0.21	mg/Kg	☼	10/27/15 23:30	1
2,4,5-Trichlorophenol	0.64	U	3.1	0.64	0.33	mg/Kg	☼	10/27/15 23:30	1
2,4,6-Trichlorophenol	0.64	U	3.1	0.64	0.28	mg/Kg	☼	10/27/15 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*58 - 130*	*10/20/15 17:05*	*10/27/15 23:30*	*1*
2-Fluorophenol (Surr)	*57*		*40 - 130*	*10/20/15 17:05*	*10/27/15 23:30*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 130*	*10/20/15 17:05*	*10/27/15 23:30*	*1*
Phenol-d5 (Surr)	*56*		*49 - 130*	*10/20/15 17:05*	*10/27/15 23:30*	*1*

Client Sample ID: AOPSD801

Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16

Matrix: Solid
Percent Solids: 52.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*64*		*60 - 130*	*10/20/15 17:05*	*10/27/15 23:30*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/20/15 17:05*	*10/27/15 23:30*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**25000**	**D**	190	37	5.8	mg/Kg	☼	10/23/15 14:14	10
Antimony	**0.54**	**J D**	3.7	1.4	0.13	mg/Kg	☼	10/23/15 14:14	10
Arsenic	**2.0**	**J D**	9.3	1.4	0.24	mg/Kg	☼	10/23/15 14:14	10
Barium	**72**	**D**	9.3	2.8	2.0	mg/Kg	☼	10/23/15 14:14	10
Beryllium	**0.23**	**J D**	1.9	0.93	0.10	mg/Kg	☼	10/23/15 14:14	10
Cadmium	**0.88**	**J D**	3.7	0.093	0.034	mg/Kg	☼	10/23/15 14:14	10
Calcium	**47000**	**D**	3700	930	200	mg/Kg	☼	10/23/15 14:14	10
Chromium	**320**	**D**	9.3	4.2	0.56	mg/Kg	☼	10/23/15 14:14	10
Cobalt	**58**	**D**	1.9	0.14	0.016	mg/Kg	☼	10/23/15 14:14	10
Copper	**56**	**D**	7.4	2.8	0.90	mg/Kg	☼	10/23/15 14:14	10
Iron	**45000**	**D**	930	280	30	mg/Kg	☼	10/23/15 14:14	10
Lead	**100**	**D**	5.6	1.9	0.42	mg/Kg	☼	10/23/15 14:14	10
Magnesium	**130000**	**D**	3700	470	74	mg/Kg	☼	10/22/15 17:06	20
Manganese	**930**	**D**	9.3	3.7	1.1	mg/Kg	☼	10/23/15 14:14	10
Nickel	**1100**	**D**	9.3	2.3	0.36	mg/Kg	☼	10/23/15 14:14	10
Potassium	**940**	**J D**	1900	93	46	mg/Kg	☼	10/23/15 14:14	10
Selenium	**0.88**	**J D**	9.3	0.56	0.37	mg/Kg	☼	10/23/15 14:14	10
Silver	**0.16**	**J D**	1.9	0.47	0.013	mg/Kg	☼	10/23/15 14:14	10
Sodium	**270**	**J D**	1900	370	81	mg/Kg	☼	10/23/15 14:14	10
Thallium	1.4	U	3.7	1.4	0.18	mg/Kg	☼	10/23/15 14:14	10
V	**85**	**D**	9.3	0.93	0.34	mg/Kg	☼	10/23/15 14:14	10
Zinc	**240**	**D**	74	19	4.7	mg/Kg	☼	10/23/15 14:14	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.037**	**J**	0.20	0.066	0.028	mg/Kg	☼	10/26/15 16:54	1

Client Sample ID: AOPSD701

Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17

Matrix: Solid
Percent Solids: 91.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Acenaphthylene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Anthracene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Benzo[a]anthracene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Benzo[a]pyrene	0.18	U	0.37	0.18	0.066	mg/Kg	☼	10/23/15 17:32	10
Benzo[b]fluoranthene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Benzo[g,h,i]perylene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Benzo[k]fluoranthene	0.18	U	0.37	0.18	0.11	mg/Kg	☼	10/23/15 17:32	10
Chrysene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Fluoranthene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Fluorene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Indeno[1,2,3-cd]pyrene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10

Client Sample ID: AOPSD701

Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17

Matrix: Solid
Percent Solids: 91.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Naphthalene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
Phenanthrene	0.18	U	0.37	0.18	0.13	mg/Kg	☼	10/23/15 17:32	10
Pyrene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10
1-Methylnaphthalene	0.18	U	0.37	0.18	0.17	mg/Kg	☼	10/23/15 17:32	10
2-Methylnaphthalene	0.37	U	0.37	0.37	0.18	mg/Kg	☼	10/23/15 17:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 17:32*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 23:53	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 23:53	1
Benzaldehyde	0.92	U Q	1.8	0.92	0.31	mg/Kg	☼	10/27/15 23:53	1
1,1'-Biphenyl	9.2	U	9.2	9.2	9.2	mg/Kg	☼	10/27/15 23:53	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 23:53	1
Bis(2-chloroethyl)ether	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 23:53	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 23:53	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 23:53	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 23:53	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 23:53	1
Caprolactam	0.92	U	1.8	0.92	0.36	mg/Kg	☼	10/27/15 23:53	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 23:53	1
4-Chloroaniline	0.92	U	3.6	0.92	0.28	mg/Kg	☼	10/27/15 23:53	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 23:53	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 23:53	1
2-Chlorophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 23:53	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	10/27/15 23:53	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 23:53	1
3,3'-Dichlorobenzidine	0.36	U	3.6	0.36	0.15	mg/Kg	☼	10/27/15 23:53	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 23:53	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 23:53	1
2,4-Dimethylphenol	0.92	U	1.8	0.92	0.24	mg/Kg	☼	10/27/15 23:53	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 23:53	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 23:53	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.2	1.8	0.92	mg/Kg	☼	10/27/15 23:53	1
2,4-Dinitrophenol	7.1	U	9.2	7.1	4.5	mg/Kg	☼	10/27/15 23:53	1
2,4-Dinitrotoluene	0.92	U	1.8	0.92	0.27	mg/Kg	☼	10/27/15 23:53	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 23:53	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 23:53	1
1,4-Dioxane	1.8	U	1.8	1.8	0.65	mg/Kg	☼	10/27/15 23:53	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/27/15 23:53	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/27/15 23:53	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	10/27/15 23:53	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 23:53	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 23:53	1
2-Methylphenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/27/15 23:53	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/27/15 23:53	1
2-Nitroaniline	0.36	U	9.2	0.36	0.24	mg/Kg	☼	10/27/15 23:53	1

Client Sample ID: AOPSD701

Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17

Matrix: Solid
Percent Solids: 91.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3-Nitroaniline	0.92	U	9.2	0.92	0.25	mg/Kg	☼	10/27/15 23:53	1
4-Nitroaniline	0.92	U	9.2	0.92	0.27	mg/Kg	☼	10/27/15 23:53	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/27/15 23:53	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/27/15 23:53	1
4-Nitrophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 23:53	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 23:53	1
N-Nitrosodiphenylamine	0.45	U	1.8	0.45	0.18	mg/Kg	☼	10/27/15 23:53	1
Pentachlorophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	10/27/15 23:53	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/27/15 23:53	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/27/15 23:53	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/27/15 23:53	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/27/15 23:53	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/27/15 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*58 - 130*	*10/20/15 17:05*	*10/27/15 23:53*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/20/15 17:05*	*10/27/15 23:53*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/20/15 17:05*	*10/27/15 23:53*	*1*
Phenol-d5 (Surr)	*58*		*49 - 130*	*10/20/15 17:05*	*10/27/15 23:53*	*1*
Terphenyl-d14 (Surr)	*69*		*60 - 130*	*10/20/15 17:05*	*10/27/15 23:53*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*	*10/20/15 17:05*	*10/27/15 23:53*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**11000**	**D**	110	21	3.3	mg/Kg	☼	10/23/15 14:18	10
Antimony	**0.23**	**J D**	2.1	0.79	0.074	mg/Kg	☼	10/23/15 14:18	10
Arsenic	**2.3**	**J D**	5.3	0.79	0.14	mg/Kg	☼	10/23/15 14:18	10
Barium	**42**	**D**	5.3	1.6	1.2	mg/Kg	☼	10/23/15 14:18	10
Beryllium	**0.18**	**J D**	1.1	0.53	0.058	mg/Kg	☼	10/23/15 14:18	10
Cadmium	**0.18**	**J D**	2.1	0.053	0.019	mg/Kg	☼	10/23/15 14:18	10
Calcium	**70000**	**D**	4200	1100	230	mg/Kg	☼	10/22/15 17:09	20
Chromium	**170**	**D**	5.3	2.4	0.32	mg/Kg	☼	10/23/15 14:18	10
Cobalt	**17**	**D**	1.1	0.079	0.0090	mg/Kg	☼	10/23/15 14:18	10
Copper	**34**	**D**	4.2	1.6	0.51	mg/Kg	☼	10/23/15 14:18	10
Iron	**23000**	**D**	530	160	17	mg/Kg	☼	10/23/15 14:18	10
Lead	**41**	**D**	3.2	1.1	0.24	mg/Kg	☼	10/23/15 14:18	10
Magnesium	**24000**	**D**	1100	130	21	mg/Kg	☼	10/23/15 14:18	10
Manganese	**400**	**D**	5.3	2.1	0.63	mg/Kg	☼	10/23/15 14:18	10
Nickel	**310**	**D**	5.3	1.3	0.21	mg/Kg	☼	10/23/15 14:18	10
Potassium	**880**	**J D**	1100	53	26	mg/Kg	☼	10/23/15 14:18	10
Selenium	**0.39**	**J D**	5.3	0.32	0.21	mg/Kg	☼	10/23/15 14:18	10
Silver	**0.040**	**J D**	1.1	0.26	0.0074	mg/Kg	☼	10/23/15 14:18	10
Sodium	**240**	**J D**	1100	210	46	mg/Kg	☼	10/23/15 14:18	10
Thallium	0.79	U	2.1	0.79	0.10	mg/Kg	☼	10/23/15 14:18	10
V	**50**	**D**	5.3	0.53	0.19	mg/Kg	☼	10/23/15 14:18	10
Zinc	**55**	**D**	42	11	2.6	mg/Kg	☼	10/23/15 14:18	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.043	U	0.13	0.043	0.018	mg/Kg	☼	10/26/15 16:56	1

Client Sample ID: AOPSD1001

Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18

Matrix: Solid
Percent Solids: 81.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.41	U	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Acenaphthylene	0.41	U	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Anthracene	0.41	U	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Benzo[a]anthracene	**0.67**	**D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Benzo[a]pyrene	**0.75**	**D**	0.41	0.20	0.073	mg/Kg	☼	10/27/15 13:15	10
Benzo[b]fluoranthene	**1.2**	**D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Benzo[g,h,i]perylene	**0.53**	**D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Benzo[k]fluoranthene	**0.46**	**D M**	0.41	0.20	0.12	mg/Kg	☼	10/27/15 13:15	10
Chrysene	**0.92**	**D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Fluoranthene	**1.5**	**D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Fluorene	0.41	U	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Indeno[1,2,3-cd]pyrene	**0.58**	**D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Dibenz(a,h)anthracene	**0.24**	**J D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Naphthalene	0.41	U	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
Phenanthrene	**0.79**	**D**	0.41	0.20	0.15	mg/Kg	☼	10/27/15 13:15	10
Pyrene	**1.1**	**D**	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10
1-Methylnaphthalene	0.20	U	0.41	0.20	0.19	mg/Kg	☼	10/27/15 13:15	10
2-Methylnaphthalene	0.41	U	0.41	0.41	0.20	mg/Kg	☼	10/27/15 13:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/27/15 13:15*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/28/15 23:38	1
Atrazine	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/28/15 23:38	1
Benzaldehyde	1.0	U	2.0	1.0	0.35	mg/Kg	☼	10/28/15 23:38	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/28/15 23:38	1
Bis(2-chloroethoxy)methane	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/28/15 23:38	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/28/15 23:38	1
bis (2-chloroisopropyl) ether	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/28/15 23:38	1
Bis(2-ethylhexyl) phthalate	**0.72**	**J**	2.0	0.41	0.18	mg/Kg	☼	10/28/15 23:38	1
4-Bromophenyl phenyl ether	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 23:38	1
Butyl benzyl phthalate	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/28/15 23:38	1
Caprolactam	1.0	U	2.0	1.0	0.40	mg/Kg	☼	10/28/15 23:38	1
Carbazole	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/28/15 23:38	1
4-Chloroaniline	1.0	U	4.0	1.0	0.32	mg/Kg	☼	10/28/15 23:38	1
4-Chloro-3-methylphenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 23:38	1
2-Chloronaphthalene	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 23:38	1
2-Chlorophenol	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/28/15 23:38	1
4-Chlorophenyl phenyl ether	0.41	U	2.0	0.41	0.27	mg/Kg	☼	10/28/15 23:38	1
Dibenzofuran	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/28/15 23:38	1
3,3'-Dichlorobenzidine	0.41	U	4.0	0.41	0.17	mg/Kg	☼	10/28/15 23:38	1
2,4-Dichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 23:38	1
Diethyl phthalate	0.41	U	2.0	0.41	0.23	mg/Kg	☼	10/28/15 23:38	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/28/15 23:38	1
Dimethyl phthalate	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 23:38	1
Di-n-butyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/28/15 23:38	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/28/15 23:38	1
2,4-Dinitrophenol	7.9	U	10	7.9	5.1	mg/Kg	☼	10/28/15 23:38	1

Client Sample ID: AOPSD1001
Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18
Matrix: Solid
Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.0	U	2.0	1.0	0.30	mg/Kg	☼	10/28/15 23:38	1
2,6-Dinitrotoluene	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/28/15 23:38	1
Di-n-octyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/28/15 23:38	1
1,4-Dioxane	2.0	U	2.0	2.0	0.73	mg/Kg	☼	10/28/15 23:38	1
Hexachlorobenzene	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/28/15 23:38	1
Hexachlorobutadiene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 23:38	1
Hexachlorocyclopentadiene	0.41	U Q	2.0	0.41	0.25	mg/Kg	☼	10/28/15 23:38	1
Hexachloroethane	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/28/15 23:38	1
Isophorone	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/28/15 23:38	1
2-Methylphenol	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/28/15 23:38	1
3 & 4 Methylphenol	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/28/15 23:38	1
2-Nitroaniline	0.41	U	10	0.41	0.27	mg/Kg	☼	10/28/15 23:38	1
3-Nitroaniline	1.0	U	10	1.0	0.28	mg/Kg	☼	10/28/15 23:38	1
4-Nitroaniline	1.0	U	10	1.0	0.30	mg/Kg	☼	10/28/15 23:38	1
Nitrobenzene	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/28/15 23:38	1
2-Nitrophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/28/15 23:38	1
4-Nitrophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/28/15 23:38	1
N-Nitrosodi-n-propylamine	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/28/15 23:38	1
N-Nitrosodiphenylamine	0.51	U	2.0	0.51	0.20	mg/Kg	☼	10/28/15 23:38	1
Pentachlorophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/28/15 23:38	1
Phenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 23:38	1
1,2,4,5-Tetrachlorobenzene	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/28/15 23:38	1
2,3,4,6-Tetrachlorophenol	0.41	U	2.0	0.41	0.13	mg/Kg	☼	10/28/15 23:38	1
2,4,5-Trichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 23:38	1
2,4,6-Trichlorophenol	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/28/15 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*	*Q*	*58 - 130*	*10/20/15 17:05*	*10/28/15 23:38*	*1*
2-Fluorophenol (Surr)	*54*		*40 - 130*	*10/20/15 17:05*	*10/28/15 23:38*	*1*
Nitrobenzene-d5 (Surr)	*52*		*46 - 130*	*10/20/15 17:05*	*10/28/15 23:38*	*1*
Phenol-d5 (Surr)	*56*		*49 - 130*	*10/20/15 17:05*	*10/28/15 23:38*	*1*
Terphenyl-d14 (Surr)	*60*		*60 - 130*	*10/20/15 17:05*	*10/28/15 23:38*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*58 - 130*	*10/20/15 17:05*	*10/28/15 23:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/04/15 04:57	1
Atrazine	0.38	U H	1.9	0.38	0.13	mg/Kg	☼	11/04/15 04:57	1
Benzaldehyde	0.97	U H	1.9	0.97	0.33	mg/Kg	☼	11/04/15 04:57	1
1,1'-Biphenyl	9.7	U H	9.7	9.7	9.7	mg/Kg	☼	11/04/15 04:57	1
Bis(2-chloroethoxy)methane	0.38	U H	1.9	0.38	0.22	mg/Kg	☼	11/04/15 04:57	1
Bis(2-chloroethyl)ether	0.97	U H	1.9	0.97	0.26	mg/Kg	☼	11/04/15 04:57	1
bis (2-chloroisopropyl) ether	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 04:57	1
Bis(2-ethylhexyl) phthalate	**0.47**	**J H**	1.9	0.38	0.16	mg/Kg	☼	11/04/15 04:57	1
4-Bromophenyl phenyl ether	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 04:57	1
Butyl benzyl phthalate	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/04/15 04:57	1
Caprolactam	0.97	U H	1.9	0.97	0.37	mg/Kg	☼	11/04/15 04:57	1
Carbazole	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 04:57	1
4-Chloroaniline	0.97	U H	3.7	0.97	0.30	mg/Kg	☼	11/04/15 04:57	1
4-Chloro-3-methylphenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 04:57	1

Client Sample ID: AOPSD1001

Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18

Matrix: Solid
Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 04:57	1
2-Chlorophenol	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/04/15 04:57	1
4-Chlorophenyl phenyl ether	0.38	U H	1.9	0.38	0.25	mg/Kg	☼	11/04/15 04:57	1
Dibenzofuran	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 04:57	1
3,3'-Dichlorobenzidine	0.38	U H	3.7	0.38	0.16	mg/Kg	☼	11/04/15 04:57	1
2,4-Dichlorophenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 04:57	1
Diethyl phthalate	0.38	U H	1.9	0.38	0.21	mg/Kg	☼	11/04/15 04:57	1
2,4-Dimethylphenol	0.97	U H	1.9	0.97	0.25	mg/Kg	☼	11/04/15 04:57	1
Dimethyl phthalate	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 04:57	1
Di-n-butyl phthalate	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 04:57	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.7	1.9	0.97	mg/Kg	☼	11/04/15 04:57	1
2,4-Dinitrophenol	7.4	U H	9.7	7.4	4.7	mg/Kg	☼	11/04/15 04:57	1
2,4-Dinitrotoluene	0.97	U H	1.9	0.97	0.28	mg/Kg	☼	11/04/15 04:57	1
2,6-Dinitrotoluene	0.38	U H	1.9	0.38	0.24	mg/Kg	☼	11/04/15 04:57	1
Di-n-octyl phthalate	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/04/15 04:57	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.68	mg/Kg	☼	11/04/15 04:57	1
Hexachlorobenzene	0.38	U H	1.9	0.38	0.22	mg/Kg	☼	11/04/15 04:57	1
Hexachlorobutadiene	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 04:57	1
Hexachlorocyclopentadiene	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/04/15 04:57	1
Hexachloroethane	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/04/15 04:57	1
Isophorone	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 04:57	1
2-Methylphenol	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/04/15 04:57	1
3 & 4 Methylphenol	0.38	U H	1.9	0.38	0.24	mg/Kg	☼	11/04/15 04:57	1
2-Nitroaniline	0.38	U H	9.7	0.38	0.26	mg/Kg	☼	11/04/15 04:57	1
3-Nitroaniline	0.97	U H	9.7	0.97	0.26	mg/Kg	☼	11/04/15 04:57	1
4-Nitroaniline	0.97	U H	9.7	0.97	0.28	mg/Kg	☼	11/04/15 04:57	1
Nitrobenzene	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/04/15 04:57	1
2-Nitrophenol	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/04/15 04:57	1
4-Nitrophenol	3.8	U H	9.7	3.8	1.9	mg/Kg	☼	11/04/15 04:57	1
N-Nitrosodi-n-propylamine	0.38	U H	1.9	0.38	0.18	mg/Kg	☼	11/04/15 04:57	1
N-Nitrosodiphenylamine	0.47	U H	1.9	0.47	0.19	mg/Kg	☼	11/04/15 04:57	1
Pentachlorophenol	3.8	U H	9.7	3.8	1.9	mg/Kg	☼	11/04/15 04:57	1
Phenol	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 04:57	1
1,2,4,5-Tetrachlorobenzene	0.38	U H	1.9	0.38	0.18	mg/Kg	☼	11/04/15 04:57	1
2,3,4,6-Tetrachlorophenol	0.38	U H	1.9	0.38	0.12	mg/Kg	☼	11/04/15 04:57	1
2,4,5-Trichlorophenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 04:57	1
2,4,6-Trichlorophenol	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/04/15 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 04:57*	*1*
2-Fluorophenol (Surr)	*46*		*40 - 130*	*11/02/15 11:31*	*11/04/15 04:57*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 130*	*11/02/15 11:31*	*11/04/15 04:57*	*1*
Phenol-d5 (Surr)	*52*		*49 - 130*	*11/02/15 11:31*	*11/04/15 04:57*	*1*
Terphenyl-d14 (Surr)	*57*	*Q*	*60 - 130*	*11/02/15 11:31*	*11/04/15 04:57*	*1*
2,4,6-Tribromophenol (Surr)	*56*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 04:57*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**5200**	**D**	110	23	3.6	mg/Kg	☼	10/23/15 14:22	10
Antimony	**0.52**	**J D**	2.3	0.86	0.080	mg/Kg	☼	10/23/15 14:22	10

Client Sample ID: AOPSD1001

Lab Sample ID: 680-117942-18

Date Collected: 10/11/15 15:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.6

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.3	J D	5.7	0.86	0.15	mg/Kg	☼	10/23/15 14:22	10
Barium	850	D	5.7	1.7	1.3	mg/Kg	☼	10/23/15 14:22	10
Beryllium	0.10	J D	1.1	0.57	0.063	mg/Kg	☼	10/23/15 14:22	10
Cadmium	1.3	J D	2.3	0.057	0.021	mg/Kg	☼	10/23/15 14:22	10
Calcium	82000	D	4600	1100	250	mg/Kg	☼	10/22/15 17:13	20
Chromium	95	D	5.7	2.6	0.34	mg/Kg	☼	10/23/15 14:22	10
Cobalt	11	D	1.1	0.086	0.0097	mg/Kg	☼	10/23/15 14:22	10
Copper	32	D	4.6	1.7	0.56	mg/Kg	☼	10/23/15 14:22	10
Iron	12000	D	570	170	18	mg/Kg	☼	10/23/15 14:22	10
Lead	150	D	3.4	1.1	0.26	mg/Kg	☼	10/23/15 14:22	10
Magnesium	25000	D	1100	140	23	mg/Kg	☼	10/23/15 14:22	10
Manganese	260	D	5.7	2.3	0.69	mg/Kg	☼	10/23/15 14:22	10
Nickel	190	D	5.7	1.4	0.22	mg/Kg	☼	10/23/15 14:22	10
Potassium	360	J D	1100	57	28	mg/Kg	☼	10/23/15 14:22	10
Selenium	0.34	J D	5.7	0.34	0.23	mg/Kg	☼	10/23/15 14:22	10
Silver	0.097	J D	1.1	0.29	0.0080	mg/Kg	☼	10/23/15 14:22	10
Sodium	200	J D	1100	230	50	mg/Kg	☼	10/23/15 14:22	10
Thallium	0.86	U	2.3	0.86	0.11	mg/Kg	☼	10/23/15 14:22	10
V	37	D	5.7	0.57	0.21	mg/Kg	☼	10/23/15 14:22	10
Zinc	410	D	46	11	2.9	mg/Kg	☼	10/23/15 14:22	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.022	J	0.13	0.044	0.019	mg/Kg	☼	10/26/15 16:59	1

Client Sample ID: AOPSG601

Lab Sample ID: 680-117942-19

Date Collected: 10/11/15 17:50
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 96.0

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.35	U	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Acenaphthylene	0.35	U	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Anthracene	0.35	U	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Benzo[a]anthracene	0.62	J D	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Benzo[a]pyrene	0.92	J D	0.35	0.17	0.062	mg/Kg	☼	10/27/15 13:40	10
Benzo[b]fluoranthene	1.4	J D M	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Benzo[g,h,i]perylene	0.67	J D	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Benzo[k]fluoranthene	0.72	J D M	0.35	0.17	0.10	mg/Kg	☼	10/27/15 13:40	10
Chrysene	0.86	J D	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Fluoranthene	0.92	J D	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Fluorene	0.35	U J	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Indeno[1,2,3-cd]pyrene	0.79	J D	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Dibenz(a,h)anthracene	0.26	J D	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Naphthalene	0.35	U	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
Phenanthrene	0.37	J D	0.35	0.17	0.12	mg/Kg	☼	10/27/15 13:40	10
Pyrene	0.70	J D	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10
1-Methylnaphthalene	0.17	U	0.35	0.17	0.16	mg/Kg	☼	10/27/15 13:40	10
2-Methylnaphthalene	0.35	U	0.35	0.35	0.17	mg/Kg	☼	10/27/15 13:40	10

Client Sample ID: AOPSG601

Date Collected: 10/11/15 17:50
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-19

Matrix: Solid
Percent Solids: 96.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	0	D	36 - 131	10/21/15 09:44	10/27/15 13:40	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.35	U	1.7	0.35	0.14	mg/Kg	☼	10/29/15 00:03	1
Atrazine	0.35	U	1.7	0.35	0.12	mg/Kg	☼	10/29/15 00:03	1
Benzaldehyde	0.88	U	1.7	0.88	0.30	mg/Kg	☼	10/29/15 00:03	1
1,1'-Biphenyl	8.8	U	8.8	8.8	8.8	mg/Kg	☼	10/29/15 00:03	1
Bis(2-chloroethoxy)methane	0.35	U	1.7	0.35	0.20	mg/Kg	☼	10/29/15 00:03	1
Bis(2-chloroethyl)ether	0.88	U	1.7	0.88	0.23	mg/Kg	☼	10/29/15 00:03	1
bis (2-chloroisopropyl) ether	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/29/15 00:03	1
Bis(2-ethylhexyl) phthalate	**0.15**	**J**	1.7	0.35	0.15	mg/Kg	☼	10/29/15 00:03	1
4-Bromophenyl phenyl ether	0.35	U	1.7	0.35	0.19	mg/Kg	☼	10/29/15 00:03	1
Butyl benzyl phthalate	0.35	U	1.7	0.35	0.13	mg/Kg	☼	10/29/15 00:03	1
Caprolactam	0.88	U	1.7	0.88	0.34	mg/Kg	☼	10/29/15 00:03	1
Carbazole	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/29/15 00:03	1
4-Chloroaniline	0.88	U	3.4	0.88	0.27	mg/Kg	☼	10/29/15 00:03	1
4-Chloro-3-methylphenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/29/15 00:03	1
2-Chloronaphthalene	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/29/15 00:03	1
2-Chlorophenol	0.35	U	1.7	0.35	0.21	mg/Kg	☼	10/29/15 00:03	1
4-Chlorophenyl phenyl ether	0.35	U	1.7	0.35	0.23	mg/Kg	☼	10/29/15 00:03	1
Dibenzofuran	0.35	U	1.7	0.35	0.17	mg/Kg	☼	10/29/15 00:03	1
3,3'-Dichlorobenzidine	0.35	U	3.4	0.35	0.14	mg/Kg	☼	10/29/15 00:03	1
2,4-Dichlorophenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/29/15 00:03	1
Diethyl phthalate	0.35	U	1.7	0.35	0.19	mg/Kg	☼	10/29/15 00:03	1
2,4-Dimethylphenol	0.88	U	1.7	0.88	0.23	mg/Kg	☼	10/29/15 00:03	1
Dimethyl phthalate	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/29/15 00:03	1
Di-n-butyl phthalate	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/29/15 00:03	1
2-Methyl-4,6-dinitrophenol	1.7	U	8.8	1.7	0.88	mg/Kg	☼	10/29/15 00:03	1
2,4-Dinitrophenol	6.7	U	8.8	6.7	4.3	mg/Kg	☼	10/29/15 00:03	1
2,4-Dinitrotoluene	0.88	U	1.7	0.88	0.25	mg/Kg	☼	10/29/15 00:03	1
2,6-Dinitrotoluene	0.35	U	1.7	0.35	0.22	mg/Kg	☼	10/29/15 00:03	1
Di-n-octyl phthalate	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/29/15 00:03	1
1,4-Dioxane	1.7	U	1.7	1.7	0.62	mg/Kg	☼	10/29/15 00:03	1
Hexachlorobenzene	0.35	U	1.7	0.35	0.20	mg/Kg	☼	10/29/15 00:03	1
Hexachlorobutadiene	0.35	U	1.7	0.35	0.19	mg/Kg	☼	10/29/15 00:03	1
Hexachlorocyclopentadiene	0.35	U Q	1.7	0.35	0.21	mg/Kg	☼	10/29/15 00:03	1
Hexachloroethane	0.35	U	1.7	0.35	0.14	mg/Kg	☼	10/29/15 00:03	1
Isophorone	0.35	U	1.7	0.35	0.17	mg/Kg	☼	10/29/15 00:03	1
2-Methylphenol	0.35	U	1.7	0.35	0.14	mg/Kg	☼	10/29/15 00:03	1
3 & 4 Methylphenol	0.35	U	1.7	0.35	0.22	mg/Kg	☼	10/29/15 00:03	1
2-Nitroaniline	0.35	U	8.8	0.35	0.23	mg/Kg	☼	10/29/15 00:03	1
3-Nitroaniline	0.88	U	8.8	0.88	0.24	mg/Kg	☼	10/29/15 00:03	1
4-Nitroaniline	0.88	U	8.8	0.88	0.25	mg/Kg	☼	10/29/15 00:03	1
Nitrobenzene	0.35	U	1.7	0.35	0.13	mg/Kg	☼	10/29/15 00:03	1
2-Nitrophenol	0.35	U	1.7	0.35	0.21	mg/Kg	☼	10/29/15 00:03	1
4-Nitrophenol	3.5	U	8.8	3.5	1.7	mg/Kg	☼	10/29/15 00:03	1
N-Nitrosodi-n-propylamine	0.35	U	1.7	0.35	0.17	mg/Kg	☼	10/29/15 00:03	1
N-Nitrosodiphenylamine	0.43	U	1.7	0.43	0.17	mg/Kg	☼	10/29/15 00:03	1
Pentachlorophenol	3.5	U	8.8	3.5	1.7	mg/Kg	☼	10/29/15 00:03	1

Client Sample ID: AOPSG601

Date Collected: 10/11/15 17:50
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-19

Matrix: Solid
Percent Solids: 96.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/29/15 00:03	1
1,2,4,5-Tetrachlorobenzene	0.35	U	1.7	0.35	0.16	mg/Kg	☼	10/29/15 00:03	1
2,3,4,6-Tetrachlorophenol	0.35	U	1.7	0.35	0.11	mg/Kg	☼	10/29/15 00:03	1
2,4,5-Trichlorophenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/29/15 00:03	1
2,4,6-Trichlorophenol	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/29/15 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*58 - 130*	*10/20/15 17:05*	*10/29/15 00:03*	*1*
2-Fluorophenol (Surr)	*53*		*40 - 130*	*10/20/15 17:05*	*10/29/15 00:03*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*10/20/15 17:05*	*10/29/15 00:03*	*1*
Phenol-d5 (Surr)	*52*		*49 - 130*	*10/20/15 17:05*	*10/29/15 00:03*	*1*
Terphenyl-d14 (Surr)	*62*		*60 - 130*	*10/20/15 17:05*	*10/29/15 00:03*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*58 - 130*	*10/20/15 17:05*	*10/29/15 00:03*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9800**	**D**	78	16	2.4	mg/Kg	☼	10/23/15 14:25	10
Antimony	**0.13**	**J D**	1.6	0.58	0.054	mg/Kg	☼	10/23/15 14:25	10
Arsenic	**2.7**	**J D**	3.9	0.58	0.10	mg/Kg	☼	10/23/15 14:25	10
Barium	**62**	**D**	3.9	1.2	0.85	mg/Kg	☼	10/23/15 14:25	10
Beryllium	**0.15**	**J D**	0.78	0.39	0.043	mg/Kg	☼	10/23/15 14:25	10
Cadmium	**0.20**	**J D**	1.6	0.039	0.014	mg/Kg	☼	10/23/15 14:25	10
Calcium	**70000**	**D**	3100	780	170	mg/Kg	☼	10/22/15 17:17	20
Chromium	**170**	**D**	3.9	1.7	0.23	mg/Kg	☼	10/23/15 14:25	10
Cobalt	**16**	**D**	0.78	0.058	0.0066	mg/Kg	☼	10/23/15 14:25	10
Copper	**33**	**D**	3.1	1.2	0.38	mg/Kg	☼	10/23/15 14:25	10
Iron	**27000**	**D**	390	120	12	mg/Kg	☼	10/23/15 14:25	10
Lead	**27**	**D**	2.3	0.78	0.17	mg/Kg	☼	10/23/15 14:25	10
Magnesium	**34000**	**D**	780	97	16	mg/Kg	☼	10/23/15 14:25	10
Manganese	**1300**	**D**	3.9	1.6	0.47	mg/Kg	☼	10/23/15 14:25	10
Nickel	**280**	**D**	3.9	0.97	0.15	mg/Kg	☼	10/23/15 14:25	10
Potassium	**500**	**J D**	780	39	19	mg/Kg	☼	10/23/15 14:25	10
Selenium	**0.47**	**J D**	3.9	0.23	0.16	mg/Kg	☼	10/23/15 14:25	10
Silver	**0.043**	**J D**	0.78	0.19	0.0054	mg/Kg	☼	10/23/15 14:25	10
Sodium	**320**	**J D**	780	160	34	mg/Kg	☼	10/23/15 14:25	10
Thallium	0.58	U	1.6	0.58	0.074	mg/Kg	☼	10/23/15 14:25	10
V	**66**	**D**	3.9	0.39	0.14	mg/Kg	☼	10/23/15 14:25	10
Zinc	**130**	**D**	31	7.8	1.9	mg/Kg	☼	10/23/15 14:25	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.036	U	0.11	0.036	0.015	mg/Kg	☼	10/26/15 17:01	1

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid
Percent Solids: 46.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10

Client Sample ID: AOPSF1001
Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20
Matrix: Solid
Percent Solids: 46.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthylene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Anthracene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Benzo[a]anthracene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Benzo[a]pyrene	**0.23**	**J D**	0.72	0.35	0.13	mg/Kg	☼	10/23/15 20:21	10
Benzo[b]fluoranthene	**0.38**	**J D**	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Benzo[g,h,i]perylene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Benzo[k]fluoranthene	0.35	U	0.72	0.35	0.22	mg/Kg	☼	10/23/15 20:21	10
Chrysene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Fluoranthene	**0.41**	**J D**	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Fluorene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Indeno[1,2,3-cd]pyrene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Dibenz(a,h)anthracene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Naphthalene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
Phenanthrene	0.35	U	0.72	0.35	0.26	mg/Kg	☼	10/23/15 20:21	10
Pyrene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10
1-Methylnaphthalene	0.35	U	0.72	0.35	0.33	mg/Kg	☼	10/23/15 20:21	10
2-Methylnaphthalene	0.72	U	0.72	0.72	0.35	mg/Kg	☼	10/23/15 20:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/21/15 09:44*	*10/23/15 20:21*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.72	U	3.6	0.72	0.30	mg/Kg	☼	10/29/15 00:27	1
Atrazine	0.72	U	3.6	0.72	0.25	mg/Kg	☼	10/29/15 00:27	1
Benzaldehyde	1.8	U	3.6	1.8	0.63	mg/Kg	☼	10/29/15 00:27	1
1,1'-Biphenyl	18	U	18	18	18	mg/Kg	☼	10/29/15 00:27	1
Bis(2-chloroethoxy)methane	0.72	U	3.6	0.72	0.42	mg/Kg	☼	10/29/15 00:27	1
Bis(2-chloroethyl)ether	1.8	U	3.6	1.8	0.49	mg/Kg	☼	10/29/15 00:27	1
bis (2-chloroisopropyl) ether	0.72	U	3.6	0.72	0.32	mg/Kg	☼	10/29/15 00:27	1
Bis(2-ethylhexyl) phthalate	**1.1**	**J**	3.6	0.72	0.31	mg/Kg	☼	10/29/15 00:27	1
4-Bromophenyl phenyl ether	0.72	U	3.6	0.72	0.39	mg/Kg	☼	10/29/15 00:27	1
Butyl benzyl phthalate	0.72	U	3.6	0.72	0.28	mg/Kg	☼	10/29/15 00:27	1
Caprolactam	1.8	U	3.6	1.8	0.71	mg/Kg	☼	10/29/15 00:27	1
Carbazole	0.72	U	3.6	0.72	0.32	mg/Kg	☼	10/29/15 00:27	1
4-Chloroaniline	1.8	U	7.1	1.8	0.56	mg/Kg	☼	10/29/15 00:27	1
4-Chloro-3-methylphenol	0.72	U	3.6	0.72	0.38	mg/Kg	☼	10/29/15 00:27	1
2-Chloronaphthalene	0.72	U	3.6	0.72	0.38	mg/Kg	☼	10/29/15 00:27	1
2-Chlorophenol	0.72	U	3.6	0.72	0.43	mg/Kg	☼	10/29/15 00:27	1
4-Chlorophenyl phenyl ether	0.72	U	3.6	0.72	0.48	mg/Kg	☼	10/29/15 00:27	1
Dibenzofuran	0.72	U	3.6	0.72	0.36	mg/Kg	☼	10/29/15 00:27	1
3,3'-Dichlorobenzidine	0.72	U	7.1	0.72	0.30	mg/Kg	☼	10/29/15 00:27	1
2,4-Dichlorophenol	0.72	U	3.6	0.72	0.38	mg/Kg	☼	10/29/15 00:27	1
Diethyl phthalate	0.72	U	3.6	0.72	0.40	mg/Kg	☼	10/29/15 00:27	1
2,4-Dimethylphenol	1.8	U	3.6	1.8	0.48	mg/Kg	☼	10/29/15 00:27	1
Dimethyl phthalate	0.72	U	3.6	0.72	0.37	mg/Kg	☼	10/29/15 00:27	1
Di-n-butyl phthalate	0.72	U	3.6	0.72	0.32	mg/Kg	☼	10/29/15 00:27	1
2-Methyl-4,6-dinitrophenol	3.6	U	18	3.6	1.8	mg/Kg	☼	10/29/15 00:27	1
2,4-Dinitrophenol	14	U	18	14	9.0	mg/Kg	☼	10/29/15 00:27	1
2,4-Dinitrotoluene	1.8	U	3.6	1.8	0.53	mg/Kg	☼	10/29/15 00:27	1

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid
Percent Solids: 46.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,6-Dinitrotoluene	0.72	U	3.6	0.72	0.45	mg/Kg	☼	10/29/15 00:27	1
Di-n-octyl phthalate	0.72	U	3.6	0.72	0.31	mg/Kg	☼	10/29/15 00:27	1
1,4-Dioxane	3.6	U	3.6	3.6	1.3	mg/Kg	☼	10/29/15 00:27	1
Hexachlorobenzene	0.72	U	3.6	0.72	0.42	mg/Kg	☼	10/29/15 00:27	1
Hexachlorobutadiene	0.72	U	3.6	0.72	0.39	mg/Kg	☼	10/29/15 00:27	1
Hexachlorocyclopentadiene	0.72	U Q	3.6	0.72	0.44	mg/Kg	☼	10/29/15 00:27	1
Hexachloroethane	0.72	U	3.6	0.72	0.30	mg/Kg	☼	10/29/15 00:27	1
Isophorone	0.72	U	3.6	0.72	0.36	mg/Kg	☼	10/29/15 00:27	1
2-Methylphenol	0.72	U	3.6	0.72	0.29	mg/Kg	☼	10/29/15 00:27	1
3 & 4 Methylphenol	0.72	U	3.6	0.72	0.46	mg/Kg	☼	10/29/15 00:27	1
2-Nitroaniline	0.72	U	18	0.72	0.49	mg/Kg	☼	10/29/15 00:27	1
3-Nitroaniline	1.8	U	18	1.8	0.50	mg/Kg	☼	10/29/15 00:27	1
4-Nitroaniline	1.8	U	18	1.8	0.53	mg/Kg	☼	10/29/15 00:27	1
Nitrobenzene	0.72	U	3.6	0.72	0.28	mg/Kg	☼	10/29/15 00:27	1
2-Nitrophenol	0.72	U	3.6	0.72	0.44	mg/Kg	☼	10/29/15 00:27	1
4-Nitrophenol	7.2	U	18	7.2	3.6	mg/Kg	☼	10/29/15 00:27	1
N-Nitrosodi-n-propylamine	0.72	U	3.6	0.72	0.35	mg/Kg	☼	10/29/15 00:27	1
N-Nitrosodiphenylamine	0.90	U	3.6	0.90	0.36	mg/Kg	☼	10/29/15 00:27	1
Pentachlorophenol	7.2	U	18	7.2	3.6	mg/Kg	☼	10/29/15 00:27	1
Phenol	0.72	U	3.6	0.72	0.37	mg/Kg	☼	10/29/15 00:27	1
1,2,4,5-Tetrachlorobenzene	0.72	U	3.6	0.72	0.33	mg/Kg	☼	10/29/15 00:27	1
2,3,4,6-Tetrachlorophenol	0.72	U	3.6	0.72	0.24	mg/Kg	☼	10/29/15 00:27	1
2,4,5-Trichlorophenol	0.72	U	3.6	0.72	0.38	mg/Kg	☼	10/29/15 00:27	1
2,4,6-Trichlorophenol	0.72	U	3.6	0.72	0.31	mg/Kg	☼	10/29/15 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*	*Q*	*58 - 130*	*10/20/15 17:05*	*10/29/15 00:27*	*1*
2-Fluorophenol (Surr)	*51*		*40 - 130*	*10/20/15 17:05*	*10/29/15 00:27*	*1*
Nitrobenzene-d5 (Surr)	*55*		*46 - 130*	*10/20/15 17:05*	*10/29/15 00:27*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*10/20/15 17:05*	*10/29/15 00:27*	*1*
Terphenyl-d14 (Surr)	*55*	*Q*	*60 - 130*	*10/20/15 17:05*	*10/29/15 00:27*	*1*
2,4,6-Tribromophenol (Surr)	*54*	*Q*	*58 - 130*	*10/20/15 17:05*	*10/29/15 00:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.71	U H	3.5	0.71	0.30	mg/Kg	☼	11/04/15 05:21	1
Atrazine	0.71	U H	3.5	0.71	0.24	mg/Kg	☼	11/04/15 05:21	1
Benzaldehyde	1.8	U H	3.5	1.8	0.62	mg/Kg	☼	11/04/15 05:21	1
1,1'-Biphenyl	18	U H	18	18	18	mg/Kg	☼	11/04/15 05:21	1
Bis(2-chloroethoxy)methane	0.71	U H	3.5	0.71	0.42	mg/Kg	☼	11/04/15 05:21	1
Bis(2-chloroethyl)ether	1.8	U H	3.5	1.8	0.48	mg/Kg	☼	11/04/15 05:21	1
bis (2-chloroisopropyl) ether	0.71	U H	3.5	0.71	0.32	mg/Kg	☼	11/04/15 05:21	1
Bis(2-ethylhexyl) phthalate	**1.0**	**J H**	3.5	0.71	0.31	mg/Kg	☼	11/04/15 05:21	1
4-Bromophenyl phenyl ether	0.71	U H	3.5	0.71	0.38	mg/Kg	☼	11/04/15 05:21	1
Butyl benzyl phthalate	0.71	U H	3.5	0.71	0.28	mg/Kg	☼	11/04/15 05:21	1
Caprolactam	1.8	U H	3.5	1.8	0.70	mg/Kg	☼	11/04/15 05:21	1
Carbazole	0.71	U H	3.5	0.71	0.32	mg/Kg	☼	11/04/15 05:21	1
4-Chloroaniline	1.8	U H	7.0	1.8	0.55	mg/Kg	☼	11/04/15 05:21	1
4-Chloro-3-methylphenol	0.71	U H	3.5	0.71	0.37	mg/Kg	☼	11/04/15 05:21	1
2-Chloronaphthalene	0.71	U H	3.5	0.71	0.37	mg/Kg	☼	11/04/15 05:21	1

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid
Percent Solids: 46.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chlorophenol	0.71	U H	3.5	0.71	0.43	mg/Kg	☼	11/04/15 05:21	1
4-Chlorophenyl phenyl ether	0.71	U H	3.5	0.71	0.47	mg/Kg	☼	11/04/15 05:21	1
Dibenzofuran	0.71	U H	3.5	0.71	0.35	mg/Kg	☼	11/04/15 05:21	1
3,3'-Dichlorobenzidine	0.71	U H	7.0	0.71	0.30	mg/Kg	☼	11/04/15 05:21	1
2,4-Dichlorophenol	0.71	U H	3.5	0.71	0.37	mg/Kg	☼	11/04/15 05:21	1
Diethyl phthalate	0.71	U H	3.5	0.71	0.39	mg/Kg	☼	11/04/15 05:21	1
2,4-Dimethylphenol	1.8	U H	3.5	1.8	0.47	mg/Kg	☼	11/04/15 05:21	1
Dimethyl phthalate	0.71	U H	3.5	0.71	0.36	mg/Kg	☼	11/04/15 05:21	1
Di-n-butyl phthalate	0.71	U H	3.5	0.71	0.32	mg/Kg	☼	11/04/15 05:21	1
2-Methyl-4,6-dinitrophenol	3.5	U H	18	3.5	1.8	mg/Kg	☼	11/04/15 05:21	1
2,4-Dinitrophenol	14	U H	18	14	8.8	mg/Kg	☼	11/04/15 05:21	1
2,4-Dinitrotoluene	1.8	U H	3.5	1.8	0.52	mg/Kg	☼	11/04/15 05:21	1
2,6-Dinitrotoluene	0.71	U H	3.5	0.71	0.45	mg/Kg	☼	11/04/15 05:21	1
Di-n-octyl phthalate	0.71	U H	3.5	0.71	0.31	mg/Kg	☼	11/04/15 05:21	1
1,4-Dioxane	3.5	U H	3.5	3.5	1.3	mg/Kg	☼	11/04/15 05:21	1
Hexachlorobenzene	0.71	U H	3.5	0.71	0.42	mg/Kg	☼	11/04/15 05:21	1
Hexachlorobutadiene	0.71	U H	3.5	0.71	0.38	mg/Kg	☼	11/04/15 05:21	1
Hexachlorocyclopentadiene	0.71	U H	3.5	0.71	0.44	mg/Kg	☼	11/04/15 05:21	1
Hexachloroethane	0.71	U H	3.5	0.71	0.30	mg/Kg	☼	11/04/15 05:21	1
Isophorone	0.71	U H	3.5	0.71	0.35	mg/Kg	☼	11/04/15 05:21	1
2-Methylphenol	0.71	U H	3.5	0.71	0.29	mg/Kg	☼	11/04/15 05:21	1
3 & 4 Methylphenol	0.71	U H	3.5	0.71	0.46	mg/Kg	☼	11/04/15 05:21	1
2-Nitroaniline	0.71	U H	18	0.71	0.48	mg/Kg	☼	11/04/15 05:21	1
3-Nitroaniline	1.8	U H	18	1.8	0.49	mg/Kg	☼	11/04/15 05:21	1
4-Nitroaniline	1.8	U H	18	1.8	0.52	mg/Kg	☼	11/04/15 05:21	1
Nitrobenzene	0.71	U H	3.5	0.71	0.28	mg/Kg	☼	11/04/15 05:21	1
2-Nitrophenol	0.71	U H	3.5	0.71	0.44	mg/Kg	☼	11/04/15 05:21	1
4-Nitrophenol	7.1	U H	18	7.1	3.5	mg/Kg	☼	11/04/15 05:21	1
N-Nitrosodi-n-propylamine	0.71	U H	3.5	0.71	0.34	mg/Kg	☼	11/04/15 05:21	1
N-Nitrosodiphenylamine	0.88	U H	3.5	0.88	0.35	mg/Kg	☼	11/04/15 05:21	1
Pentachlorophenol	7.1	U H	18	7.1	3.5	mg/Kg	☼	11/04/15 05:21	1
Phenol	0.71	U H	3.5	0.71	0.36	mg/Kg	☼	11/04/15 05:21	1
1,2,4,5-Tetrachlorobenzene	0.71	U H	3.5	0.71	0.33	mg/Kg	☼	11/04/15 05:21	1
2,3,4,6-Tetrachlorophenol	0.71	U H	3.5	0.71	0.23	mg/Kg	☼	11/04/15 05:21	1
2,4,5-Trichlorophenol	0.71	U H	3.5	0.71	0.37	mg/Kg	☼	11/04/15 05:21	1
2,4,6-Trichlorophenol	0.71	U H	3.5	0.71	0.31	mg/Kg	☼	11/04/15 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 05:21*	*1*
2-Fluorophenol (Surr)	*49*		*40 - 130*	*11/02/15 11:31*	*11/04/15 05:21*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 130*	*11/02/15 11:31*	*11/04/15 05:21*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*11/02/15 11:31*	*11/04/15 05:21*	*1*
Terphenyl-d14 (Surr)	*73*		*60 - 130*	*11/02/15 11:31*	*11/04/15 05:21*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*58 - 130*	*11/02/15 11:31*	*11/04/15 05:21*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**17000**	**D**	180	36	5.5	mg/Kg	☼	10/23/15 14:29	10
Antimony	**0.98**	**J D**	3.6	1.3	0.13	mg/Kg	☼	10/23/15 14:29	10
Arsenic	**5.2**	**J D**	8.9	1.3	0.23	mg/Kg	☼	10/23/15 14:29	10

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSF1001
Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20
Matrix: Solid
Percent Solids: 46.3

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Barium	64	D	8.9	2.7	2.0	mg/Kg	☼	10/23/15 14:29	10
Beryllium	0.24	J D	1.8	0.89	0.098	mg/Kg	☼	10/23/15 14:29	10
Cadmium	3.6	D	3.6	0.089	0.033	mg/Kg	☼	10/23/15 14:29	10
Calcium	71000	D	3600	890	200	mg/Kg	☼	10/23/15 14:29	10
Chromium	330	D	8.9	4.0	0.54	mg/Kg	☼	10/23/15 14:29	10
Cobalt	42	D	1.8	0.13	0.015	mg/Kg	☼	10/23/15 14:29	10
Copper	59	D	7.1	2.7	0.87	mg/Kg	☼	10/23/15 14:29	10
Iron	36000	D	890	270	29	mg/Kg	☼	10/23/15 14:29	10
Lead	220	D	5.4	1.8	0.40	mg/Kg	☼	10/23/15 14:29	10
Magnesium	65000	D	1800	220	36	mg/Kg	☼	10/23/15 14:29	10
Manganese	720	D	8.9	3.6	1.1	mg/Kg	☼	10/23/15 14:29	10
Nickel	740	D	8.9	2.2	0.35	mg/Kg	☼	10/23/15 14:29	10
Potassium	2300	D	1800	89	44	mg/Kg	☼	10/23/15 14:29	10
Selenium	0.99	J D	8.9	0.54	0.36	mg/Kg	☼	10/23/15 14:29	10
Silver	0.17	J D	1.8	0.45	0.013	mg/Kg	☼	10/23/15 14:29	10
Sodium	260	J D	1800	360	78	mg/Kg	☼	10/23/15 14:29	10
Thallium	1.3	U	3.6	1.3	0.17	mg/Kg	☼	10/23/15 14:29	10
V	61	D	8.9	0.89	0.33	mg/Kg	☼	10/23/15 14:29	10
Zinc	210	D	71	18	4.5	mg/Kg	☼	10/23/15 14:29	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.057	J	0.23	0.075	0.032	mg/Kg	☼	10/26/15 17:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-406542/21-A
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406542

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		10/27/15 17:18	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		10/27/15 17:18	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		10/27/15 17:18	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		10/27/15 17:18	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		10/27/15 17:18	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		10/27/15 17:18	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		10/27/15 17:18	1
Bis(2-ethylhexyl) phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		10/27/15 17:18	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		10/27/15 17:18	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		10/27/15 17:18	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		10/27/15 17:18	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		10/27/15 17:18	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		10/27/15 17:18	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 17:18	1
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 17:18	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		10/27/15 17:18	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		10/27/15 17:18	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		10/27/15 17:18	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		10/27/15 17:18	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 17:18	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		10/27/15 17:18	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		10/27/15 17:18	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		10/27/15 17:18	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		10/27/15 17:18	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		10/27/15 17:18	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		10/27/15 17:18	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		10/27/15 17:18	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		10/27/15 17:18	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		10/27/15 17:18	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		10/27/15 17:18	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		10/27/15 17:18	1
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		10/27/15 17:18	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		10/27/15 17:18	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		10/27/15 17:18	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		10/27/15 17:18	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		10/27/15 17:18	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		10/27/15 17:18	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		10/27/15 17:18	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		10/27/15 17:18	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		10/27/15 17:18	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		10/27/15 17:18	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		10/27/15 17:18	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		10/27/15 17:18	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		10/27/15 17:18	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		10/27/15 17:18	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		10/27/15 17:18	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		10/27/15 17:18	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		10/27/15 17:18	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-406542/21-A
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406542

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		10/27/15 17:18	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 17:18	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		10/27/15 17:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/20/15 17:05*	*10/27/15 17:18*	*1*
2-Fluorophenol (Surr)	*67*		*40 - 130*	*10/20/15 17:05*	*10/27/15 17:18*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/20/15 17:05*	*10/27/15 17:18*	*1*
Phenol-d5 (Surr)	*68*		*49 - 130*	*10/20/15 17:05*	*10/27/15 17:18*	*1*
Terphenyl-d14 (Surr)	*81*		*60 - 130*	*10/20/15 17:05*	*10/27/15 17:18*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*	*10/20/15 17:05*	*10/27/15 17:18*	*1*

Lab Sample ID: LCS 680-406542/22-A
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.33	2.06		mg/Kg		62	33 - 115
Atrazine	3.33	2.37		mg/Kg		71	47 - 127
Benzaldehyde	3.33	0.545		mg/Kg		16	10 - 130
1,1'-Biphenyl	3.33	2.26		mg/Kg		68	40 - 117
Bis(2-chloroethoxy)methane	3.33	2.14		mg/Kg		64	36 - 121
Bis(2-chloroethyl)ether	3.33	2.15		mg/Kg		65	31 - 120
bis (2-chloroisopropyl) ether	3.33	2.30		mg/Kg		69	33 - 131
Bis(2-ethylhexyl) phthalate	3.33	2.57		mg/Kg		77	51 - 133
4-Bromophenyl phenyl ether	3.33	2.31		mg/Kg		69	46 - 124
Butyl benzyl phthalate	3.33	2.55		mg/Kg		77	48 - 132
Caprolactam	3.33	2.33		mg/Kg		70	46 - 117
Carbazole	3.33	2.37		mg/Kg		71	50 - 123
4-Chloroaniline	3.33	0.804		mg/Kg		24	17 - 106
4-Chloro-3-methylphenol	3.33	2.41		mg/Kg		72	45 - 122
2-Chloronaphthalene	3.33	2.24		mg/Kg		67	41 - 114
2-Chlorophenol	3.33	2.21		mg/Kg		66	34 - 121
4-Chlorophenyl phenyl ether	3.33	2.17		mg/Kg		65	45 - 121
Dibenzofuran	3.33	2.21		mg/Kg		66	44 - 120
3,3'-Dichlorobenzidine	3.33	1.07		mg/Kg		32	22 - 121
2,4-Dichlorophenol	3.33	2.25		mg/Kg		68	40 - 122
Diethyl phthalate	3.33	2.33		mg/Kg		70	50 - 124
2,4-Dimethylphenol	3.33	2.25		mg/Kg		68	30 - 127
Dimethyl phthalate	3.33	2.32		mg/Kg		70	48 - 124
Di-n-butyl phthalate	3.33	2.42		mg/Kg		73	51 - 128
2-Methyl-4,6-dinitrophenol	6.65	2.94		mg/Kg		44	29 - 132
2,4-Dinitrophenol	6.65	1.52	J	mg/Kg		23	10 - 130
2,4-Dinitrotoluene	3.33	2.25		mg/Kg		68	48 - 126
2,6-Dinitrotoluene	3.33	2.32		mg/Kg		70	46 - 124
Di-n-octyl phthalate	3.33	2.75		mg/Kg		83	45 - 140
1,4-Dioxane	3.33	1.22		mg/Kg		37	14 - 130
Hexachlorobenzene	3.33	2.30		mg/Kg		69	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-406542/22-A
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3.33	2.09		mg/Kg		63	32 - 123
Hexachlorocyclopentadiene	3.33	0.592	Q	mg/Kg		18	28 - 130
Hexachloroethane	3.33	1.72		mg/Kg		52	28 - 117
Isophorone	3.33	2.28		mg/Kg		69	30 - 122
2-Methylphenol	3.33	2.23		mg/Kg		67	32 - 122
3 & 4 Methylphenol	3.33	2.23		mg/Kg		67	34 - 119
2-Nitroaniline	3.33	2.35		mg/Kg		71	44 - 127
3-Nitroaniline	3.33	1.35	J	mg/Kg		41	33 - 119
4-Nitroaniline	3.33	2.04		mg/Kg		61	41 - 130
Nitrobenzene	3.33	2.18		mg/Kg		66	34 - 122
2-Nitrophenol	3.33	2.22		mg/Kg		67	36 - 123
4-Nitrophenol	6.65	4.69		mg/Kg		71	30 - 132
N-Nitrosodi-n-propylamine	3.33	2.09		mg/Kg		63	36 - 120
N-Nitrosodiphenylamine	6.65	4.66		mg/Kg		70	38 - 127
Pentachlorophenol	6.65	3.86		mg/Kg		58	25 - 133
Phenol	3.33	1.99		mg/Kg		60	34 - 121
1,2,4,5-Tetrachlorobenzene	3.33	2.14		mg/Kg		64	37 - 119
2,3,4,6-Tetrachlorophenol	3.33	2.41		mg/Kg		72	44 - 125
2,4,5-Trichlorophenol	3.33	2.39		mg/Kg		72	41 - 124
2,4,6-Trichlorophenol	3.33	2.28		mg/Kg		69	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*65*		*58 - 130*
2-Fluorophenol (Surr)	*62*		*40 - 130*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*
Phenol-d5 (Surr)	*66*		*49 - 130*
Terphenyl-d14 (Surr)	*69*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*

Lab Sample ID: 680-117942-1 MS
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: AOPSE201
Prep Type: Total/NA
Prep Batch: 406542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	0.42	U	4.19	2.31		mg/Kg	☼	55	33 - 115
Atrazine	0.42	U	4.19	2.41		mg/Kg	☼	57	47 - 127
Benzaldehyde	1.1	U Q	4.19	2.03	J	mg/Kg	☼	49	10 - 130
1,1'-Biphenyl	11	U	4.19	11	U	mg/Kg	☼	NC	40 - 117
Bis(2-chloroethoxy)methane	0.42	U	4.19	2.32		mg/Kg	☼	55	36 - 121
Bis(2-chloroethyl)ether	1.1	U	4.19	2.19		mg/Kg	☼	52	31 - 120
bis (2-chloroisopropyl) ether	0.42	U	4.19	2.41		mg/Kg	☼	57	33 - 131
Bis(2-ethylhexyl) phthalate	0.54	J	4.19	2.71		mg/Kg	☼	52	51 - 133
4-Bromophenyl phenyl ether	0.42	U	4.19	2.38		mg/Kg	☼	57	46 - 124
Butyl benzyl phthalate	0.42	U	4.19	2.56		mg/Kg	☼	61	48 - 132
Caprolactam	1.1	U	4.19	2.27		mg/Kg	☼	54	46 - 117
Carbazole	0.42	U	4.19	2.52		mg/Kg	☼	60	50 - 123
4-Chloroaniline	1.1	U J	4.19	0.816	J	mg/Kg	☼	19	17 - 106
4-Chloro-3-methylphenol	0.42	U	4.19	2.57		mg/Kg	☼	61	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-1 MS
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: AOPSE201
Prep Type: Total/NA
Prep Batch: 406542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	0.42	U	4.19	2.43		mg/Kg	☼	58	41 - 114
2-Chlorophenol	0.42	U	4.19	2.29		mg/Kg	☼	55	34 - 121
4-Chlorophenyl phenyl ether	0.42	U	4.19	2.37		mg/Kg	☼	57	45 - 121
Dibenzofuran	0.42	U	4.19	2.37		mg/Kg	☼	57	44 - 120
3,3'-Dichlorobenzidine	0.42	U J	4.19	0.668	J	mg/Kg	☼	16	22 - 121
2,4-Dichlorophenol	0.42	U	4.19	2.10		mg/Kg	☼	50	40 - 122
Diethyl phthalate	0.42	U	4.19	2.44		mg/Kg	☼	58	50 - 124
2,4-Dimethylphenol	1.1	U	4.19	2.14		mg/Kg	☼	51	30 - 127
Dimethyl phthalate	0.42	U	4.19	2.46		mg/Kg	☼	59	48 - 124
Di-n-butyl phthalate	0.42	U	4.19	2.57		mg/Kg	☼	61	51 - 128
2-Methyl-4,6-dinitrophenol	2.1	U J	8.38	1.89	J	mg/Kg	☼	23	29 - 132
2,4-Dinitrophenol	8.2	U J	8.38	8.2	U J	mg/Kg	☼	0	10 - 130
2,4-Dinitrotoluene	1.1	U J	4.19	2.06	J	mg/Kg	☼	49	48 - 126
2,6-Dinitrotoluene	0.42	U	4.19	2.24		mg/Kg	☼	53	46 - 124
Di-n-octyl phthalate	0.42	U	4.19	2.75		mg/Kg	☼	66	45 - 140
1,4-Dioxane	2.1	U	4.19	1.79	J	mg/Kg	☼	43	14 - 130
Hexachlorobenzene	0.42	U	4.19	2.56		mg/Kg	☼	61	45 - 122
Hexachlorobutadiene	0.42	U	4.19	2.40		mg/Kg	☼	57	32 - 123
Hexachlorocyclopentadiene	0.42	U Q J	4.19	0.42	U J	mg/Kg	☼	0	28 - 130
Hexachloroethane	0.42	U	4.19	1.59	J	mg/Kg	☼	38	28 - 117
Isophorone	0.42	U	4.19	2.35		mg/Kg	☼	56	30 - 122
2-Methylphenol	0.42	U J	4.19	2.10		mg/Kg	☼	50	32 - 122
3 & 4 Methylphenol	0.42	U J	4.19	2.04	J	mg/Kg	☼	49	34 - 119
2-Nitroaniline	0.42	U	4.19	2.44	J	mg/Kg	☼	58	44 - 127
3-Nitroaniline	1.1	U J	4.19	1.51	J	mg/Kg	☼	36	33 - 119
4-Nitroaniline	1.1	U	4.19	2.18	J	mg/Kg	☼	52	41 - 130
Nitrobenzene	0.42	U	4.19	2.47		mg/Kg	☼	59	34 - 122
2-Nitrophenol	0.42	U	4.19	2.25		mg/Kg	☼	54	36 - 123
4-Nitrophenol	4.2	U	8.38	5.24	J	mg/Kg	☼	62	30 - 132
N-Nitrosodi-n-propylamine	0.42	U	4.19	2.18		mg/Kg	☼	52	36 - 120
N-Nitrosodiphenylamine	0.52	U	8.38	4.94		mg/Kg	☼	59	38 - 127
Pentachlorophenol	4.2	U J	8.38	3.65	J	mg/Kg	☼	44	25 - 133
Phenol	0.42	U J	4.19	1.92	J	mg/Kg	☼	46	34 - 121
1,2,4,5-Tetrachlorobenzene	0.42	U	4.19	2.44		mg/Kg	☼	58	37 - 119
2,3,4,6-Tetrachlorophenol	0.42	U	4.19	2.46		mg/Kg	☼	59	44 - 125
2,4,5-Trichlorophenol	0.42	U J	4.19	2.53		mg/Kg	☼	60	41 - 124
2,4,6-Trichlorophenol	0.42	U	4.19	2.28		mg/Kg	☼	54	39 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*56*	*Q*	*58 - 130*
2-Fluorophenol (Surr)	*49*		*40 - 130*
Nitrobenzene-d5 (Surr)	*52*		*46 - 130*
Phenol-d5 (Surr)	*48*	*Q*	*49 - 130*
Terphenyl-d14 (Surr)	*55*	*Q*	*60 - 130*
2,4,6-Tribromophenol (Surr)	*55*	*Q*	*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-1 MSD
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: AOPSE201
Prep Type: Total/NA
Prep Batch: 406542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	0.42	U	4.18	2.70		mg/Kg	☼	65	33 - 115	16	20
Atrazine	0.42	U	4.18	2.88		mg/Kg	☼	69	47 - 127	18	20
Benzaldehyde	1.1	U Q	4.18	2.22		mg/Kg	☼	53	10 - 130	9	20
1,1'-Biphenyl	11	U	4.18	11	U	mg/Kg	☼	NC	40 - 117	NC	20
Bis(2-chloroethoxy)methane	0.42	U	4.18	2.73		mg/Kg	☼	65	36 - 121	16	20
Bis(2-chloroethyl)ether	1.1	U	4.18	2.55		mg/Kg	☼	61	31 - 120	15	20
bis (2-chloroisopropyl) ether	0.42	U	4.18	2.87		mg/Kg	☼	69	33 - 131	17	20
Bis(2-ethylhexyl) phthalate	0.54	J	4.18	3.23		mg/Kg	☼	64	51 - 133	18	20
4-Bromophenyl phenyl ether	0.42	U	4.18	2.90		mg/Kg	☼	69	46 - 124	20	20
Butyl benzyl phthalate	0.42	U	4.18	3.04		mg/Kg	☼	73	48 - 132	17	20
Caprolactam	1.1	U	4.18	2.28		mg/Kg	☼	54	46 - 117	0	20
Carbazole	0.42	U	4.18	2.95		mg/Kg	☼	71	50 - 123	16	20
4-Chloroaniline	1.1	U J	4.18	1.93	J	mg/Kg	☼	46	17 - 106	81	20
4-Chloro-3-methylphenol	0.42	U	4.18	3.08		mg/Kg	☼	74	45 - 122	18	20
2-Chloronaphthalene	0.42	U	4.18	2.85		mg/Kg	☼	68	41 - 114	16	20
2-Chlorophenol	0.42	U	4.18	2.67		mg/Kg	☼	64	34 - 121	15	20
4-Chlorophenyl phenyl ether	0.42	U	4.18	2.82		mg/Kg	☼	67	45 - 121	17	20
Dibenzofuran	0.42	U	4.18	2.86		mg/Kg	☼	68	44 - 120	19	20
3,3'-Dichlorobenzidine	0.42	U J	4.18	1.54	J	mg/Kg	☼	37	22 - 121	79	20
2,4-Dichlorophenol	0.42	U	4.18	2.54		mg/Kg	☼	61	40 - 122	19	20
Diethyl phthalate	0.42	U	4.18	2.94		mg/Kg	☼	70	50 - 124	19	20
2,4-Dimethylphenol	1.1	U	4.18	2.45		mg/Kg	☼	59	30 - 127	14	20
Dimethyl phthalate	0.42	U	4.18	2.87		mg/Kg	☼	68	48 - 124	15	20
Di-n-butyl phthalate	0.42	U	4.18	2.99		mg/Kg	☼	71	51 - 128	15	20
2-Methyl-4,6-dinitrophenol	2.1	U J	8.37	2.11	J	mg/Kg	☼	25	29 - 132	11	20
2,4-Dinitrophenol	8.2	U J	8.37	8.2	U J	mg/Kg	☼	0	10 - 130	NC	20
2,4-Dinitrotoluene	1.1	U J	4.18	2.59	J	mg/Kg	☼	62	48 - 126	23	20
2,6-Dinitrotoluene	0.42	U	4.18	2.69		mg/Kg	☼	64	46 - 124	18	20
Di-n-octyl phthalate	0.42	U	4.18	3.33		mg/Kg	☼	80	45 - 140	19	20
1,4-Dioxane	2.1	U	4.18	2.01	J	mg/Kg	☼	48	14 - 130	12	20
Hexachlorobenzene	0.42	U	4.18	2.84		mg/Kg	☼	68	45 - 122	11	20
Hexachlorobutadiene	0.42	U	4.18	2.69		mg/Kg	☼	64	32 - 123	11	20
Hexachlorocyclopentadiene	0.42	U Q J	4.18	0.42	U J	mg/Kg	☼	0	28 - 130	NC	20
Hexachloroethane	0.42	U	4.18	1.58	J	mg/Kg	☼	38	28 - 117	1	20
Isophorone	0.42	U	4.18	2.77		mg/Kg	☼	66	30 - 122	16	20
2-Methylphenol	0.42	U J	4.18	2.64	J	mg/Kg	☼	63	32 - 122	22	20
3 & 4 Methylphenol	0.42	U J	4.18	2.69	J	mg/Kg	☼	64	34 - 119	27	20
2-Nitroaniline	0.42	U	4.18	2.90	J	mg/Kg	☼	69	44 - 127	17	20
3-Nitroaniline	1.1	U J	4.18	2.53	J	mg/Kg	☼	60	33 - 119	51	20
4-Nitroaniline	1.1	U	4.18	2.64	J	mg/Kg	☼	63	41 - 130	19	20
Nitrobenzene	0.42	U	4.18	2.77		mg/Kg	☼	66	34 - 122	11	20
2-Nitrophenol	0.42	U	4.18	2.52		mg/Kg	☼	60	36 - 123	11	20
4-Nitrophenol	4.2	U	8.37	5.10	J	mg/Kg	☼	61	30 - 132	3	20
N-Nitrosodi-n-propylamine	0.42	U	4.18	2.62		mg/Kg	☼	63	36 - 120	18	20
N-Nitrosodiphenylamine	0.52	U	8.37	5.81		mg/Kg	☼	69	38 - 127	16	20
Pentachlorophenol	4.2	U J	8.37	4.75	J	mg/Kg	☼	57	25 - 133	26	20
Phenol	0.42	U J	4.18	2.36	J	mg/Kg	☼	56	34 - 121	21	20
1,2,4,5-Tetrachlorobenzene	0.42	U	4.18	2.80		mg/Kg	☼	67	37 - 119	14	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-1 MSD
Matrix: Solid
Analysis Batch: 407686

Client Sample ID: AOPSE201
Prep Type: Total/NA
Prep Batch: 406542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,4,6-Tetrachlorophenol	0.42	U	4.18	2.91		mg/Kg	☼	70	44 - 125	17	20
2,4,5-Trichlorophenol	0.42	U J	4.18	3.18	J	mg/Kg	☼	76	41 - 124	23	20
2,4,6-Trichlorophenol	0.42	U	4.18	2.76		mg/Kg	☼	66	39 - 126	19	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*
2-Fluorophenol (Surr)	*60*		*40 - 130*
Nitrobenzene-d5 (Surr)	*58*		*46 - 130*
Phenol-d5 (Surr)	*56*		*49 - 130*
Terphenyl-d14 (Surr)	*65*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*

Lab Sample ID: MB 680-408525/13-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408525

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 02:09	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		11/04/15 02:09	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		11/04/15 02:09	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/04/15 02:09	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 02:09	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		11/04/15 02:09	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:09	1
Bis(2-ethylhexyl) phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:09	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 02:09	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 02:09	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		11/04/15 02:09	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:09	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		11/04/15 02:09	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		11/04/15 02:09	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		11/04/15 02:09	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 02:09	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		11/04/15 02:09	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		11/04/15 02:09	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		11/04/15 02:09	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 02:09	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:09	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/04/15 02:09	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		11/04/15 02:09	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		11/04/15 02:09	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		11/04/15 02:09	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:09	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/04/15 02:09	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 02:09	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-408525/13-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408525

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 02:09	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 02:09	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 02:09	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 02:09	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		11/04/15 02:09	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		11/04/15 02:09	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		11/04/15 02:09	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		11/04/15 02:09	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		11/04/15 02:09	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 02:09	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 02:09	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 02:09	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		11/04/15 02:09	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		11/04/15 02:09	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 02:09	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 02:09	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		11/04/15 02:09	1
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		11/04/15 02:09	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*58 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
Phenol-d5 (Surr)	*61*		*49 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
Terphenyl-d14 (Surr)	*79*		*60 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
2,4,6-Tribromophenol (Surr)	*56*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*

Lab Sample ID: LCS 680-408525/14-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.34	2.13		mg/Kg		64	33 - 115
Atrazine	3.34	2.56		mg/Kg		77	47 - 127
Benzaldehyde	3.34	0.486		mg/Kg		15	10 - 130
1,1'-Biphenyl	3.34	2.39		mg/Kg		72	40 - 117
Bis(2-chloroethoxy)methane	3.34	2.28		mg/Kg		68	36 - 121
Bis(2-chloroethyl)ether	3.34	2.27		mg/Kg		68	31 - 120
bis (2-chloroisopropyl) ether	3.34	2.35		mg/Kg		70	33 - 131
Bis(2-ethylhexyl) phthalate	3.34	2.98		mg/Kg		89	51 - 133
4-Bromophenyl phenyl ether	3.34	2.38		mg/Kg		71	46 - 124
Butyl benzyl phthalate	3.34	2.86		mg/Kg		86	48 - 132
Caprolactam	3.34	2.55		mg/Kg		77	46 - 117
Carbazole	3.34	2.68		mg/Kg		80	50 - 123
4-Chloroaniline	3.34	0.764		mg/Kg		23	17 - 106
4-Chloro-3-methylphenol	3.34	2.46		mg/Kg		74	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-408525/14-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	3.34	2.33		mg/Kg		70	41 - 114
2-Chlorophenol	3.34	2.33		mg/Kg		70	34 - 121
4-Chlorophenyl phenyl ether	3.34	2.33		mg/Kg		70	45 - 121
Dibenzofuran	3.34	2.42		mg/Kg		73	44 - 120
3,3'-Dichlorobenzidine	3.34	1.80		mg/Kg		54	22 - 121
2,4-Dichlorophenol	3.34	2.39		mg/Kg		72	40 - 122
Diethyl phthalate	3.34	2.52		mg/Kg		75	50 - 124
2,4-Dimethylphenol	3.34	2.34		mg/Kg		70	30 - 127
Dimethyl phthalate	3.34	2.46		mg/Kg		74	48 - 124
Di-n-butyl phthalate	3.34	2.73		mg/Kg		82	51 - 128
2-Methyl-4,6-dinitrophenol	6.68	4.41		mg/Kg		66	29 - 132
2,4-Dinitrophenol	6.68	3.74		mg/Kg		56	10 - 130
2,4-Dinitrotoluene	3.34	2.81		mg/Kg		84	48 - 126
2,6-Dinitrotoluene	3.34	2.65		mg/Kg		79	46 - 124
Di-n-octyl phthalate	3.34	3.26		mg/Kg		98	45 - 140
1,4-Dioxane	3.34	1.28		mg/Kg		38	14 - 130
Hexachlorobenzene	3.34	2.36		mg/Kg		71	45 - 122
Hexachlorobutadiene	3.34	2.01		mg/Kg		60	32 - 123
Hexachlorocyclopentadiene	3.34	1.05		mg/Kg		32	28 - 130
Hexachloroethane	3.34	2.06		mg/Kg		62	28 - 117
Isophorone	3.34	2.31		mg/Kg		69	30 - 122
2-Methylphenol	3.34	2.44		mg/Kg		73	32 - 122
3 & 4 Methylphenol	3.34	2.48		mg/Kg		74	34 - 119
2-Nitroaniline	3.34	2.65		mg/Kg		79	44 - 127
3-Nitroaniline	3.34	1.21	J	mg/Kg		36	33 - 119
4-Nitroaniline	3.34	2.24		mg/Kg		67	41 - 130
Nitrobenzene	3.34	2.20		mg/Kg		66	34 - 122
2-Nitrophenol	3.34	2.51		mg/Kg		75	36 - 123
4-Nitrophenol	6.68	5.49		mg/Kg		82	30 - 132
N-Nitrosodi-n-propylamine	3.34	2.32		mg/Kg		69	36 - 120
N-Nitrosodiphenylamine	6.68	5.25		mg/Kg		79	38 - 127
Pentachlorophenol	6.68	4.63		mg/Kg		69	25 - 133
Phenol	3.34	2.34		mg/Kg		70	34 - 121
1,2,4,5-Tetrachlorobenzene	3.34	2.11		mg/Kg		63	37 - 119
2,3,4,6-Tetrachlorophenol	3.34	2.48		mg/Kg		74	44 - 125
2,4,5-Trichlorophenol	3.34	2.45		mg/Kg		73	41 - 124
2,4,6-Trichlorophenol	3.34	2.48		mg/Kg		74	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*
2-Fluorophenol (Surr)	*68*		*40 - 130*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*
Phenol-d5 (Surr)	*71*		*49 - 130*
Terphenyl-d14 (Surr)	*76*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-409071/14-A
Matrix: Solid
Analysis Batch: 409308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409071

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		11/06/15 14:12	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		11/06/15 14:12	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		11/06/15 14:12	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/06/15 14:12	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		11/06/15 14:12	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		11/06/15 14:12	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		11/06/15 14:12	1
Bis(2-ethylhexyl) phthalate	0.0464	J	0.33	0.067	0.029	mg/Kg		11/06/15 14:12	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		11/06/15 14:12	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		11/06/15 14:12	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		11/06/15 14:12	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		11/06/15 14:12	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		11/06/15 14:12	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/06/15 14:12	1
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		11/06/15 14:12	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		11/06/15 14:12	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		11/06/15 14:12	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		11/06/15 14:12	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		11/06/15 14:12	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/06/15 14:12	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		11/06/15 14:12	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		11/06/15 14:12	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		11/06/15 14:12	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		11/06/15 14:12	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/06/15 14:12	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		11/06/15 14:12	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		11/06/15 14:12	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		11/06/15 14:12	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/06/15 14:12	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/06/15 14:12	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		11/06/15 14:12	1
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		11/06/15 14:12	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		11/06/15 14:12	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		11/06/15 14:12	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		11/06/15 14:12	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		11/06/15 14:12	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		11/06/15 14:12	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		11/06/15 14:12	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		11/06/15 14:12	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		11/06/15 14:12	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		11/06/15 14:12	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		11/06/15 14:12	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/06/15 14:12	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		11/06/15 14:12	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		11/06/15 14:12	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/06/15 14:12	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		11/06/15 14:12	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		11/06/15 14:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-409071/14-A
Matrix: Solid
Analysis Batch: 409308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409071

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		11/06/15 14:12	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/06/15 14:12	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		11/06/15 14:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*	*11/05/15 11:36*	*11/06/15 14:12*	*1*
2-Fluorophenol (Surr)	*63*		*40 - 130*	*11/05/15 11:36*	*11/06/15 14:12*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 130*	*11/05/15 11:36*	*11/06/15 14:12*	*1*
Phenol-d5 (Surr)	*65*		*49 - 130*	*11/05/15 11:36*	*11/06/15 14:12*	*1*
Terphenyl-d14 (Surr)	*75*		*60 - 130*	*11/05/15 11:36*	*11/06/15 14:12*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*	*11/05/15 11:36*	*11/06/15 14:12*	*1*

Lab Sample ID: LCS 680-409071/15-A
Matrix: Solid
Analysis Batch: 409308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.30	2.39		mg/Kg		72	33 - 115
Atrazine	3.30	2.67		mg/Kg		81	47 - 127
Benzaldehyde	3.30	0.379		mg/Kg		11	10 - 130
1,1'-Biphenyl	3.30	2.54		mg/Kg		77	40 - 117
Bis(2-chloroethoxy)methane	3.30	2.49		mg/Kg		75	36 - 121
Bis(2-chloroethyl)ether	3.30	2.31		mg/Kg		70	31 - 120
bis (2-chloroisopropyl) ether	3.30	2.33		mg/Kg		70	33 - 131
Bis(2-ethylhexyl) phthalate	3.30	2.91		mg/Kg		88	51 - 133
4-Bromophenyl phenyl ether	3.30	2.72		mg/Kg		82	46 - 124
Butyl benzyl phthalate	3.30	2.81		mg/Kg		85	48 - 132
Caprolactam	3.30	2.52		mg/Kg		76	46 - 117
Carbazole	3.30	2.75		mg/Kg		83	50 - 123
4-Chloroaniline	3.30	1.54		mg/Kg		47	17 - 106
4-Chloro-3-methylphenol	3.30	2.61		mg/Kg		79	45 - 122
2-Chloronaphthalene	3.30	2.53		mg/Kg		77	41 - 114
2-Chlorophenol	3.30	2.47		mg/Kg		75	34 - 121
4-Chlorophenyl phenyl ether	3.30	2.71		mg/Kg		82	45 - 121
Dibenzofuran	3.30	2.59		mg/Kg		78	44 - 120
3,3'-Dichlorobenzidine	3.30	1.98		mg/Kg		60	22 - 121
2,4-Dichlorophenol	3.30	2.72		mg/Kg		82	40 - 122
Diethyl phthalate	3.30	2.75		mg/Kg		83	50 - 124
2,4-Dimethylphenol	3.30	2.68		mg/Kg		81	30 - 127
Dimethyl phthalate	3.30	2.80		mg/Kg		85	48 - 124
Di-n-butyl phthalate	3.30	2.82		mg/Kg		85	51 - 128
2-Methyl-4,6-dinitrophenol	6.61	1.10	J Q	mg/Kg		17	29 - 132
2,4-Dinitrophenol	6.61	1.3	U Q	mg/Kg		7	10 - 130
2,4-Dinitrotoluene	3.30	2.89		mg/Kg		88	48 - 126
2,6-Dinitrotoluene	3.30	2.86		mg/Kg		87	46 - 124
Di-n-octyl phthalate	3.30	2.92		mg/Kg		88	45 - 140
1,4-Dioxane	3.30	1.25		mg/Kg		38	14 - 130
Hexachlorobenzene	3.30	2.69		mg/Kg		81	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-409071/15-A
Matrix: Solid
Analysis Batch: 409308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3.30	2.42		mg/Kg		73	32 - 123
Hexachlorocyclopentadiene	3.30	1.82		mg/Kg		55	28 - 130
Hexachloroethane	3.30	2.17		mg/Kg		66	28 - 117
Isophorone	3.30	2.46		mg/Kg		74	30 - 122
2-Methylphenol	3.30	2.49		mg/Kg		75	32 - 122
3 & 4 Methylphenol	3.30	2.53		mg/Kg		77	34 - 119
2-Nitroaniline	3.30	2.66		mg/Kg		81	44 - 127
3-Nitroaniline	3.30	2.10		mg/Kg		64	33 - 119
4-Nitroaniline	3.30	2.45		mg/Kg		74	41 - 130
Nitrobenzene	3.30	2.40		mg/Kg		73	34 - 122
2-Nitrophenol	3.30	2.65		mg/Kg		80	36 - 123
4-Nitrophenol	6.61	5.49		mg/Kg		83	30 - 132
N-Nitrosodi-n-propylamine	3.30	2.28		mg/Kg		69	36 - 120
N-Nitrosodiphenylamine	6.61	5.47		mg/Kg		83	38 - 127
Pentachlorophenol	6.61	3.81		mg/Kg		58	25 - 133
Phenol	3.30	2.40		mg/Kg		73	34 - 121
1,2,4,5-Tetrachlorobenzene	3.30	2.53		mg/Kg		76	37 - 119
2,3,4,6-Tetrachlorophenol	3.30	2.86		mg/Kg		86	44 - 125
2,4,5-Trichlorophenol	3.30	2.67		mg/Kg		81	41 - 124
2,4,6-Trichlorophenol	3.30	2.78		mg/Kg		84	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*58 - 130*
2-Fluorophenol (Surr)	*72*		*40 - 130*
Nitrobenzene-d5 (Surr)	*70*		*46 - 130*
Phenol-d5 (Surr)	*75*		*49 - 130*
Terphenyl-d14 (Surr)	*82*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*84*		*58 - 130*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-406537/21-A
Matrix: Solid
Analysis Batch: 407073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406537

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Acenaphthylene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Benzo[a]anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Benzo[a]pyrene	0.0033	U	0.0067	0.0033	0.0012	mg/Kg		10/23/15 12:53	1
Benzo[b]fluoranthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Benzo[g,h,i]perylene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Benzo[k]fluoranthene	0.0033	U	0.0067	0.0033	0.0020	mg/Kg		10/23/15 12:53	1
Chrysene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Fluoranthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Fluorene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Indeno[1,2,3-cd]pyrene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 680-406537/21-A
Matrix: Solid
Analysis Batch: 407073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406537

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Naphthalene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
Phenanthrene	0.0033	U	0.0067	0.0033	0.0024	mg/Kg		10/23/15 12:53	1
Pyrene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1
1-Methylnaphthalene	0.0033	U	0.0067	0.0033	0.0031	mg/Kg		10/23/15 12:53	1
2-Methylnaphthalene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/23/15 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*36 - 131*	*10/21/15 09:44*	*10/23/15 12:53*	*1*

Lab Sample ID: LCS 680-406537/22-A
Matrix: Solid
Analysis Batch: 407073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.205		mg/Kg		61	40 - 123
Acenaphthylene	0.333	0.203		mg/Kg		61	32 - 132
Anthracene	0.333	0.215		mg/Kg		65	47 - 123
Benzo[a]anthracene	0.333	0.227		mg/Kg		68	49 - 126
Benzo[a]pyrene	0.333	0.232		mg/Kg		70	45 - 129
Benzo[b]fluoranthene	0.333	0.246		mg/Kg		74	45 - 132
Benzo[g,h,i]perylene	0.333	0.220		mg/Kg		66	43 - 134
Benzo[k]fluoranthene	0.333	0.212		mg/Kg		64	47 - 132
Chrysene	0.333	0.211		mg/Kg		63	50 - 124
Fluoranthene	0.333	0.230		mg/Kg		69	50 - 127
Fluorene	0.333	0.213		mg/Kg		64	43 - 125
Indeno[1,2,3-cd]pyrene	0.333	0.216		mg/Kg		65	45 - 133
Dibenz(a,h)anthracene	0.333	0.228		mg/Kg		68	45 - 134
Naphthalene	0.333	0.198		mg/Kg		60	35 - 123
Phenanthrene	0.333	0.217		mg/Kg		65	50 - 121
Pyrene	0.333	0.213		mg/Kg		64	47 - 127
1-Methylnaphthalene	0.333	0.203		mg/Kg		61	40 - 119
2-Methylnaphthalene	0.333	0.208		mg/Kg		62	38 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*65*		*36 - 131*

Lab Sample ID: 680-117942-19 MS
Matrix: Solid
Analysis Batch: 407637

Client Sample ID: AOPSG601
Prep Type: Total/NA
Prep Batch: 406537

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.35	U	0.345	0.270	J D	mg/Kg	☼	78	40 - 123
Acenaphthylene	0.35	U	0.345	0.245	J D	mg/Kg	☼	71	32 - 132
Anthracene	0.35	U	0.345	0.318	J D	mg/Kg	☼	92	47 - 123
Benzo[a]anthracene	0.62	J D	0.345	0.755	J D	mg/Kg	☼	40	49 - 126
Benzo[a]pyrene	0.92	J D	0.345	1.09	D	mg/Kg	☼	49	45 - 129
Benzo[b]fluoranthene	1.4	J D M	0.345	1.80	4 D	mg/Kg	☼	109	45 - 132

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-117942-19 MS
Matrix: Solid
Analysis Batch: 407637

Client Sample ID: AOPSG601
Prep Type: Total/NA
Prep Batch: 406537

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	0.67	J D	0.345	0.790	J D	mg/Kg	☼	36	43 - 134
Benzo[k]fluoranthene	0.72	J D M	0.345	0.760	J D	mg/Kg	☼	11	47 - 132
Chrysene	0.86	J D	0.345	0.898	J D	mg/Kg	☼	11	50 - 124
Fluoranthene	0.92	J D	0.345	0.970	J D	mg/Kg	☼	15	50 - 127
Fluorene	0.35	U J	0.345	0.278	J D	mg/Kg	☼	81	43 - 125
Indeno[1,2,3-cd]pyrene	0.79	J D	0.345	0.810	J D	mg/Kg	☼	5	45 - 133
Dibenz(a,h)anthracene	0.26	J J D	0.345	0.442	D	mg/Kg	☼	52	45 - 134
Naphthalene	0.35	U	0.345	0.260	J D	mg/Kg	☼	76	35 - 123
Phenanthrene	0.37	J D	0.345	0.522	J D	mg/Kg	☼	45	50 - 121
Pyrene	0.70	J D	0.345	0.759	J D	mg/Kg	☼	17	47 - 127
1-Methylnaphthalene	0.17	U	0.345	0.256	J D	mg/Kg	☼	74	40 - 119
2-Methylnaphthalene	0.35	U	0.345	0.251	J D	mg/Kg	☼	73	38 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Lab Sample ID: 680-117942-19 MSD
Matrix: Solid
Analysis Batch: 407637

Client Sample ID: AOPSG601
Prep Type: Total/NA
Prep Batch: 406537

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.35	U	0.344	0.243	J D	mg/Kg	☼	71	40 - 123	11	20
Acenaphthylene	0.35	U	0.344	0.223	J D	mg/Kg	☼	65	32 - 132	9	20
Anthracene	0.35	U	0.344	0.315	J D	mg/Kg	☼	92	47 - 123	1	20
Benzo[a]anthracene	0.62	J D	0.344	0.640	D J	mg/Kg	☼	6	49 - 126	16	20
Benzo[a]pyrene	0.92	J D	0.344	0.905	D J	mg/Kg	☼	-4	45 - 129	18	20
Benzo[b]fluoranthene	1.4	J D M	0.344	1.31	4 D J	mg/Kg	☼	-34	45 - 132	32	20
Benzo[g,h,i]perylene	0.67	J D	0.344	0.618	D J	mg/Kg	☼	-14	43 - 134	24	20
Benzo[k]fluoranthene	0.72	J D M	0.344	0.781	D J	mg/Kg	☼	17	47 - 132	3	20
Chrysene	0.86	J D	0.344	0.845	D J	mg/Kg	☼	-4	50 - 124	6	20
Fluoranthene	0.92	J D	0.344	0.926	D J	mg/Kg	☼	2	50 - 127	5	20
Fluorene	0.35	U J	0.344	0.222	D J	mg/Kg	☼	65	43 - 125	22	20
Indeno[1,2,3-cd]pyrene	0.79	J D	0.344	0.584	D J	mg/Kg	☼	-61	45 - 133	32	20
Dibenz(a,h)anthracene	0.26	J J D	0.344	0.318	D J	mg/Kg	☼	16	45 - 134	33	20
Naphthalene	0.35	U	0.344	0.224	J D	mg/Kg	☼	65	35 - 123	15	20
Phenanthrene	0.37	J D	0.344	0.487	D J	mg/Kg	☼	34	50 - 121	7	20
Pyrene	0.70	J D	0.344	0.729	D J	mg/Kg	☼	8	47 - 127	4	20
1-Methylnaphthalene	0.17	U	0.344	0.252	J D	mg/Kg	☼	73	40 - 119	2	20
2-Methylnaphthalene	0.35	U	0.344	0.240	J D	mg/Kg	☼	70	38 - 122	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 240-202751/1-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202751

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	4.0	U	20	4.0	0.62	mg/Kg		10/24/15 16:22	2
Antimony	0.15	U	0.40	0.15	0.014	mg/Kg		10/24/15 16:22	2
Arsenic	0.0444	J D	1.0	0.15	0.026	mg/Kg		10/24/15 16:22	2
Barium	0.30	U	1.0	0.30	0.22	mg/Kg		10/24/15 16:22	2
Beryllium	0.10	U	0.20	0.10	0.011	mg/Kg		10/24/15 16:22	2
Cadmium	0.010	U	0.40	0.010	0.0037	mg/Kg		10/24/15 16:22	2
Calcium	100	U	400	100	22	mg/Kg		10/24/15 16:22	2
Chromium	0.311	J D	1.0	0.45	0.060	mg/Kg		10/24/15 16:22	2
Cobalt	0.00720	J D	0.20	0.015	0.0017	mg/Kg		10/24/15 16:22	2
Copper	0.196	J D	0.80	0.30	0.097	mg/Kg		10/24/15 16:22	2
Iron	30	U	100	30	3.2	mg/Kg		10/24/15 16:22	2
Lead	0.20	U	0.60	0.20	0.045	mg/Kg		10/24/15 16:22	2
Magnesium	4.52	J D	200	25	4.0	mg/Kg		10/24/15 16:22	2
Manganese	0.40	U	1.0	0.40	0.12	mg/Kg		10/24/15 16:22	2
Nickel	0.0594	J D	1.0	0.25	0.039	mg/Kg		10/24/15 16:22	2
Potassium	10	U	200	10	4.9	mg/Kg		10/24/15 16:22	2
Selenium	0.060	U	1.0	0.060	0.040	mg/Kg		10/24/15 16:22	2
Silver	0.050	U	0.20	0.050	0.0014	mg/Kg		10/24/15 16:22	2
Sodium	40	U	200	40	8.7	mg/Kg		10/24/15 16:22	2
Thallium	0.15	U	0.40	0.15	0.019	mg/Kg		10/24/15 16:22	2
V	0.0552	J D	1.0	0.10	0.037	mg/Kg		10/24/15 16:22	2
Zinc	2.0	U	8.0	2.0	0.50	mg/Kg		10/24/15 16:22	2

Lab Sample ID: LCS 240-202751/2-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	1000	D	mg/Kg		100	78 - 124
Antimony	10.0	9.30	D	mg/Kg		93	72 - 124
Arsenic	100	89.4	D	mg/Kg		89	82 - 118
Barium	100	104	D	mg/Kg		104	86 - 116
Beryllium	100	95.8	D	mg/Kg		96	80 - 120
Cadmium	100	104	D	mg/Kg		104	84 - 116
Calcium	1000	902	D	mg/Kg		90	86 - 118
Chromium	100	95.5	D	mg/Kg		96	83 - 119
Cobalt	100	97.8	D	mg/Kg		98	84 - 115
Copper	100	99.2	D	mg/Kg		99	84 - 119
Iron	1000	987	D	mg/Kg		99	81 - 124
Lead	100	100	D	mg/Kg		100	84 - 118
Magnesium	1000	995	D	mg/Kg		99	80 - 123
Manganese	100	97.8	D	mg/Kg		98	85 - 116
Nickel	100	106	D	mg/Kg		106	84 - 119
Potassium	1000	970	D	mg/Kg		97	85 - 119
Selenium	100	89.6	D	mg/Kg		90	80 - 119
Silver	10.0	9.29	D	mg/Kg		93	83 - 118
Sodium	1000	979	D	mg/Kg		98	79 - 125
Thallium	25.0	24.5	D	mg/Kg		98	83 - 118

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-202751/2-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202751

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
V			100	95.1	D	mg/Kg		95	82 - 116		
Zinc			100	105	D	mg/Kg		105	82 - 119		

Lab Sample ID: 680-117942-C-43-A MS ^10
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: 680-117942-C-43-A MS ^10
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aluminum	15000	J D	924	17500	4 D	mg/Kg	☼	236	78 - 124		
Antimony	0.32	J J D	9.24	2.37	J D	mg/Kg	☼	22	72 - 124		
Arsenic	0.99	J D	92.4	84.2	D	mg/Kg	☼	90	82 - 118		
Barium	15	J D	92.4	102	D	mg/Kg	☼	94	86 - 116		
Beryllium	0.17	J D	92.4	87.9	D	mg/Kg	☼	95	80 - 120		
Cadmium	0.26	J J D	92.4	87.0	D	mg/Kg	☼	94	84 - 116		
Calcium	16000	J D	924	16000	4 D	mg/Kg	☼	27	86 - 118		
Chromium	280	J D	92.4	381	D	mg/Kg	☼	108	83 - 119		
Cobalt	33	D	92.4	120	D	mg/Kg	☼	94	84 - 115		
Copper	40	D	92.4	133	D	mg/Kg	☼	101	84 - 119		
Iron	32000	J D	924	33400	4 D	mg/Kg	☼	132	81 - 124		
Lead	51	D	92.4	144	D	mg/Kg	☼	101	84 - 118		
Manganese	490	J D	92.4	602	4 D	mg/Kg	☼	123	85 - 116		
Nickel	590	D J	92.4	694	4 D	mg/Kg	☼	117	84 - 119		
Potassium	1100	D	924	2030	D	mg/Kg	☼	96	85 - 119		
Selenium	0.29	J D	92.4	85.3	D	mg/Kg	☼	92	80 - 119		
Silver	0.044	J D	9.24	8.38	D	mg/Kg	☼	90	83 - 118		
Sodium	100	J D	924	959	D	mg/Kg	☼	93	79 - 125		
Thallium	0.71	U	23.1	20.4	D	mg/Kg	☼	88	83 - 118		
V	86	D	92.4	173	D	mg/Kg	☼	94	82 - 116		
Zinc	77	D	92.4	167	D	mg/Kg	☼	98	82 - 119		

Lab Sample ID: 680-117942-C-43-A MS ^20
Matrix: Solid
Analysis Batch: 203376

Client Sample ID: 680-117942-C-43-A MS ^20
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Magnesium	42000	D J	924	45300	D 4	mg/Kg	☼	376	80 - 123		

Lab Sample ID: 680-117942-C-43-B MSD ^10
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: 680-117942-C-43-B MSD ^10
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	15000	J D	921	16200	4 D	mg/Kg	☼	99	78 - 124	8	20
Antimony	0.32	J J D	9.21	2.02	D J	mg/Kg	☼	18	72 - 124	16	20
Arsenic	0.99	J D	92.1	83.8	D	mg/Kg	☼	90	82 - 118	0	20
Barium	15	J D	92.1	102	D	mg/Kg	☼	95	86 - 116	0	20
Beryllium	0.17	J D	92.1	84.6	D	mg/Kg	☼	92	80 - 120	4	20
Cadmium	0.26	J J D	92.1	86.7	D	mg/Kg	☼	94	84 - 116	0	20
Calcium	16000	J D	921	18600	4 D	mg/Kg	☼	309	86 - 118	15	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-C-43-B MSD ^10
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: 680-117942-C-43-B MSD ^10
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	280	J D	92.1	344	D J	mg/Kg	☼	68	83 - 119	10	20
Cobalt	33	D	92.1	116	D	mg/Kg	☼	91	84 - 115	3	20
Copper	40	D	92.1	127	D	mg/Kg	☼	95	84 - 119	4	20
Iron	32000	J D	921	31500	4 D	mg/Kg	☼	72	81 - 124	6	20
Lead	51	D	92.1	144	D	mg/Kg	☼	101	84 - 118	0	20
Manganese	490	J D	92.1	555	4 D	mg/Kg	☼	73	85 - 116	8	20
Nickel	590	D J	92.1	661	4 D	mg/Kg	☼	81	84 - 119	5	20
Potassium	1100	D	921	1980	D	mg/Kg	☼	91	85 - 119	3	20
Selenium	0.29	J D	92.1	84.7	D	mg/Kg	☼	92	80 - 119	1	20
Silver	0.044	J D	9.21	8.45	D	mg/Kg	☼	91	83 - 118	1	20
Sodium	100	J D	921	925	D	mg/Kg	☼	89	79 - 125	4	20
Thallium	0.71	U	23.0	20.3	D	mg/Kg	☼	88	83 - 118	0	20
V	86	D	92.1	163	D	mg/Kg	☼	83	82 - 116	6	20
Zinc	77	D	92.1	169	D	mg/Kg	☼	99	82 - 119	1	20

Lab Sample ID: 680-117942-C-43-B MSD ^20
Matrix: Solid
Analysis Batch: 203376

Client Sample ID: 680-117942-C-43-B MSD ^20
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	42000	D J	921	45400	D 4	mg/Kg	☼	383	80 - 123	0	20

Lab Sample ID: MB 240-202768/1-A ^2
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202768

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	4.0	U	20	4.0	0.62	mg/Kg		10/23/15 12:24	2
Antimony	0.0398	J D	0.40	0.15	0.014	mg/Kg		10/23/15 12:24	2
Arsenic	0.0384	J D	1.0	0.15	0.026	mg/Kg		10/23/15 12:24	2
Barium	0.30	U	1.0	0.30	0.22	mg/Kg		10/23/15 12:24	2
Beryllium	0.0156	J D	0.20	0.10	0.011	mg/Kg		10/23/15 12:24	2
Cadmium	0.0176	J D	0.40	0.010	0.0037	mg/Kg		10/23/15 12:24	2
Calcium	100	U	400	100	22	mg/Kg		10/23/15 12:24	2
Chromium	0.172	J D	1.0	0.45	0.060	mg/Kg		10/23/15 12:24	2
Cobalt	0.0132	J D	0.20	0.015	0.0017	mg/Kg		10/23/15 12:24	2
Copper	0.196	J D	0.80	0.30	0.097	mg/Kg		10/23/15 12:24	2
Iron	30	U	100	30	3.2	mg/Kg		10/23/15 12:24	2
Lead	0.20	U	0.60	0.20	0.045	mg/Kg		10/23/15 12:24	2
Magnesium	4.30	J D	200	25	4.0	mg/Kg		10/23/15 12:24	2
Manganese	0.40	U	1.0	0.40	0.12	mg/Kg		10/23/15 12:24	2
Nickel	0.25	U	1.0	0.25	0.039	mg/Kg		10/23/15 12:24	2
Potassium	10	U	200	10	4.9	mg/Kg		10/23/15 12:24	2
Selenium	0.0452	J D	1.0	0.060	0.040	mg/Kg		10/23/15 12:24	2
Silver	0.00180	J D	0.20	0.050	0.0014	mg/Kg		10/23/15 12:24	2
Sodium	40	U	200	40	8.7	mg/Kg		10/23/15 12:24	2
Thallium	0.15	U	0.40	0.15	0.019	mg/Kg		10/23/15 12:24	2
V	0.0534	J D	1.0	0.10	0.037	mg/Kg		10/23/15 12:24	2
Zinc	2.0	U	8.0	2.0	0.50	mg/Kg		10/23/15 12:24	2

Lab Sample ID: LCS 240-202768/2-A ^2
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	1010	D	mg/Kg		101	78 - 124
Antimony	10.0	9.63	D	mg/Kg		96	72 - 124
Arsenic	100	96.7	D	mg/Kg		97	82 - 118
Barium	100	102	D	mg/Kg		102	86 - 116
Beryllium	100	88.2	D	mg/Kg		88	80 - 120
Cadmium	100	103	D	mg/Kg		103	84 - 116
Calcium	1000	981	D	mg/Kg		98	86 - 118
Chromium	100	98.2	D	mg/Kg		98	83 - 119
Cobalt	100	97.7	D	mg/Kg		98	84 - 115
Copper	100	100	D	mg/Kg		100	84 - 119
Iron	1000	982	D	mg/Kg		98	81 - 124
Lead	100	102	D	mg/Kg		102	84 - 118
Magnesium	1000	1000	D	mg/Kg		100	80 - 123
Manganese	100	97.8	D	mg/Kg		98	85 - 116
Nickel	100	105	D	mg/Kg		105	84 - 119
Potassium	1000	978	D	mg/Kg		98	85 - 119
Selenium	100	92.9	D	mg/Kg		93	80 - 119
Silver	10.0	9.38	D	mg/Kg		94	83 - 118
Sodium	1000	989	D	mg/Kg		99	79 - 125
Thallium	25.0	24.7	D	mg/Kg		99	83 - 118
V	100	95.1	D	mg/Kg		95	82 - 116
Zinc	100	104	D	mg/Kg		104	82 - 119

Lab Sample ID: 680-117942-B-26-B MS ^10
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: 680-117942-B-26-B MS ^10
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7900	D J	1010	7520	D 4	mg/Kg	☼	-38	78 - 124
Antimony	0.50	J D J	10.1	4.02	D J	mg/Kg	☼	35	72 - 124
Arsenic	3.7	J D J	101	93.0	D	mg/Kg	☼	88	82 - 118
Barium	1200	D J	101	278	D 4	mg/Kg	☼	-866	86 - 116
Cadmium	1.1	J D J	101	93.5	D	mg/Kg	☼	91	84 - 116
Chromium	140	D J	101	200	D J	mg/Kg	☼	56	83 - 119
Cobalt	16	D J	101	104	D	mg/Kg	☼	87	84 - 115
Copper	28	D J	101	114	D	mg/Kg	☼	86	84 - 119
Iron	17000	D J	1010	14200	D 4	mg/Kg	☼	-308	81 - 124
Lead	110	D J	101	180	D J	mg/Kg	☼	72	84 - 118
Magnesium	36000	D J	1010	28500	D 4	mg/Kg	☼	-738	80 - 123
Manganese	340	D J	101	357	D J	mg/Kg	☼	14	85 - 116
Nickel	290	D J	101	327	D J	mg/Kg	☼	33	84 - 119
Potassium	610	J D J	1010	1440	D J	mg/Kg	☼	82	85 - 119
Selenium	0.59	J D J	101	91.6	D	mg/Kg	☼	90	80 - 119
Silver	0.081	J D J	10.1	8.98	D	mg/Kg	☼	88	83 - 118
Sodium	270	J D J	1010	1130	D	mg/Kg	☼	85	79 - 125
Thallium	0.91	U J	25.3	22.0	D	mg/Kg	☼	87	83 - 118
V	39	D J	101	121	D J	mg/Kg	☼	81	82 - 116
Zinc	440	D J	101	214	D 4	mg/Kg	☼	-219	82 - 119

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-B-26-B MS ^50
Matrix: Solid
Analysis Batch: 203825

Client Sample ID: 680-117942-B-26-B MS ^50
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	130000	J D	1010	100000	4 D	mg/Kg	☼	-2945	86 - 118

Lab Sample ID: 680-117942-B-26-C MSD ^10
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: 680-117942-B-26-C MSD ^10
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	7900	D J	991	6740	D 4	mg/Kg	☼	-117	78 - 124	11	20
Antimony	0.50	J D J	9.91	2.77	D J	mg/Kg	☼	23	72 - 124	37	20
Arsenic	3.7	J D J	99.1	80.3	D J	mg/Kg	☼	77	82 - 118	15	20
Barium	1200	D J	99.1	194	D 4 J	mg/Kg	☼	-970	86 - 116	36	20
Cadmium	1.1	J D J	99.1	80.0	D J	mg/Kg	☼	80	84 - 116	15	20
Chromium	140	D J	99.1	177	D J	mg/Kg	☼	34	83 - 119	12	20
Cobalt	16	D J	99.1	90.3	D J	mg/Kg	☼	75	84 - 115	14	20
Copper	28	D J	99.1	108	D J	mg/Kg	☼	81	84 - 119	6	20
Iron	17000	D J	991	12300	D 4	mg/Kg	☼	-505	81 - 124	14	20
Lead	110	D J	99.1	168	D J	mg/Kg	☼	61	84 - 118	7	20
Magnesium	36000	D J	991	24600	D 4	mg/Kg	☼	-1146	80 - 123	15	20
Manganese	340	D J	99.1	312	D J	mg/Kg	☼	-31	85 - 116	13	20
Nickel	290	D J	99.1	268	D J	mg/Kg	☼	-25	84 - 119	20	20
Potassium	610	J D J	991	1320	D J	mg/Kg	☼	72	85 - 119	9	20
Selenium	0.59	J D J	99.1	79.5	D	mg/Kg	☼	80	80 - 119	14	20
Silver	0.081	J D J	9.91	8.27	D	mg/Kg	☼	83	83 - 118	8	20
Sodium	270	J D J	991	994	D J	mg/Kg	☼	73	79 - 125	13	20
Thallium	0.91	U J	24.8	19.8	D J	mg/Kg	☼	80	83 - 118	10	20
V	39	D J	99.1	107	D J	mg/Kg	☼	69	82 - 116	12	20
Zinc	440	D J	99.1	177	D 4	mg/Kg	☼	-262	82 - 119	19	20

Lab Sample ID: 680-117942-B-26-C MSD ^50
Matrix: Solid
Analysis Batch: 203825

Client Sample ID: 680-117942-B-26-C MSD ^50
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	130000	J D	991	91900	4 D	mg/Kg	☼	-3854	86 - 118	9	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-202763/1-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202763

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg		10/23/15 16:46	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 240-202763/2-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.855		mg/Kg		103	80 - 124

Lab Sample ID: MB 240-202771/1-A
Matrix: Solid
Analysis Batch: 203727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202771

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg		10/26/15 16:17	1

Lab Sample ID: LCS 240-202771/2-A
Matrix: Solid
Analysis Batch: 203727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.762		mg/Kg		91	80 - 124

GC/MS Semi VOA

Prep Batch: 406537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	3546	
680-117942-2	AOPSF201	Total/NA	Solid	3546	
680-117942-3	AOPSD301	Total/NA	Solid	3546	
680-117942-4	AOPSE301	Total/NA	Solid	3546	
680-117942-5	AOPSE501	Total/NA	Solid	3546	
680-117942-6	AOPCF101	Total/NA	Solid	3546	
680-117942-7	AOPSC401	Total/NA	Solid	3546	
680-117942-8	AOPSF101	Total/NA	Solid	3546	
680-117942-9	AOPSD501	Total/NA	Solid	3546	
680-117942-10	AOPSD401	Total/NA	Solid	3546	
680-117942-11	AOPSC701	Total/NA	Solid	3546	
680-117942-12	AOPSC801	Total/NA	Solid	3546	
680-117942-13	AOPSG701	Total/NA	Solid	3546	
680-117942-14	AOPSG1001	Total/NA	Solid	3546	
680-117942-15	AOPSG901	Total/NA	Solid	3546	
680-117942-16	AOPSD801	Total/NA	Solid	3546	
680-117942-17	AOPSD701	Total/NA	Solid	3546	
680-117942-18	AOPSD1001	Total/NA	Solid	3546	
680-117942-19	AOPSG601	Total/NA	Solid	3546	
680-117942-19 MS	AOPSG601	Total/NA	Solid	3546	
680-117942-19 MSD	AOPSG601	Total/NA	Solid	3546	
680-117942-20	AOPSF1001	Total/NA	Solid	3546	
LCS 680-406537/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406537/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 406542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	3546	
680-117942-1 MS	AOPSE201	Total/NA	Solid	3546	
680-117942-1 MSD	AOPSE201	Total/NA	Solid	3546	
680-117942-2	AOPSF201	Total/NA	Solid	3546	
680-117942-3	AOPSD301	Total/NA	Solid	3546	
680-117942-4	AOPSE301	Total/NA	Solid	3546	
680-117942-5	AOPSE501	Total/NA	Solid	3546	
680-117942-6	AOPCF101	Total/NA	Solid	3546	
680-117942-7	AOPSC401	Total/NA	Solid	3546	
680-117942-8	AOPSF101	Total/NA	Solid	3546	
680-117942-9	AOPSD501	Total/NA	Solid	3546	
680-117942-10	AOPSD401	Total/NA	Solid	3546	
680-117942-11	AOPSC701	Total/NA	Solid	3546	
680-117942-12	AOPSC801	Total/NA	Solid	3546	
680-117942-13	AOPSG701	Total/NA	Solid	3546	
680-117942-14	AOPSG1001	Total/NA	Solid	3546	
680-117942-15	AOPSG901	Total/NA	Solid	3546	
680-117942-16	AOPSD801	Total/NA	Solid	3546	
680-117942-17	AOPSD701	Total/NA	Solid	3546	
680-117942-18	AOPSD1001	Total/NA	Solid	3546	
680-117942-19	AOPSG601	Total/NA	Solid	3546	
680-117942-20	AOPSF1001	Total/NA	Solid	3546	
LCS 680-406542/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406542/21-A	Method Blank	Total/NA	Solid	3546	

QC Association Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Analysis Batch: 407073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	8270D DOD	406537
680-117942-2	AOPSF201	Total/NA	Solid	8270D DOD	406537
680-117942-3	AOPSD301	Total/NA	Solid	8270D DOD	406537
680-117942-4	AOPSE301	Total/NA	Solid	8270D DOD	406537
680-117942-5	AOPSE501	Total/NA	Solid	8270D DOD	406537
680-117942-6	AOPCF101	Total/NA	Solid	8270D DOD	406537
680-117942-7	AOPSC401	Total/NA	Solid	8270D DOD	406537
680-117942-9	AOPSD501	Total/NA	Solid	8270D DOD	406537
680-117942-10	AOPSD401	Total/NA	Solid	8270D DOD	406537
680-117942-11	AOPSC701	Total/NA	Solid	8270D DOD	406537
680-117942-12	AOPSC801	Total/NA	Solid	8270D DOD	406537
680-117942-13	AOPSG701	Total/NA	Solid	8270D DOD	406537
680-117942-14	AOPSG1001	Total/NA	Solid	8270D DOD	406537
680-117942-15	AOPSG901	Total/NA	Solid	8270D DOD	406537
680-117942-16	AOPSD801	Total/NA	Solid	8270D DOD	406537
680-117942-17	AOPSD701	Total/NA	Solid	8270D DOD	406537
680-117942-20	AOPSF1001	Total/NA	Solid	8270D DOD	406537
LCS 680-406537/22-A	Lab Control Sample	Total/NA	Solid	8270D DOD	406537
MB 680-406537/21-A	Method Blank	Total/NA	Solid	8270D DOD	406537

Analysis Batch: 407637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-8	AOPSF101	Total/NA	Solid	8270D DOD	406537
680-117942-18	AOPSD1001	Total/NA	Solid	8270D DOD	406537
680-117942-19	AOPSG601	Total/NA	Solid	8270D DOD	406537
680-117942-19 MS	AOPSG601	Total/NA	Solid	8270D DOD	406537
680-117942-19 MSD	AOPSG601	Total/NA	Solid	8270D DOD	406537

Analysis Batch: 407686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	8270D	406542
680-117942-1 MS	AOPSE201	Total/NA	Solid	8270D	406542
680-117942-1 MSD	AOPSE201	Total/NA	Solid	8270D	406542
680-117942-2	AOPSF201	Total/NA	Solid	8270D	406542
680-117942-3	AOPSD301	Total/NA	Solid	8270D	406542
680-117942-4	AOPSE301	Total/NA	Solid	8270D	406542
680-117942-5	AOPSE501	Total/NA	Solid	8270D	406542
680-117942-6	AOPCF101	Total/NA	Solid	8270D	406542
680-117942-7	AOPSC401	Total/NA	Solid	8270D	406542
680-117942-8	AOPSF101	Total/NA	Solid	8270D	406542
680-117942-9	AOPSD501	Total/NA	Solid	8270D	406542
680-117942-10	AOPSD401	Total/NA	Solid	8270D	406542
680-117942-11	AOPSC701	Total/NA	Solid	8270D	406542
680-117942-12	AOPSC801	Total/NA	Solid	8270D	406542
680-117942-13	AOPSG701	Total/NA	Solid	8270D	406542
680-117942-14	AOPSG1001	Total/NA	Solid	8270D	406542
680-117942-15	AOPSG901	Total/NA	Solid	8270D	406542
680-117942-16	AOPSD801	Total/NA	Solid	8270D	406542
680-117942-17	AOPSD701	Total/NA	Solid	8270D	406542
LCS 680-406542/22-A	Lab Control Sample	Total/NA	Solid	8270D	406542
MB 680-406542/21-A	Method Blank	Total/NA	Solid	8270D	406542

GC/MS Semi VOA (Continued)

Analysis Batch: 407903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-18	AOPSD1001	Total/NA	Solid	8270D	406542
680-117942-19	AOPSG601	Total/NA	Solid	8270D	406542
680-117942-20	AOPSF1001	Total/NA	Solid	8270D	406542

Prep Batch: 408525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-18 - RE	AOPSD1001	Total/NA	Solid	3546	
680-117942-20 - RE	AOPSF1001	Total/NA	Solid	3546	
LCS 680-408525/14-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-408525/13-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 408812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-18 - RE	AOPSD1001	Total/NA	Solid	8270D	408525
680-117942-20 - RE	AOPSF1001	Total/NA	Solid	8270D	408525
LCS 680-408525/14-A	Lab Control Sample	Total/NA	Solid	8270D	408525
MB 680-408525/13-A	Method Blank	Total/NA	Solid	8270D	408525

Prep Batch: 409071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1 - RE	AOPSE201	Total/NA	Solid	3546	
LCS 680-409071/15-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-409071/14-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 409308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1 - RE	AOPSE201	Total/NA	Solid	8270D	409071
LCS 680-409071/15-A	Lab Control Sample	Total/NA	Solid	8270D	409071
MB 680-409071/14-A	Method Blank	Total/NA	Solid	8270D	409071

Metals

Prep Batch: 202751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-4	AOPSE301	Total/NA	Solid	3050B	
680-117942-7	AOPSC401	Total/NA	Solid	3050B	
680-117942-9	AOPSD501	Total/NA	Solid	3050B	
680-117942-12	AOPSC801	Total/NA	Solid	3050B	
680-117942-C-43-A MS ^10	680-117942-C-43-A MS ^10	Total/NA	Solid	3050B	
680-117942-C-43-A MS ^20	680-117942-C-43-A MS ^20	Total/NA	Solid	3050B	
680-117942-C-43-B MSD ^1(	680-117942-C-43-B MSD ^10	Total/NA	Solid	3050B	
680-117942-C-43-B MSD ^2(	680-117942-C-43-B MSD ^20	Total/NA	Solid	3050B	
LCS 240-202751/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-202751/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 202763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-4	AOPSE301	Total/NA	Solid	7471B	
680-117942-7	AOPSC401	Total/NA	Solid	7471B	
680-117942-9	AOPSD501	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 202763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-12	AOPSC801	Total/NA	Solid	7471B	
LCS 240-202763/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-202763/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 202768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	3050B	
680-117942-2	AOPSF201	Total/NA	Solid	3050B	
680-117942-3	AOPSD301	Total/NA	Solid	3050B	
680-117942-5	AOPSE501	Total/NA	Solid	3050B	
680-117942-6	AOPCF101	Total/NA	Solid	3050B	
680-117942-8	AOPSF101	Total/NA	Solid	3050B	
680-117942-10	AOPSD401	Total/NA	Solid	3050B	
680-117942-11	AOPSC701	Total/NA	Solid	3050B	
680-117942-13	AOPSG701	Total/NA	Solid	3050B	
680-117942-14	AOPSG1001	Total/NA	Solid	3050B	
680-117942-15	AOPSG901	Total/NA	Solid	3050B	
680-117942-16	AOPSD801	Total/NA	Solid	3050B	
680-117942-17	AOPSD701	Total/NA	Solid	3050B	
680-117942-18	AOPSD1001	Total/NA	Solid	3050B	
680-117942-19	AOPSG601	Total/NA	Solid	3050B	
680-117942-20	AOPSF1001	Total/NA	Solid	3050B	
680-117942-B-26-B MS ^10	680-117942-B-26-B MS ^10	Total/NA	Solid	3050B	
680-117942-B-26-B MS ^50	680-117942-B-26-B MS ^50	Total/NA	Solid	3050B	
680-117942-B-26-C MSD ^1(	680-117942-B-26-C MSD ^10	Total/NA	Solid	3050B	
680-117942-B-26-C MSD ^5(	680-117942-B-26-C MSD ^50	Total/NA	Solid	3050B	
LCS 240-202768/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-202768/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 202771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	7471B	
680-117942-2	AOPSF201	Total/NA	Solid	7471B	
680-117942-3	AOPSD301	Total/NA	Solid	7471B	
680-117942-5	AOPSE501	Total/NA	Solid	7471B	
680-117942-6	AOPCF101	Total/NA	Solid	7471B	
680-117942-8	AOPSF101	Total/NA	Solid	7471B	
680-117942-10	AOPSD401	Total/NA	Solid	7471B	
680-117942-11	AOPSC701	Total/NA	Solid	7471B	
680-117942-13	AOPSG701	Total/NA	Solid	7471B	
680-117942-14	AOPSG1001	Total/NA	Solid	7471B	
680-117942-15	AOPSG901	Total/NA	Solid	7471B	
680-117942-16	AOPSD801	Total/NA	Solid	7471B	
680-117942-17	AOPSD701	Total/NA	Solid	7471B	
680-117942-18	AOPSD1001	Total/NA	Solid	7471B	
680-117942-19	AOPSG601	Total/NA	Solid	7471B	
680-117942-20	AOPSF1001	Total/NA	Solid	7471B	
LCS 240-202771/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-202771/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Analysis Batch: 203376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	6020A	202768
680-117942-3	AOPSD301	Total/NA	Solid	6020A	202768
680-117942-9	AOPSD501	Total/NA	Solid	6020A	202751
680-117942-10	AOPSD401	Total/NA	Solid	6020A	202768
680-117942-12	AOPSC801	Total/NA	Solid	6020A	202751
680-117942-13	AOPSG701	Total/NA	Solid	6020A	202768
680-117942-14	AOPSG1001	Total/NA	Solid	6020A	202768
680-117942-16	AOPSD801	Total/NA	Solid	6020A	202768
680-117942-17	AOPSD701	Total/NA	Solid	6020A	202768
680-117942-18	AOPSD1001	Total/NA	Solid	6020A	202768
680-117942-19	AOPSG601	Total/NA	Solid	6020A	202768
680-117942-C-43-A MS ^20	680-117942-C-43-A MS ^20	Total/NA	Solid	6020A	202751
680-117942-C-43-B MSD ^2(	680-117942-C-43-B MSD ^20	Total/NA	Solid	6020A	202751

Analysis Batch: 203445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	6020A	202768
680-117942-2	AOPSF201	Total/NA	Solid	6020A	202768
680-117942-3	AOPSD301	Total/NA	Solid	6020A	202768
680-117942-5	AOPSE501	Total/NA	Solid	6020A	202768
680-117942-6	AOPCF101	Total/NA	Solid	6020A	202768
680-117942-8	AOPSF101	Total/NA	Solid	6020A	202768
680-117942-10	AOPSD401	Total/NA	Solid	6020A	202768
680-117942-11	AOPSC701	Total/NA	Solid	6020A	202768
680-117942-13	AOPSG701	Total/NA	Solid	6020A	202768
680-117942-14	AOPSG1001	Total/NA	Solid	6020A	202768
680-117942-15	AOPSG901	Total/NA	Solid	6020A	202768
680-117942-16	AOPSD801	Total/NA	Solid	6020A	202768
680-117942-17	AOPSD701	Total/NA	Solid	6020A	202768
680-117942-18	AOPSD1001	Total/NA	Solid	6020A	202768
680-117942-19	AOPSG601	Total/NA	Solid	6020A	202768
680-117942-20	AOPSF1001	Total/NA	Solid	6020A	202768
680-117942-B-26-B MS ^10	680-117942-B-26-B MS ^10	Total/NA	Solid	6020A	202768
680-117942-B-26-C MSD ^1(	680-117942-B-26-C MSD ^10	Total/NA	Solid	6020A	202768
LCS 240-202768/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	202768
MB 240-202768/1-A ^2	Method Blank	Total/NA	Solid	6020A	202768

Analysis Batch: 203476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-4	AOPSE301	Total/NA	Solid	7471B	202763
680-117942-7	AOPSC401	Total/NA	Solid	7471B	202763
680-117942-9	AOPSD501	Total/NA	Solid	7471B	202763
680-117942-12	AOPSC801	Total/NA	Solid	7471B	202763
LCS 240-202763/2-A	Lab Control Sample	Total/NA	Solid	7471B	202763
MB 240-202763/1-A	Method Blank	Total/NA	Solid	7471B	202763

Analysis Batch: 203621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-4	AOPSE301	Total/NA	Solid	6020A	202751
680-117942-7	AOPSC401	Total/NA	Solid	6020A	202751
680-117942-9	AOPSD501	Total/NA	Solid	6020A	202751

Metals (Continued)

Analysis Batch: 203621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-12	AOPSC801	Total/NA	Solid	6020A	202751
680-117942-C-43-A MS ^10	680-117942-C-43-A MS ^10	Total/NA	Solid	6020A	202751
680-117942-C-43-B MSD ^1(	680-117942-C-43-B MSD ^10	Total/NA	Solid	6020A	202751
LCS 240-202751/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	202751
MB 240-202751/1-A ^2	Method Blank	Total/NA	Solid	6020A	202751

Analysis Batch: 203727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	7471B	202771
680-117942-2	AOPSF201	Total/NA	Solid	7471B	202771
680-117942-3	AOPSD301	Total/NA	Solid	7471B	202771
680-117942-5	AOPSE501	Total/NA	Solid	7471B	202771
680-117942-6	AOPCF101	Total/NA	Solid	7471B	202771
680-117942-8	AOPSF101	Total/NA	Solid	7471B	202771
680-117942-10	AOPSD401	Total/NA	Solid	7471B	202771
680-117942-11	AOPSC701	Total/NA	Solid	7471B	202771
680-117942-13	AOPSG701	Total/NA	Solid	7471B	202771
680-117942-14	AOPSG1001	Total/NA	Solid	7471B	202771
680-117942-15	AOPSG901	Total/NA	Solid	7471B	202771
680-117942-16	AOPSD801	Total/NA	Solid	7471B	202771
680-117942-17	AOPSD701	Total/NA	Solid	7471B	202771
680-117942-18	AOPSD1001	Total/NA	Solid	7471B	202771
680-117942-19	AOPSG601	Total/NA	Solid	7471B	202771
680-117942-20	AOPSF1001	Total/NA	Solid	7471B	202771
LCS 240-202771/2-A	Lab Control Sample	Total/NA	Solid	7471B	202771
MB 240-202771/1-A	Method Blank	Total/NA	Solid	7471B	202771

Analysis Batch: 203825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-2	AOPSF201	Total/NA	Solid	6020A	202768
680-117942-5	AOPSE501	Total/NA	Solid	6020A	202768
680-117942-6	AOPCF101	Total/NA	Solid	6020A	202768
680-117942-8	AOPSF101	Total/NA	Solid	6020A	202768
680-117942-B-26-B MS ^50	680-117942-B-26-B MS ^50	Total/NA	Solid	6020A	202768
680-117942-B-26-C MSD ^5(	680-117942-B-26-C MSD ^50	Total/NA	Solid	6020A	202768

General Chemistry

Analysis Batch: 406186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-4	AOPSE301	Total/NA	Solid	Moisture	
680-117942-7	AOPSC401	Total/NA	Solid	Moisture	
680-117942-9	AOPSD501	Total/NA	Solid	Moisture	
680-117942-12	AOPSC801	Total/NA	Solid	Moisture	

Analysis Batch: 406462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	Moisture	
680-117942-2	AOPSF201	Total/NA	Solid	Moisture	
680-117942-3	AOPSD301	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 406462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-5	AOPSE501	Total/NA	Solid	Moisture	
680-117942-6	AOPCF101	Total/NA	Solid	Moisture	
680-117942-8	AOPSF101	Total/NA	Solid	Moisture	
680-117942-10	AOPSD401	Total/NA	Solid	Moisture	
680-117942-11	AOPSC701	Total/NA	Solid	Moisture	
680-117942-13	AOPSG701	Total/NA	Solid	Moisture	
680-117942-14	AOPSG1001	Total/NA	Solid	Moisture	
680-117942-15	AOPSG901	Total/NA	Solid	Moisture	
680-117942-16	AOPSD801	Total/NA	Solid	Moisture	
680-117942-17	AOPSD701	Total/NA	Solid	Moisture	
680-117942-18	AOPSD1001	Total/NA	Solid	Moisture	
680-117942-19	AOPSG601	Total/NA	Solid	Moisture	
680-117942-20	AOPSF1001	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSE201
Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSE201
Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1
Matrix: Solid
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.15 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.15 g	5 mL	407686	10/27/15 17:41	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546	RE		6.46 g	1 mL	409071	11/05/15 11:36	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.46 g	1 mL	409308	11/06/15 15:23	CAR	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.23 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.23 g	5 mL	407073	10/23/15 15:21	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.20 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.20 g	100 mL	203376	10/22/15 16:19	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	203445	10/23/15 13:28	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.61 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.61 g	100 mL	203727	10/26/15 16:26	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSF201
Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSF201
Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.10 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.10 g	5 mL	407686	10/27/15 18:05	JEM	TAL SAV
	Instrument ID: CMSN									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.31 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.31 g	5 mL	407073	10/23/15 15:56	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.13 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.13 g	100 mL	203445	10/23/15 13:31	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.13 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.13 g	100 mL	203825	10/26/15 16:20	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203727	10/26/15 16:33	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSD301

Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSD301

Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3

Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.14 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.14 g	5 mL	407686	10/27/15 18:28	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.17 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.17 g	5 mL	407073	10/23/15 21:32	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.22 g	100 mL	203376	10/22/15 16:26	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.22 g	100 mL	203445	10/23/15 13:35	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.54 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.54 g	100 mL	203727	10/26/15 16:35	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSE301
Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSE301
Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.04 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.04 g	5 mL	407686	10/27/15 18:51	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.19 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.19 g	5 mL	407073	10/23/15 17:56	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.11 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.11 g	100 mL	203621	10/24/15 17:26	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.68 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.68 g	100 mL	203476	10/23/15 16:55	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSE501
Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSE501
Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.01 g	5 mL	407686	10/27/15 19:14	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.06 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.06 g	5 mL	407073	10/23/15 21:56	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.28 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.28 g	100 mL	203445	10/23/15 13:39	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.28 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSE501

Lab Sample ID: 680-117942-5
Date Collected: 10/10/15 16:30
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		50	1.28 g	100 mL	203825	10/26/15 16:23	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203727	10/26/15 16:36	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPCF101

Lab Sample ID: 680-117942-6
Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPCF101

Lab Sample ID: 680-117942-6
Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 50.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.15 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.15 g	5 mL	407686	10/27/15 19:38	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.10 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.10 g	5 mL	407073	10/23/15 20:44	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.08 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.08 g	100 mL	203445	10/23/15 13:42	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.08 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.08 g	100 mL	203825	10/26/15 16:27	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.55 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.55 g	100 mL	203727	10/26/15 16:38	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSC401

Lab Sample ID: 680-117942-7
Date Collected: 10/10/15 15:30
Matrix: Solid
Date Received: 10/16/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSC401

Lab Sample ID: 680-117942-7
Date Collected: 10/10/15 15:30
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.13 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.13 g	5 mL	407686	10/27/15 20:01	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.08 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.08 g	5 mL	407073	10/23/15 16:44	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.11 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.11 g	100 mL	203621	10/24/15 17:29	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.51 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.51 g	100 mL	203476	10/23/15 16:57	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSF101

Lab Sample ID: 680-117942-8
Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSF101

Lab Sample ID: 680-117942-8
Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 56.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.07 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.07 g	5 mL	407686	10/27/15 20:24	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.06 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.06 g	5 mL	407637	10/27/15 12:52	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.18 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.18 g	100 mL	203445	10/23/15 13:46	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.18 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.18 g	100 mL	203825	10/26/15 16:31	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.59 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.59 g	100 mL	203727	10/26/15 16:40	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSD501
Date Collected: 10/10/15 16:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSD501
Date Collected: 10/10/15 16:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-9
Matrix: Solid
Percent Solids: 64.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.10 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.10 g	5 mL	407686	10/27/15 20:47	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.01 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.01 g	5 mL	407073	10/23/15 19:56	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.18 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.18 g	100 mL	203376	10/22/15 19:56	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.18 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.18 g	100 mL	203621	10/24/15 17:33	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203476	10/23/15 16:59	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSD401
Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSD401
Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10
Matrix: Solid
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.22 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.22 g	5 mL	407686	10/27/15 21:10	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.07 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.07 g	5 mL	407073	10/23/15 17:08	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSD401

Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10

Matrix: Solid
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		20	1.22 g	100 mL	203376	10/22/15 16:48	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.22 g	100 mL	203445	10/23/15 13:49	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.70 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.70 g	100 mL	203727	10/26/15 16:42	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.06 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.06 g	5 mL	407686	10/27/15 21:33	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.04 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.04 g	5 mL	407073	10/23/15 19:08	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.08 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.08 g	100 mL	203445	10/23/15 13:53	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.53 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.53 g	100 mL	203727	10/26/15 16:44	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSC801

Date Collected: 10/11/15 11:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSC801

Date Collected: 10/11/15 11:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-12

Matrix: Solid
Percent Solids: 43.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.03 g	5 mL	407686	10/27/15 21:57	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.05 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.05 g	5 mL	407073	10/23/15 19:33	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.29 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.29 g	100 mL	203376	10/22/15 19:59	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.29 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.29 g	100 mL	203621	10/24/15 17:36	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.58 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.58 g	100 mL	203476	10/23/15 17:13	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSG701

Date Collected: 10/11/15 17:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSG701

Date Collected: 10/11/15 17:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-13

Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.06 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.06 g	5 mL	407686	10/27/15 22:20	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.09 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.09 g	5 mL	407073	10/23/15 21:08	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.20 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.20 g	100 mL	203376	10/22/15 16:55	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	203445	10/23/15 13:56	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.61 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.61 g	100 mL	203727	10/26/15 16:46	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSG1001
Date Collected: 10/11/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSG1001
Date Collected: 10/11/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-14
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.17 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.17 g	5 mL	407686	10/27/15 22:43	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.09 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.09 g	5 mL	407073	10/23/15 16:19	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.22 g	100 mL	203376	10/22/15 16:59	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.22 g	100 mL	203445	10/23/15 14:00	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203727	10/26/15 16:47	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSG901
Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSG901
Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.23 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.23 g	5 mL	407686	10/27/15 23:06	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.08 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.08 g	5 mL	407073	10/23/15 18:20	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.11 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSG901
Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		10	1.11 g	100 mL	203445	10/23/15 14:11	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.61 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.61 g	100 mL	203727	10/26/15 16:49	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSD801
Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSD801
Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16
Matrix: Solid
Percent Solids: 52.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.02 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.02 g	5 mL	407686	10/27/15 23:30	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.06 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.06 g	5 mL	407073	10/23/15 18:44	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.02 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.02 g	100 mL	203376	10/22/15 17:06	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.02 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.02 g	100 mL	203445	10/23/15 14:14	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203727	10/26/15 16:54	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSD701
Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSD701

Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17

Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.28 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.28 g	5 mL	407686	10/27/15 23:53	JEM	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			30.04 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.04 g	5 mL	407073	10/23/15 17:32	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.04 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.04 g	100 mL	203376	10/22/15 17:09	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.04 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.04 g	100 mL	203445	10/23/15 14:18	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.51 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.51 g	100 mL	203727	10/26/15 16:56	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSD1001

Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSD1001

Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18

Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		6.48 g	1 mL	408525	11/02/15 11:31	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.48 g	1 mL	408812	11/04/15 04:57	JEM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			30.15 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.15 g	5 mL	407903	10/28/15 23:38	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			30.29 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.29 g	5 mL	407637	10/27/15 13:15	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.07 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.07 g	100 mL	203376	10/22/15 17:13	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.07 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.07 g	100 mL	203445	10/23/15 14:22	AS1	TAL CAN
	Instrument ID: I10									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSD1001

Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18

Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.55 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.55 g	100 mL	203727	10/26/15 16:59	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSG601

Date Collected: 10/11/15 17:50
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSG601

Date Collected: 10/11/15 17:50
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-19

Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.24 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.24 g	5 mL	407903	10/29/15 00:03	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			30.05 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.05 g	5 mL	407637	10/27/15 13:40	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.34 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.34 g	100 mL	203376	10/22/15 17:17	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.34 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.34 g	100 mL	203445	10/23/15 14:25	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.58 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.58 g	100 mL	203727	10/26/15 17:01	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid
Percent Solids: 46.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		6.09 g	1 mL	408525	11/02/15 11:31	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.09 g	1 mL	408812	11/04/15 05:21	JEM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			30.01 g	5 mL	406542	10/20/15 17:05	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.01 g	5 mL	407903	10/29/15 00:27	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			30.15 g	5 mL	406537	10/21/15 09:44	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		10	30.15 g	5 mL	407073	10/23/15 20:21	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.21 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.21 g	100 mL	203445	10/23/15 14:29	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203727	10/26/15 17:02	WAL	TAL CAN
	Instrument ID: H4									

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 1 of 6

Project Name: Site Investigation | PO No. | Project No. 088819816 Phase SI

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 | RC Project Manager: Paul Stoddard | (3)→

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7 day Prelim. 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	OP PEST 8081	METALS, TAL	GRO	PESTS/PCBs	SVOCs, TAL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSE201	E2	10-10-15	1800	SO	N	N	4	1	1	1	~	1	~						
	AOPSF201	F2	10-10-15	1730	SO	N	N	4	1	1	1	~	1	~						
	AOPSD301	D3	10-10-15	1815	SO	N	N	4	1	1	1	~	1	~						
	AOPSE301	E3	10-10-15	1715	SO	N	N	4	1	1	1	~	1	~						
	AOPSE501	E5	10-10-15	1630	SO	N	N	4	1	1	1	~	1	~						
	AOPCF101	F1	10-10-15	1745	SO	FD	N	4	1	1	1	~	1	~						
	AOPSC401	C4	10-10-15	1530	SO	N	N	4	1	1	1	~	1	~						
	AOPSF101	F1	10-10-15	1745	SO	N	N	4	1	1	1	~	1	~						
	AOPSD501	D5	10-10-15	1600	SO	N	N	4	1	1	1	~	1	~						
	AOPSD401	D4	10-10-15	1500	SO	N	N	4	1	1	1	~	1	~						
	AOPSC701	C7	10-11-15	1120	SO	FD	N	4	1	1	1	~	1	~						
	AOPSC801	C8	10-11-15	1140	SO	N	N	4	1	1	1	~	1	~						

680-117942 Chain of Custody

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ben Bradley	10/14/15	2100	M. Nicholas Otc	10/16/15	09:45
2				680-117942		
3						

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 2 of 6

Project Name: Site Investigation | PO No. | Project No. 085881781G Phase S1

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OPPEST 8141	TAL METALS	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSG701	G7	10.11.15	1740	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG1001	G1	10.11.15	1700	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG901	G9	10.11.15	1710	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD801	D8	10.11.15	1540	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD701	D7	10.11.15	1600	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD1001	D10	10.11.15	1520	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG601	G6	10.11.15	1750	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSF1001	F10	10.11.15	1630	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG801	G8	10.11.15	1720	SO	N	N	4	1	1	1	~	~	1	~					
	AOPCC901	C9	10.11.15	1445	SO	FD	N	4	1	1	1	~	~	1	~					
	AOPSC901	C9	10.11.15	1445	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSE401	E4	10.10.15	1700	SO	N	N	4	1	1	1	~	~	1	~					

***Field* Comments:** 2.6/3.0 3.0/3.4

***Lab* Comments:** 3.6/4.0 3.0/4.4 3.0/2.4 2.8/3.2

Relinquished by (signature)	Date	Time
1 Ben Bradley	10/14/15	
2		
3		

Received by (signature)	Date	Time
1 [illegible]	10/16/15	09:45
2 680-117942		
3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No ~~✓~~ 4°C ID 10/16/15

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 3 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST8141	METALS, TAL	GRO	PCBS/PESTICIDES	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSB701	B7	10-11-15	1100	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSD901	D9	10-11-15	1200	SO	N	N	12	3	3	3	↓	↓	3	↓	↓			X	
	AOPSA601	A6	10-11-15	1045	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSB501	B5	10-11-15	1015	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSM601	M6	10/12/15	1145	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM801	M8	10/12/15	1125	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPCM801	M8	10/12/15	1125	SO	FD	N	4	1	1	1	←	←	1	→	→				
	AOPSM701	M7	10/12/15	1150	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL801	L8	10/12/15	1120	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSJ1001	J10	10/12/15	1020	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM1001	M10	10/12/15	1040	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL901	L9	10/12/15	1100	SO	N	N	4	1	1	1	←	←	1	→	→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ken Brantley	10/14/15	2100	1 M. Wilkinson	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 4 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OP Pest 8141 10/16/15	Metals, TAL	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	Herbicides			Extra Volume for MS/MSD	HOLD
	AOP SK1001	K10	10/12/15	1000	SO	N	N	4	1	1	1	←		1		→				
	AOP CK1001	K10	10/12/15	1000	SO	FD	N	4	1	1	1	←		1		→				
	AOP SK901	K9	10/12/15	1005	SO	N	N	4	1	1	1	←		1		→				
	AOP SM901	M9	10/12/15	1105	SO	N	N	4	1	1	1	←		1		→				
	AOP SL1001	L10	10/12/15	1020	SO	N	N	4	1	1	1	←		1		→				
	AOP SK101	K1	10/12/15	1428	SO	N	N	4	1	1	1	←		1		→				
	AOP SM301	M3	10/12/15	1400	SO	N	N	12	3	3	3	←		3		→			X	
	AOP SM201	M2	10/12/15	1358	SO	N	N	4	1	1	1	←		1		→				
	AOP SL201	L2	10/12/15	1425	SO	N	N	4	1	1	1	←		1		→				
	AOP SN301	N3	10/12/15	1355	SO	N	N	4	1	1	1	←		1		→				
	AOP SM401	M4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				
	AOP SN401	N4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	10/14/15	2100	1 [signature]	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes____ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 5 of 6

Project Name: SITE Investigation | PO No. | Project No: 68888176 Phase SI

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 1DAY PRELIM 14DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OP PEST	METALS, TAL	GRO	PEST/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSM501	M5	10.12.15	1335	SO	N	N	4	1	1	1	←		1	→					
	AOPSE601	E6	10.12.15	1707	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF501	F5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF701	F7	10.12.15	1646	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSH301	H3	10.12.15	1700	SO	N	N	12	3	3	3	←		3	→				X	
	AOPSH401	H4	10.12.5	1715	SO	N	N	4	1	1	1	←		1	→					
	AOPSH501	H5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→					
	AOPCH501	H5	10.12.15	1720	SO	FD	N	4	1	1	1	←		1	→					
	AOPSJ201	J2	10.12.15	1520	SO	N	N	4	1	1	1	←		1	→					
	AOPSK201	K2	10.12.15	1457	SO	N	N	4	1	1	1	←		1	→					
	AOPSK301	K3	10.12.15	1505	SO	N	N	4	1	1	1	←		1	→					

Field **Comments:**
*Sample contains asphalt 2.6/3.0

Lab **Comments:**
3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Sample Shipment and Delivery Details
Number of coolers in shipment:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ben Brantley	10/14/15	2100	michelle hatto	10/16/15	0945
2						
3						

Samples Iced?(check) Yes____ No____
Method of Shipment:
Airbill No: 680-117942
Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water
(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk
(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 6 of 6

Project Name: SITE Investigation | PO No. | Project No. 080881781.16 Phase SI

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. | RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7-DAY PRELIM 14-DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	(3)→	OP PEST	METALS, TAL	GRO	PESTS/PCBs	SVOC, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSK501	K5	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL301	L3	10-12-15	1500	SO	N	N	4		1	1	1	←		1	→					
	AOPCL301	L3	10-12-15	1500	SO	FD	N	4		1	1	1	←		1	→					
	AOPSL401	L4	10-12-15	1520	SO	N	N	4		1	1	1	←		1	→					
	AOPSL501	L5	10-12-15	1608	SO	N	N	4		1	1	1	←		1	→					
	AOPSL601	L6	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL701	L7	10-12-15	1615	SO	N	N	4		1	1	1	←		1	→					
	FB 101415	—	10/14/15	1335	SQ	FB	N	9		1	Ø	3	1	1	1	1	1				
	EB101415	—	10/14/15	1345	SQ	EB	N	9		1	Ø	3	1	1	1	1	1				

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 2.0/3.4 2.8/3.2 3.0/3.4

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	10/14/15	2100	1	10/16/15	09:45
2			2 (680-11794)		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

4.0/C2.5
3.6/C2.1

5.6/C4.1

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407337.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 1 of 5
Company: TestAmerica Laboratories, Inc.				Job #: 680-117942-1
Address: 4101 Shuffel Street NW,	Due Date Requested: 10/23/2015			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO, Cuba / Site Investigation	Project #: 68015292			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

W063

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep	6020A/3050B TAL Standard Metals List	Total Number of containers	Special Instructions/Note:
			Preservation Code							
AOPSE201 (680-117942-1)	10/10/15	18:00 Eastern		Solid			X	X	1	
AOPSF201 (680-117942-2)	10/10/15	17:30 Eastern		Solid			X	X	1	
AOPSD301 (680-117942-3)	10/10/15	18:15 Eastern		Solid			X	X	1	
AOPSE501 (680-117942-5)	10/10/15	16:30 Eastern		Solid			X	X	1	
AOPCF101 (680-117942-6)	10/10/15	17:45 Eastern		Solid			X	X	1	
AOPSF101 (680-117942-8)	10/10/15	17:45 Eastern		Solid			X	X	1	
AOPSD401 (680-117942-10)	10/10/15	15:00 Eastern		Solid			X	X	1	
AOPSC701 (680-117942-11)	10/11/15	11:20 Eastern		Solid			X	X	1	
AOPSG701 (680-117942-13)	10/11/15	17:40 Eastern		Solid			X	X	1	
AOPSG1001 (680-117942-14)	10/11/15	17:00 Eastern		Solid			X	X	1	
AOPSG901 (680-117942-15)	10/11/15	17:10 Eastern		Solid			X	X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/19/15 15:00	TA	Jacquelyn Ferrel	10/20/15 0920	TANC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407337.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 2 of 5
Company: TestAmerica Laboratories, Inc.				Job #: 680-117942-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 10/23/2015			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO, Cuba / Site Investigation	Project #: 68015292			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

WO63

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep	6020A/3050B TAL Standard Metals List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
AOPSD801 (680-117942-16)	10/11/15	15:40 Eastern		Solid			X	X		
AOPSD701 (680-117942-17)	10/11/15	16:00 Eastern		Solid			X	X		
AOPSD1001 (680-117942-18)	10/11/15	15:20 Eastern		Solid			X	X		
AOPSG601 (680-117942-19)	10/11/15	17:50 Eastern		Solid			X	X		
AOPSF1001 (680-117942-20)	10/11/15	16:30 Eastern		Solid			X	X		
AOPSG801 (680-117942-21)	10/11/15	17:20 Eastern		Solid			X	X		
AOPCC901 (680-117942-22)	10/11/15	14:45 Eastern		Solid			X	X		
AOPSC901 (680-117942-23)	10/11/15	14:45 Eastern		Solid			X	X		
AOPSE401 (680-117942-24)	10/10/15	17:00 Eastern		Solid			X	X		
AOPSD901 (680-117942-26)	10/11/15	12:00 Eastern		Solid			X	X		
AOPSD901 (680-117942-26MSD)	10/11/15	12:00 Eastern	MSD	Solid			X	X		

Page 2 of 2

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/14/15 1500		[signature]	10/20/15 0920	STANC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407337.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 3 of 5
Company: TestAmerica Laboratories, Inc.				Job #: 680-117942-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 10/23/2015			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO, Cuba / Site Investigation	Project #: 68015292			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

W063

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep	6020A/3050B TAL Standard Metals List	Total Number of containers
			Preservation Code:						
AOPSA601 (680-117942-27)	10/11/15	10:45 Eastern		Solid			X	X	
AOPSB501 (680-117942-28)	10/11/15	10:15 Eastern		Solid			X	X	
AOPSL801 (680-117942-33)	10/12/15	11:20 Eastern		Solid			X	X	
AOPSL901 (680-117942-36)	10/12/15	11:00 Eastern		Solid			X	X	
AOPSK1001 (680-117942-37)	10/12/15	10:00 Eastern		Solid			X	X	
AOPCK1001 (680-117942-38)	10/12/15	10:00 Eastern		Solid			X	X	
AOPSK901 (680-117942-39)	10/12/15	10:05 Eastern		Solid			X	X	
AOPSK101 (680-117942-42)	10/12/15	14:28 Eastern		Solid			X	X	
AOPSL201 (680-117942-45)	10/12/15	14:25 Eastern		Solid			X	X	
AOPSN301 (680-117942-46)	10/12/15	13:55 Eastern		Solid			X	X	
AOPSM401 (680-117942-47)	10/12/15	13:35 Eastern		Solid			X	X	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10/19/15 15:00	Company: TA	Received by: [signature]	Date/Time: 10/20/15 0920	Company: TANC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407337.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 4 of 5
Company: TestAmerica Laboratories, Inc.				Job #: 680-117942-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 10/23/2015			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO, Cuba / Site Investigation	Project #: 68015292			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

W063

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep	6020A/3050B TAL Standard Metals List	Total Number of containers
			Preservation Code:						
AOPSN401 (680-117942-48)	10/12/15	13:35 Eastern		Solid			X	X	
AOPSE601 (680-117942-50)	10/12/15	17:07 Eastern		Solid			X	X	
AOPSF501 (680-117942-51)	10/12/15	17:20 Eastern		Solid			X	X	
AOPSF701 (680-117942-52)	10/12/15	16:46 Eastern		Solid			X	X	
AOPSH501 (680-117942-55)	10/12/15	17:20 Eastern		Solid			X	X	
AOPCH501 (680-117942-56)	10/12/15	17:20 Eastern		Solid			X	X	
AOPSJ201 (680-117942-57)	10/12/15	15:20 Eastern		Solid			X	X	
AOPSK201 (680-117942-58)	10/12/15	14:57 Eastern		Solid			X	X	
AOPSK301 (680-117942-59)	10/12/15	15:05 Eastern		Solid			X	X	
AOPSK501 (680-117942-60)	10/12/15	15:45 Eastern		Solid			X	X	
AOPSL301 (680-117942-61)	10/12/15	15:00 Eastern		Solid			X	X	

Page 168 of 173

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: michelle	Date/Time: 10/19/15 15:00	Company TA	Received by: Jacquelyn Jewel	Date/Time: 10/20/15 0920	Company TANC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407337.5
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 5 of 5
Company: TestAmerica Laboratories, Inc.				Job #: 680-117942-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 10/23/2015			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO, Cuba / Site Investigation	Project #: 68015292			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

W063

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep	6020A/3050B TAL Standard Metals List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
AOPCL301 (680-117942-62)	10/12/15	15:00 Eastern		Solid			X	X		
AOPSL401 (680-117942-63)	10/12/15	15:20 Eastern		Solid			X	X		
AOPSL501 (680-117942-64)	10/12/15	16:08 Eastern		Solid			X	X		
AOPSL601 (680-117942-65)	10/12/15	15:45 Eastern		Solid			X	X		
AOPSL701 (680-117942-66)	10/12/15	16:15 Eastern		Solid			X	X		

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: [signature]	Date/Time: 10/19/15 1500	Company TA	Received by: [signature]	Date/Time: 10/20/15 0920	Company TAL C	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton Sample Receipt Form/Narrative Login # :
Canton Facility

Client TA Savannah Site Name Cooler unpacked by: A. Jerrel

Cooler Received on 10/20/15 Opened on 10/20/15

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box (Client Cooler) Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +1.0 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

~~IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

☑ See Multiple Cooler Form

IR GUN# 8 (CF -1.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2.	Were custody seals on the outside of the cooler(s)? If Yes Quantity	Yes (No)
	-Were custody seals on the outside of the cooler(s) signed & dated?	Yes No (NA)
	-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
3.	Shippers' packing slip attached to the cooler(s)?	(Yes) No
4.	Did custody papers accompany the sample(s)?	(Yes) No
5.	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6.	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)
7.	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8.	Could all bottle labels be reconciled with the COC?	(Yes) No
9.	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
10.	Sufficient quantity received to perform indicated analyses?	(Yes) No
11.	Were sample(s) at the correct pH upon receipt?	Yes No (NA) pH Strip Lot# HC554612
12.	Were VOAs on the COC?	Yes (No)
13.	Were air bubbles >6 mm in any VOA vials?	Yes No (NA)
14.	Was a trip blank present in the cooler(s)? Trip Blank Lot #	Yes (No)

Contacted PM Date by via Verbal Voice Mail Other

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.

Time preserved: Preservative(s) added/Lot number(s):

TestAmerica Multiple Cooler Receipt Form/Narrative Login #.:

Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	#8	4.0	2.5	ICE
↓	↓	3.6	2.1	↓
		5.6	4.1	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-1
SDG Number: GTM01

Login Number: 117942
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-1
SDG: GTM01

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-15
Illinois	NELAP	5	200004	07-31-16
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-26-16
Kentucky (WW)	State Program	4	98016	12-31-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-15
Nevada	State Program	9	OH-000482008A	07-31-16
New Jersey	NELAP	2	OH001	11-30-15 *
New York	NELAP	2	10975	03-31-16
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-16
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-16
West Virginia DEP	State Program	3	210	12-31-15
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117942-2
TestAmerica Sample Delivery Group: GTM02
Client Project/Site: GTMO, Cuba / Site Investigation
Revision: 1

For:
Earth Toxics, Inc
PO Box 3382
Logan, Utah 84321

Attn: Mike Dryden

Michele R Kersey

Authorized for release by:
11/19/2015 4:37:47 PM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-117942-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO, Cuba / Site Investigation

Report Number: 680-117942-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/16/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.0º C, 3.2º C, 3.4º C, 3.4º C, 4.0º C and 4.4º C.

Note: Report revised 11/19/15 to modify case narrative.

Receipt Exceptions

Sample volumes were received over a 2 day period due to a Federal Express delay, sample volumes were received on Friday 10/16/15 and Saturday 10/17/15.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-21 through 680-117942-41 were analyzed at 6 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 1ml final volume to be achieved.

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/22/2015, 10/24/2015, 11/02/2015 and 11/03/2015 and analyzed on 10/27/2015, 10/28/2015, 11/01/2015 and 11/04/2015.

The method blank for analytical batch 680-407684 and analytical batch 680-408998 contained Bis(2-ethylhexyl) phthalate above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

1,4-Dioxane is an additional analyte to the 8270D_DOD5 list and has no laboratory control sample limits. This compound was slightly low biased in the opening CCV.

One or more surrogates were outside of the DOD defined control limits. The batch containing sample AOPSL1001 (680-117942-41) was re-extracted outside of holding time and both sets of data have been reported.

The following samples were re-prepped outside of holding time due to multiple surrogate failures. Both sets of data have been reported. AOPSG801 (680-117942-21), AOPSB501 (680-117942-28), AOPSM801 (680-117942-30), AOPSM1001 (680-117942-35) and AOPCK1001

Job ID: 680-117942-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-117942-38)

Hexachlorocyclopentadiene exceeded the recovery criteria low for LCS 680-407027/22-A.

Hexachlorocyclopentadiene exceeded the recovery criteria low for the MS of sample AOPSD901MS (680-117942-26) in batch 680-407684.

Hexachlorocyclopentadiene exceeded the recovery criteria low for the MSD of sample AOPSD901MSD (680-117942-26) in batch 680-407684.

o-Terphenyl exceeded the surrogate recovery criteria low for AOPSC901 (680-117942-23).

Due to the nature of semivolatile GC/MS analysis, daily column maintenance is required and can result in retention time shifts. As such, the laboratory has implemented internal standard criteria of +/- 30 seconds, when compared to the mid-point standard of the initial calibration, for all field samples, batch QC items, and continuing calibration verification (CCV) standards.

The initial calibration verification (ICV) result for Benzaldehyde in batch 680-407684 was above the upper control limit. Associated samples did not produce detects as high as the reporting limit, and have been reported as qualified data.

The initial calibration verification (ICV) result for batch 680-408812 was above the upper control limit benzidine and benzaldehide. Sample results were non-detects, and have been reported as qualified data. CCV 680-408812/3

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-21 through 680-117942-41 were analyzed at 6 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 1ml final volume to be achieved.

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/22/2015, 10/24/2015 and 10/29/2015 and analyzed on 10/27/2015, 10/28/2015 and 11/03/2015.

Samples AOPSG801 (680-117942-21)[5X], AOPCC901 (680-117942-22)[5X], AOPSC901 (680-117942-23)[5X], AOPSE401 (680-117942-24)[5X], AOPSB701 (680-117942-25)[5X], AOPSD901 (680-117942-26)[5X], AOPSA601 (680-117942-27)[5X], AOPSB501 (680-117942-28)[5X], AOPSM601 (680-117942-29)[5X], AOPSM801 (680-117942-30)[5X], AOPCM801 (680-117942-31)[5X], AOPSM701 (680-117942-32)[5X], AOPSJ1001 (680-117942-34)[5X], AOPSK1001 (680-117942-37)[5X], AOPCK1001 (680-117942-38)[5X], AOPSK901 (680-117942-39)[5X] and AOPSM901 (680-117942-40)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Surrogate recovery for the following sample was outside control limits: AOPSC901 (680-117942-23). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

Several analytes exceeded the recovery criteria low for the MS and MSD of sample AOPSC901 (680-117942-23) in batch 680-408744.

Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene exceeded the recovery criteria low for the MS of sample AOPSD901MS (680-117942-26) in batch 680-407637.

Job ID: 680-117942-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Benzo[g,h,i]perylene and Indeno[1,2,3-cd]pyrene exceeded the recovery criteria low for the MSD of sample AOPSD901MSD (680-117942-26) in batch 680-407637.

Indeno[1,2,3-cd]pyrene was outside the lower control limits in CCVC 680-407637/34 due the effects of sample matrix on the instrument.

Due to the nature of semivolatile GC/MS analysis, daily column maintenance is required and can result in retention time shifts. As such, the laboratory has implemented internal standard criteria of +/- 30 seconds, when compared to the mid-point standard of the initial calibration, for all field samples, batch QC items, and continuing calibration verification (CCV) standards.

Manual integration was performed on the following samples: AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37) and AOPCK1001 (680-117942-38).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP-MS)

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 10/20/2015 and 10/21/2015 and analyzed on 10/22/2015, 10/23/2015, 10/24/2015, 10/26/2015 and 10/27/2015.

The method blank for analytical batch 240-202768 contained several analytes above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

Several analytes exceeded the recovery criteria low for the MS and MSD of sample AOPSD901 (680-117942-26) in batch 240-203825. Antimony and Barium exceeded the RPD limit.

Samples AOPSG801 (680-117942-21)[10X], AOPSG801 (680-117942-21)[20X], AOPCC901 (680-117942-22)[10X], AOPCC901 (680-117942-22)[20X], AOPSC901 (680-117942-23)[10X], AOPSC901 (680-117942-23)[20X], AOPSE401 (680-117942-24)[10X], AOPSE401 (680-117942-24)[20X], AOPSB701 (680-117942-25)[10X], AOPSB701 (680-117942-25)[20X], AOPSD901 (680-117942-26)[10X], AOPSD901 (680-117942-26)[50X], AOPSA601 (680-117942-27)[10X], AOPSA601 (680-117942-27)[20X], AOPSB501 (680-117942-28)[10X], AOPSB501 (680-117942-28)[50X], AOPSM601 (680-117942-29)[10X], AOPSM601 (680-117942-29)[50X], AOPSM801 (680-117942-30)[10X], AOPCM801 (680-117942-31)[10X], AOPSM701 (680-117942-32)[10X], AOPSL801 (680-117942-33)[10X], AOPSL801 (680-117942-33)[20X], AOPSJ1001 (680-117942-34)[10X], AOPSJ1001 (680-117942-34)[50X], AOPSM1001 (680-117942-35)[10X], AOPSL901 (680-117942-36)[10X], AOPSL901 (680-117942-36)[20X], AOPSK1001 (680-117942-37)[10X], AOPSK1001 (680-117942-37)[100X], AOPCK1001 (680-117942-38)[10X], AOPCK1001 (680-117942-38)[100X], AOPSK901 (680-117942-39)[10X], AOPSK901 (680-117942-39)[50X], AOPSM901 (680-117942-40)[10X], AOPSM901 (680-117942-40)[20X] and AOPSL1001 (680-117942-41)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

MERCURY

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 10/20/2015 and 10/21/2015 and analyzed on 10/22/2015, 10/23/2015 and 10/26/2015.

Hot Block take out temperature for the following samples was below the recommended 90-95C range. Analysis of the QC show acceptable recoveries and therefore suggest sample results were unaffected. AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSD901 (680-117942-26), AOPSD901 (680-117942-26[MS]), AOPSD901

Job ID: 680-117942-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-117942-26[MSD]), AOPSB701 (680-117942-25), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41).

Sample AOPSM901 (680-117942-40)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 10/17/2015 and 10/20/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117942-21	AOPSG801	Solid	10/11/15 17:20	10/17/15 09:50
680-117942-22	AOPCC901	Solid	10/11/15 14:45	10/17/15 09:50
680-117942-23	AOPSC901	Solid	10/11/15 14:45	10/17/15 09:55
680-117942-24	AOPSE401	Solid	10/10/15 17:00	10/17/15 09:50
680-117942-25	AOPSB701	Solid	10/11/15 11:00	10/16/15 09:45
680-117942-26	AOPSD901	Solid	10/11/15 12:00	10/17/15 09:50
680-117942-27	AOPSA601	Solid	10/11/15 10:45	10/17/15 09:50
680-117942-28	AOPSB501	Solid	10/11/15 10:15	10/17/15 09:50
680-117942-29	AOPSM601	Solid	10/12/15 11:45	10/16/15 09:45
680-117942-30	AOPSM801	Solid	10/12/15 11:25	10/16/15 09:45
680-117942-31	AOPCM801	Solid	10/12/15 11:25	10/16/15 09:45
680-117942-32	AOPSM701	Solid	10/12/15 11:50	10/16/15 09:45
680-117942-33	AOPSL801	Solid	10/12/15 11:20	10/17/15 09:55
680-117942-34	AOPSJ1001	Solid	10/12/15 10:20	10/16/15 09:45
680-117942-35	AOPSM1001	Solid	10/12/15 10:40	10/16/15 09:45
680-117942-36	AOPSL901	Solid	10/12/15 11:00	10/17/15 09:50
680-117942-37	AOPSK1001	Solid	10/12/15 10:00	10/17/15 09:50
680-117942-38	AOPCK1001	Solid	10/12/15 10:00	10/17/15 09:50
680-117942-39	AOPSK901	Solid	10/12/15 10:05	10/17/15 09:45
680-117942-40	AOPSM901	Solid	10/12/15 11:05	10/16/15 09:45
680-117942-41	AOPSL1001	Solid	10/12/15 10:20	10/16/15 09:45

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D DOD	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
Q	One or more quality control criteria failed.
H	Sample was prepped or analyzed beyond the specified holding time
M	Manual integrated compound.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Metals

Qualifier	Qualifier Description
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix sp ke concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AOPSG801

Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21

Matrix: Solid
Percent Solids: 81.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Acenaphthylene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Anthracene	**0.10**	**J D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Benzo[a]anthracene	**0.58**	**D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Benzo[a]pyrene	**0.69**	**D**	0.20	0.10	0.036	mg/Kg	☼	10/27/15 16:56	5
Benzo[b]fluoranthene	**1.1**	**D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Benzo[g,h,i]perylene	**0.37**	**D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Benzo[k]fluoranthene	**0.48**	**D**	0.20	0.10	0.061	mg/Kg	☼	10/27/15 16:56	5
Chrysene	**0.74**	**D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Fluoranthene	**1.3**	**D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Fluorene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Indeno[1,2,3-cd]pyrene	**0.30**	**D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Dibenz(a,h)anthracene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Naphthalene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
Phenanthrene	**0.64**	**D**	0.20	0.10	0.073	mg/Kg	☼	10/27/15 16:56	5
Pyrene	**0.80**	**D**	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5
1-Methylnaphthalene	0.10	U	0.20	0.10	0.094	mg/Kg	☼	10/27/15 16:56	5
2-Methylnaphthalene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 16:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*49*		*36 - 131*	*10/22/15 11:40*	*10/27/15 16:56*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/27/15 22:08	1
Atrazine	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/27/15 22:08	1
Benzaldehyde	1.0	U Q	2.0	1.0	0.35	mg/Kg	☼	10/27/15 22:08	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/27/15 22:08	1
Bis(2-chloroethoxy)methane	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/27/15 22:08	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/27/15 22:08	1
bis (2-chloroisopropyl) ether	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/27/15 22:08	1
Bis(2-ethylhexyl) phthalate	**0.46**	**J**	2.0	0.41	0.18	mg/Kg	☼	10/27/15 22:08	1
4-Bromophenyl phenyl ether	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/27/15 22:08	1
Butyl benzyl phthalate	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/27/15 22:08	1
Caprolactam	1.0	U	2.0	1.0	0.40	mg/Kg	☼	10/27/15 22:08	1
Carbazole	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/27/15 22:08	1
4-Chloroaniline	1.0	U	4.0	1.0	0.31	mg/Kg	☼	10/27/15 22:08	1
4-Chloro-3-methylphenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/27/15 22:08	1
2-Chloronaphthalene	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/27/15 22:08	1
2-Chlorophenol	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/27/15 22:08	1
4-Chlorophenyl phenyl ether	0.41	U	2.0	0.41	0.27	mg/Kg	☼	10/27/15 22:08	1
Dibenzofuran	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/27/15 22:08	1
3,3'-Dichlorobenzidine	0.41	U	4.0	0.41	0.17	mg/Kg	☼	10/27/15 22:08	1
2,4-Dichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/27/15 22:08	1
Diethyl phthalate	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/27/15 22:08	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/27/15 22:08	1
Dimethyl phthalate	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/27/15 22:08	1
Di-n-butyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/27/15 22:08	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/27/15 22:08	1
2,4-Dinitrophenol	7.9	U	10	7.9	5.0	mg/Kg	☼	10/27/15 22:08	1

Client Sample ID: AOPSG801
Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21
Matrix: Solid
Percent Solids: 81.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.0	U	2.0	1.0	0.30	mg/Kg	☼	10/27/15 22:08	1
2,6-Dinitrotoluene	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/27/15 22:08	1
Di-n-octyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/27/15 22:08	1
1,4-Dioxane	2.0	U	2.0	2.0	0.73	mg/Kg	☼	10/27/15 22:08	1
Hexachlorobenzene	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/27/15 22:08	1
Hexachlorobutadiene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/27/15 22:08	1
Hexachlorocyclopentadiene	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/27/15 22:08	1
Hexachloroethane	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/27/15 22:08	1
Isophorone	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/27/15 22:08	1
2-Methylphenol	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/27/15 22:08	1
3 & 4 Methylphenol	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/27/15 22:08	1
2-Nitroaniline	0.41	U	10	0.41	0.27	mg/Kg	☼	10/27/15 22:08	1
3-Nitroaniline	1.0	U	10	1.0	0.28	mg/Kg	☼	10/27/15 22:08	1
4-Nitroaniline	1.0	U	10	1.0	0.30	mg/Kg	☼	10/27/15 22:08	1
Nitrobenzene	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/27/15 22:08	1
2-Nitrophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/27/15 22:08	1
4-Nitrophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/27/15 22:08	1
N-Nitrosodi-n-propylamine	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/27/15 22:08	1
N-Nitrosodiphenylamine	0.50	U	2.0	0.50	0.20	mg/Kg	☼	10/27/15 22:08	1
Pentachlorophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/27/15 22:08	1
Phenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/27/15 22:08	1
1,2,4,5-Tetrachlorobenzene	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/27/15 22:08	1
2,3,4,6-Tetrachlorophenol	0.41	U	2.0	0.41	0.13	mg/Kg	☼	10/27/15 22:08	1
2,4,5-Trichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/27/15 22:08	1
2,4,6-Trichlorophenol	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/27/15 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*	*Q*	*58 - 130*	*10/22/15 12:12*	*10/27/15 22:08*	*1*
2-Fluorophenol (Surr)	*52*		*40 - 130*	*10/22/15 12:12*	*10/27/15 22:08*	*1*
Nitrobenzene-d5 (Surr)	*53*		*46 - 130*	*10/22/15 12:12*	*10/27/15 22:08*	*1*
Phenol-d5 (Surr)	*55*		*49 - 130*	*10/22/15 12:12*	*10/27/15 22:08*	*1*
Terphenyl-d14 (Surr)	*60*		*60 - 130*	*10/22/15 12:12*	*10/27/15 22:08*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*58 - 130*	*10/22/15 12:12*	*10/27/15 22:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 05:45	1
Atrazine	0.40	U H	2.0	0.40	0.14	mg/Kg	☼	11/04/15 05:45	1
Benzaldehyde	1.0	U H	2.0	1.0	0.34	mg/Kg	☼	11/04/15 05:45	1
1,1'-Biphenyl	10	U H	10	10	10	mg/Kg	☼	11/04/15 05:45	1
Bis(2-chloroethoxy)methane	0.40	U H	2.0	0.40	0.23	mg/Kg	☼	11/04/15 05:45	1
Bis(2-chloroethyl)ether	1.0	U H	2.0	1.0	0.27	mg/Kg	☼	11/04/15 05:45	1
bis (2-chloroisopropyl) ether	0.40	U H	2.0	0.40	0.18	mg/Kg	☼	11/04/15 05:45	1
Bis(2-ethylhexyl) phthalate	**0.38**	**J H**	2.0	0.40	0.17	mg/Kg	☼	11/04/15 05:45	1
4-Bromophenyl phenyl ether	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 05:45	1
Butyl benzyl phthalate	0.40	U H	2.0	0.40	0.15	mg/Kg	☼	11/04/15 05:45	1
Caprolactam	1.0	U H	2.0	1.0	0.39	mg/Kg	☼	11/04/15 05:45	1
Carbazole	**0.21**	**J H**	2.0	0.40	0.18	mg/Kg	☼	11/04/15 05:45	1
4-Chloroaniline	1.0	U H	3.9	1.0	0.31	mg/Kg	☼	11/04/15 05:45	1
4-Chloro-3-methylphenol	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 05:45	1

Client Sample ID: AOPSG801

Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21

Matrix: Solid
Percent Solids: 81.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 05:45	1
2-Chlorophenol	0.40	U H	2.0	0.40	0.24	mg/Kg	☼	11/04/15 05:45	1
4-Chlorophenyl phenyl ether	0.40	U H	2.0	0.40	0.26	mg/Kg	☼	11/04/15 05:45	1
Dibenzofuran	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 05:45	1
3,3'-Dichlorobenzidine	0.40	U H	3.9	0.40	0.17	mg/Kg	☼	11/04/15 05:45	1
2,4-Dichlorophenol	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 05:45	1
Diethyl phthalate	0.40	U H	2.0	0.40	0.22	mg/Kg	☼	11/04/15 05:45	1
2,4-Dimethylphenol	1.0	U H	2.0	1.0	0.26	mg/Kg	☼	11/04/15 05:45	1
Dimethyl phthalate	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 05:45	1
Di-n-butyl phthalate	0.40	U H	2.0	0.40	0.18	mg/Kg	☼	11/04/15 05:45	1
2-Methyl-4,6-dinitrophenol	2.0	U H	10	2.0	1.0	mg/Kg	☼	11/04/15 05:45	1
2,4-Dinitrophenol	7.7	U H	10	7.7	4.9	mg/Kg	☼	11/04/15 05:45	1
2,4-Dinitrotoluene	1.0	U H	2.0	1.0	0.29	mg/Kg	☼	11/04/15 05:45	1
2,6-Dinitrotoluene	0.40	U H	2.0	0.40	0.25	mg/Kg	☼	11/04/15 05:45	1
Di-n-octyl phthalate	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 05:45	1
1,4-Dioxane	2.0	U H	2.0	2.0	0.71	mg/Kg	☼	11/04/15 05:45	1
Hexachlorobenzene	0.40	U H	2.0	0.40	0.23	mg/Kg	☼	11/04/15 05:45	1
Hexachlorobutadiene	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 05:45	1
Hexachlorocyclopentadiene	0.40	U H	2.0	0.40	0.24	mg/Kg	☼	11/04/15 05:45	1
Hexachloroethane	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 05:45	1
Isophorone	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 05:45	1
2-Methylphenol	0.40	U H	2.0	0.40	0.16	mg/Kg	☼	11/04/15 05:45	1
3 & 4 Methylphenol	0.40	U H	2.0	0.40	0.26	mg/Kg	☼	11/04/15 05:45	1
2-Nitroaniline	0.40	U H	10	0.40	0.27	mg/Kg	☼	11/04/15 05:45	1
3-Nitroaniline	1.0	U H	10	1.0	0.27	mg/Kg	☼	11/04/15 05:45	1
4-Nitroaniline	1.0	U H	10	1.0	0.29	mg/Kg	☼	11/04/15 05:45	1
Nitrobenzene	0.40	U H	2.0	0.40	0.15	mg/Kg	☼	11/04/15 05:45	1
2-Nitrophenol	0.40	U H	2.0	0.40	0.24	mg/Kg	☼	11/04/15 05:45	1
4-Nitrophenol	4.0	U H	10	4.0	2.0	mg/Kg	☼	11/04/15 05:45	1
N-Nitrosodi-n-propylamine	0.40	U H	2.0	0.40	0.19	mg/Kg	☼	11/04/15 05:45	1
N-Nitrosodiphenylamine	0.49	U H	2.0	0.49	0.20	mg/Kg	☼	11/04/15 05:45	1
Pentachlorophenol	4.0	U H	10	4.0	2.0	mg/Kg	☼	11/04/15 05:45	1
Phenol	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 05:45	1
1,2,4,5-Tetrachlorobenzene	0.40	U H	2.0	0.40	0.18	mg/Kg	☼	11/04/15 05:45	1
2,3,4,6-Tetrachlorophenol	0.40	U H	2.0	0.40	0.13	mg/Kg	☼	11/04/15 05:45	1
2,4,5-Trichlorophenol	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 05:45	1
2,4,6-Trichlorophenol	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*58 - 130*	*11/02/15 11:31*	*11/04/15 05:45*	*1*
2-Fluorophenol (Surr)	*52*		*40 - 130*	*11/02/15 11:31*	*11/04/15 05:45*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*11/02/15 11:31*	*11/04/15 05:45*	*1*
Phenol-d5 (Surr)	*57*		*49 - 130*	*11/02/15 11:31*	*11/04/15 05:45*	*1*
Terphenyl-d14 (Surr)	*75*		*60 - 130*	*11/02/15 11:31*	*11/04/15 05:45*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*58 - 130*	*11/02/15 11:31*	*11/04/15 05:45*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**12000**	**D**	110	22	3.4	mg/Kg	☼	10/23/15 14:32	10
Antimony	**0.30**	**J D**	2.2	0.82	0.077	mg/Kg	☼	10/23/15 14:32	10

Client Sample ID: AOPSG801

Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21

Matrix: Solid
Percent Solids: 81.5

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.4	J D	5.5	0.82	0.14	mg/Kg	☼	10/23/15 14:32	10
Barium	37	D	5.5	1.6	1.2	mg/Kg	☼	10/23/15 14:32	10
Beryllium	0.16	J D	1.1	0.55	0.060	mg/Kg	☼	10/23/15 14:32	10
Cadmium	1.1	J D	2.2	0.055	0.020	mg/Kg	☼	10/23/15 14:32	10
Calcium	96000	D	4400	1100	240	mg/Kg	☼	10/22/15 17:31	20
Chromium	280	D	5.5	2.5	0.33	mg/Kg	☼	10/23/15 14:32	10
Cobalt	27	D	1.1	0.082	0.0093	mg/Kg	☼	10/23/15 14:32	10
Copper	30	D	4.4	1.6	0.53	mg/Kg	☼	10/23/15 14:32	10
Iron	26000	D	550	160	18	mg/Kg	☼	10/23/15 14:32	10
Lead	130	D	3.3	1.1	0.25	mg/Kg	☼	10/23/15 14:32	10
Magnesium	42000	D	1100	140	22	mg/Kg	☼	10/23/15 14:32	10
Manganese	450	D	5.5	2.2	0.66	mg/Kg	☼	10/23/15 14:32	10
Nickel	560	D	5.5	1.4	0.21	mg/Kg	☼	10/23/15 14:32	10
Potassium	1200	D	1100	55	27	mg/Kg	☼	10/23/15 14:32	10
Selenium	0.42	J D	5.5	0.33	0.22	mg/Kg	☼	10/23/15 14:32	10
Silver	0.069	J D	1.1	0.27	0.0077	mg/Kg	☼	10/23/15 14:32	10
Sodium	290	J D	1100	220	48	mg/Kg	☼	10/23/15 14:32	10
Thallium	0.82	U	2.2	0.82	0.10	mg/Kg	☼	10/23/15 14:32	10
V	50	D	5.5	0.55	0.20	mg/Kg	☼	10/23/15 14:32	10
Zinc	140	D	44	11	2.7	mg/Kg	☼	10/23/15 14:32	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.035	J	0.14	0.047	0.020	mg/Kg	☼	10/26/15 17:04	1

Client Sample ID: AOPCC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22

Matrix: Solid
Percent Solids: 81.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Acenaphthylene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Anthracene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Benzo[a]anthracene	0.31	D	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Benzo[a]pyrene	0.29	D	0.20	0.10	0.036	mg/Kg	☼	10/27/15 17:20	5
Benzo[b]fluoranthene	0.52	D	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Benzo[g,h,i]perylene	0.22	D	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Benzo[k]fluoranthene	0.14	J D	0.20	0.10	0.061	mg/Kg	☼	10/27/15 17:20	5
Chrysene	0.37	D	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Fluoranthene	0.73	D	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Fluorene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Indeno[1,2,3-cd]pyrene	0.11	J D	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Dibenz(a,h)anthracene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Naphthalene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
Phenanthrene	0.42	D	0.20	0.10	0.073	mg/Kg	☼	10/27/15 17:20	5
Pyrene	0.44	D	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5
1-Methylnaphthalene	0.10	U	0.20	0.10	0.094	mg/Kg	☼	10/27/15 17:20	5
2-Methylnaphthalene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 17:20	5

Client Sample ID: AOPCC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22

Matrix: Solid
Percent Solids: 81.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	51		36 - 131	10/22/15 11:40	10/27/15 17:20	5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 22:32	1
Atrazine	0.40	U	2.0	0.40	0.14	mg/Kg	☼	10/27/15 22:32	1
Benzaldehyde	1.0	U Q	2.0	1.0	0.34	mg/Kg	☼	10/27/15 22:32	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/27/15 22:32	1
Bis(2-chloroethoxy)methane	0.40	U	2.0	0.40	0.23	mg/Kg	☼	10/27/15 22:32	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/27/15 22:32	1
bis (2-chloroisopropyl) ether	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 22:32	1
Bis(2-ethylhexyl) phthalate	**1.1**	**J**	2.0	0.40	0.17	mg/Kg	☼	10/27/15 22:32	1
4-Bromophenyl phenyl ether	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 22:32	1
Butyl benzyl phthalate	0.40	U	2.0	0.40	0.15	mg/Kg	☼	10/27/15 22:32	1
Caprolactam	1.0	U	2.0	1.0	0.39	mg/Kg	☼	10/27/15 22:32	1
Carbazole	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 22:32	1
4-Chloroaniline	1.0	U	3.9	1.0	0.31	mg/Kg	☼	10/27/15 22:32	1
4-Chloro-3-methylphenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 22:32	1
2-Chloronaphthalene	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 22:32	1
2-Chlorophenol	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/27/15 22:32	1
4-Chlorophenyl phenyl ether	0.40	U	2.0	0.40	0.26	mg/Kg	☼	10/27/15 22:32	1
Dibenzofuran	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 22:32	1
3,3'-Dichlorobenzidine	0.40	U	3.9	0.40	0.17	mg/Kg	☼	10/27/15 22:32	1
2,4-Dichlorophenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 22:32	1
Diethyl phthalate	0.40	U	2.0	0.40	0.22	mg/Kg	☼	10/27/15 22:32	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.26	mg/Kg	☼	10/27/15 22:32	1
Dimethyl phthalate	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 22:32	1
Di-n-butyl phthalate	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 22:32	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/27/15 22:32	1
2,4-Dinitrophenol	7.7	U	10	7.7	4.9	mg/Kg	☼	10/27/15 22:32	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	0.29	mg/Kg	☼	10/27/15 22:32	1
2,6-Dinitrotoluene	0.40	U	2.0	0.40	0.25	mg/Kg	☼	10/27/15 22:32	1
Di-n-octyl phthalate	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 22:32	1
1,4-Dioxane	2.0	U	2.0	2.0	0.71	mg/Kg	☼	10/27/15 22:32	1
Hexachlorobenzene	0.40	U	2.0	0.40	0.23	mg/Kg	☼	10/27/15 22:32	1
Hexachlorobutadiene	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 22:32	1
Hexachlorocyclopentadiene	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/27/15 22:32	1
Hexachloroethane	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 22:32	1
Isophorone	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 22:32	1
2-Methylphenol	0.40	U	2.0	0.40	0.16	mg/Kg	☼	10/27/15 22:32	1
3 & 4 Methylphenol	0.40	U	2.0	0.40	0.25	mg/Kg	☼	10/27/15 22:32	1
2-Nitroaniline	0.40	U	10	0.40	0.27	mg/Kg	☼	10/27/15 22:32	1
3-Nitroaniline	1.0	U	10	1.0	0.27	mg/Kg	☼	10/27/15 22:32	1
4-Nitroaniline	1.0	U	10	1.0	0.29	mg/Kg	☼	10/27/15 22:32	1
Nitrobenzene	0.40	U	2.0	0.40	0.15	mg/Kg	☼	10/27/15 22:32	1
2-Nitrophenol	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/27/15 22:32	1
4-Nitrophenol	4.0	U	10	4.0	2.0	mg/Kg	☼	10/27/15 22:32	1
N-Nitrosodi-n-propylamine	0.40	U	2.0	0.40	0.19	mg/Kg	☼	10/27/15 22:32	1
N-Nitrosodiphenylamine	0.49	U	2.0	0.49	0.20	mg/Kg	☼	10/27/15 22:32	1
Pentachlorophenol	4.0	U	10	4.0	2.0	mg/Kg	☼	10/27/15 22:32	1

Client Sample ID: AOPCC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22

Matrix: Solid
Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 22:32	1
1,2,4,5-Tetrachlorobenzene	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 22:32	1
2,3,4,6-Tetrachlorophenol	0.40	U	2.0	0.40	0.13	mg/Kg	☼	10/27/15 22:32	1
2,4,5-Trichlorophenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 22:32	1
2,4,6-Trichlorophenol	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*58 - 130*	*10/22/15 12:12*	*10/27/15 22:32*	*1*
2-Fluorophenol (Surr)	*55*		*40 - 130*	*10/22/15 12:12*	*10/27/15 22:32*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 130*	*10/22/15 12:12*	*10/27/15 22:32*	*1*
Phenol-d5 (Surr)	*56*		*49 - 130*	*10/22/15 12:12*	*10/27/15 22:32*	*1*
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/22/15 12:12*	*10/27/15 22:32*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*10/22/15 12:12*	*10/27/15 22:32*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**8000**	**D**	100	20	3.1	mg/Kg	☼	10/23/15 14:36	10
Antimony	**0.52**	**J D**	2.0	0.76	0.071	mg/Kg	☼	10/23/15 14:36	10
Arsenic	**1.5**	**J D**	5.0	0.76	0.13	mg/Kg	☼	10/23/15 14:36	10
Barium	**38**	**D**	5.0	1.5	1.1	mg/Kg	☼	10/23/15 14:36	10
Beryllium	**0.10**	**J D**	1.0	0.50	0.055	mg/Kg	☼	10/23/15 14:36	10
Cadmium	**2.0**	**D**	2.0	0.050	0.019	mg/Kg	☼	10/23/15 14:36	10
Calcium	**60000**	**D**	4000	1000	220	mg/Kg	☼	10/22/15 17:35	20
Chromium	**130**	**D**	5.0	2.3	0.30	mg/Kg	☼	10/23/15 14:36	10
Cobalt	**15**	**D**	1.0	0.076	0.0086	mg/Kg	☼	10/23/15 14:36	10
Copper	**37**	**D**	4.0	1.5	0.49	mg/Kg	☼	10/23/15 14:36	10
Iron	**15000**	**D**	500	150	16	mg/Kg	☼	10/23/15 14:36	10
Lead	**72**	**D**	3.0	1.0	0.23	mg/Kg	☼	10/23/15 14:36	10
Magnesium	**27000**	**D**	1000	130	20	mg/Kg	☼	10/23/15 14:36	10
Manganese	**310**	**D**	5.0	2.0	0.60	mg/Kg	☼	10/23/15 14:36	10
Nickel	**270**	**D**	5.0	1.3	0.20	mg/Kg	☼	10/23/15 14:36	10
Potassium	**620**	**J D**	1000	50	25	mg/Kg	☼	10/23/15 14:36	10
Selenium	**0.39**	**J D**	5.0	0.30	0.20	mg/Kg	☼	10/23/15 14:36	10
Silver	**0.044**	**J D**	1.0	0.25	0.0071	mg/Kg	☼	10/23/15 14:36	10
Sodium	**280**	**J D**	1000	200	44	mg/Kg	☼	10/23/15 14:36	10
Thallium	0.76	U	2.0	0.76	0.096	mg/Kg	☼	10/23/15 14:36	10
V	**33**	**D**	5.0	0.50	0.19	mg/Kg	☼	10/23/15 14:36	10
Zinc	**130**	**D**	40	10	2.5	mg/Kg	☼	10/23/15 14:36	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.039	U	0.12	0.039	0.017	mg/Kg	☼	10/26/15 17:06	1

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid
Percent Solids: 85.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid
Percent Solids: 85.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthylene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Anthracene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Benzo[a]anthracene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Benzo[a]pyrene	**0.056**	**J D**	0.20	0.098	0.036	mg/Kg	☼	10/27/15 17:44	5
Benzo[b]fluoranthene	0.20	U M	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Benzo[g,h,i]perylene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Benzo[k]fluoranthene	0.098	U M	0.20	0.098	0.059	mg/Kg	☼	10/27/15 17:44	5
Chrysene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Fluoranthene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Fluorene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Dibenz(a,h)anthracene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Naphthalene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
Phenanthrene	0.098	U	0.20	0.098	0.071	mg/Kg	☼	10/27/15 17:44	5
Pyrene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5
1-Methylnaphthalene	0.098	U	0.20	0.098	0.092	mg/Kg	☼	10/27/15 17:44	5
2-Methylnaphthalene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/27/15 17:44	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*7*	*Q*	*36 - 131*	*10/22/15 11:40*	*10/27/15 17:44*	*5*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	U H Q	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Acenaphthylene	0.20	U H Q	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Anthracene	0.20	U H Q J	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Benzo[a]anthracene	0.20	U H Q	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Benzo[a]pyrene	**0.098**	**D H Q J**	0.20	0.097	0.035	mg/Kg	☼	11/03/15 16:39	5
Benzo[b]fluoranthene	**0.14**	**J D H Q**	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Benzo[g,h,i]perylene	**0.15**	**D H Q J**	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Benzo[k]fluoranthene	0.097	U H Q J	0.20	0.097	0.059	mg/Kg	☼	11/03/15 16:39	5
Chrysene	**0.11**	**D H Q J**	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Fluoranthene	**0.13**	**D H Q J**	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Fluorene	0.20	U H Q	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Indeno[1,2,3-cd]pyrene	0.20	U H Q J	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Dibenz(a,h)anthracene	0.20	U H Q J	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Naphthalene	0.20	U H	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
Phenanthrene	0.097	U H Q J	0.20	0.097	0.071	mg/Kg	☼	11/03/15 16:39	5
Pyrene	0.20	U H Q J	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5
1-Methylnaphthalene	0.097	U H	0.20	0.097	0.091	mg/Kg	☼	11/03/15 16:39	5
2-Methylnaphthalene	0.20	U H	0.20	0.20	0.097	mg/Kg	☼	11/03/15 16:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*44*	*Q*	*36 - 131*	*10/29/15 12:14*	*11/03/15 16:39*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 22:56	1
Atrazine	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 22:56	1
Benzaldehyde	0.99	U Q	1.9	0.99	0.34	mg/Kg	☼	10/27/15 22:56	1

Client Sample ID: AOPSC901
Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	9.9	U	9.9	9.9	9.9	mg/Kg	☼	10/27/15 22:56	1
Bis(2-chloroethoxy)methane	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 22:56	1
Bis(2-chloroethyl)ether	0.99	U	1.9	0.99	0.26	mg/Kg	☼	10/27/15 22:56	1
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 22:56	1
Bis(2-ethylhexyl) phthalate	**0.80**	**J**	1.9	0.39	0.17	mg/Kg	☼	10/27/15 22:56	1
4-Bromophenyl phenyl ether	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 22:56	1
Butyl benzyl phthalate	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/27/15 22:56	1
Caprolactam	0.99	U	1.9	0.99	0.38	mg/Kg	☼	10/27/15 22:56	1
Carbazole	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 22:56	1
4-Chloroaniline	0.99	U	3.8	0.99	0.30	mg/Kg	☼	10/27/15 22:56	1
4-Chloro-3-methylphenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 22:56	1
2-Chloronaphthalene	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 22:56	1
2-Chlorophenol	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 22:56	1
4-Chlorophenyl phenyl ether	0.39	U	1.9	0.39	0.26	mg/Kg	☼	10/27/15 22:56	1
Dibenzofuran	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 22:56	1
3,3'-Dichlorobenzidine	0.39	U	3.8	0.39	0.16	mg/Kg	☼	10/27/15 22:56	1
2,4-Dichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 22:56	1
Diethyl phthalate	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 22:56	1
2,4-Dimethylphenol	0.99	U	1.9	0.99	0.26	mg/Kg	☼	10/27/15 22:56	1
Dimethyl phthalate	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 22:56	1
Di-n-butyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 22:56	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.9	1.9	0.99	mg/Kg	☼	10/27/15 22:56	1
2,4-Dinitrophenol	7.5	U	9.9	7.5	4.8	mg/Kg	☼	10/27/15 22:56	1
2,4-Dinitrotoluene	0.99	U	1.9	0.99	0.28	mg/Kg	☼	10/27/15 22:56	1
2,6-Dinitrotoluene	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 22:56	1
Di-n-octyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 22:56	1
1,4-Dioxane	1.9	U	1.9	1.9	0.70	mg/Kg	☼	10/27/15 22:56	1
Hexachlorobenzene	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/27/15 22:56	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/27/15 22:56	1
Hexachlorocyclopentadiene	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 22:56	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 22:56	1
Isophorone	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 22:56	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/27/15 22:56	1
3 & 4 Methylphenol	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/27/15 22:56	1
2-Nitroaniline	0.39	U	9.9	0.39	0.26	mg/Kg	☼	10/27/15 22:56	1
3-Nitroaniline	0.99	U	9.9	0.99	0.27	mg/Kg	☼	10/27/15 22:56	1
4-Nitroaniline	0.99	U	9.9	0.99	0.28	mg/Kg	☼	10/27/15 22:56	1
Nitrobenzene	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/27/15 22:56	1
2-Nitrophenol	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/27/15 22:56	1
4-Nitrophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	10/27/15 22:56	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/27/15 22:56	1
N-Nitrosodiphenylamine	0.48	U	1.9	0.48	0.19	mg/Kg	☼	10/27/15 22:56	1
Pentachlorophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	10/27/15 22:56	1
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 22:56	1
1,2,4,5-Tetrachlorobenzene	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/27/15 22:56	1
2,3,4,6-Tetrachlorophenol	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/27/15 22:56	1
2,4,5-Trichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/27/15 22:56	1
2,4,6-Trichlorophenol	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/27/15 22:56	1

Client Sample ID: AOPSC901

Lab Sample ID: 680-117942-23

Date Collected: 10/11/15 14:45
Matrix: Solid
Date Received: 10/17/15 09:55
Percent Solids: 85.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		58 - 130	10/22/15 12:12	10/27/15 22:56	1
2-Fluorophenol (Surr)	59		40 - 130	10/22/15 12:12	10/27/15 22:56	1
Nitrobenzene-d5 (Surr)	64		46 - 130	10/22/15 12:12	10/27/15 22:56	1
Phenol-d5 (Surr)	67		49 - 130	10/22/15 12:12	10/27/15 22:56	1
Terphenyl-d14 (Surr)	69		60 - 130	10/22/15 12:12	10/27/15 22:56	1
2,4,6-Tribromophenol (Surr)	79		58 - 130	10/22/15 12:12	10/27/15 22:56	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	12000	D	99	20	3.1	mg/Kg	☼	10/23/15 14:39	10
Antimony	1.2	J D	2.0	0.74	0.069	mg/Kg	☼	10/23/15 14:39	10
Arsenic	2.0	J D	5.0	0.74	0.13	mg/Kg	☼	10/23/15 14:39	10
Barium	50	D	5.0	1.5	1.1	mg/Kg	☼	10/23/15 14:39	10
Beryllium	0.18	J D	0.99	0.50	0.055	mg/Kg	☼	10/23/15 14:39	10
Cadmium	3.7	D	2.0	0.050	0.018	mg/Kg	☼	10/23/15 14:39	10
Calcium	91000	D	4000	990	220	mg/Kg	☼	10/22/15 17:38	20
Chromium	150	D	5.0	2.2	0.30	mg/Kg	☼	10/23/15 14:39	10
Cobalt	22	D	0.99	0.074	0.0084	mg/Kg	☼	10/23/15 14:39	10
Copper	54	D	4.0	1.5	0.48	mg/Kg	☼	10/23/15 14:39	10
Iron	22000	D	500	150	16	mg/Kg	☼	10/23/15 14:39	10
Lead	120	D	3.0	0.99	0.22	mg/Kg	☼	10/23/15 14:39	10
Magnesium	36000	D	990	120	20	mg/Kg	☼	10/23/15 14:39	10
Manganese	460	D	5.0	2.0	0.60	mg/Kg	☼	10/23/15 14:39	10
Nickel	360	D	5.0	1.2	0.19	mg/Kg	☼	10/23/15 14:39	10
Potassium	910	J D	990	50	24	mg/Kg	☼	10/23/15 14:39	10
Selenium	0.41	J D	5.0	0.30	0.20	mg/Kg	☼	10/23/15 14:39	10
Silver	0.077	J D	0.99	0.25	0.0069	mg/Kg	☼	10/23/15 14:39	10
Sodium	400	J D	990	200	43	mg/Kg	☼	10/23/15 14:39	10
Thallium	0.74	U	2.0	0.74	0.094	mg/Kg	☼	10/23/15 14:39	10
V	49	D	5.0	0.50	0.18	mg/Kg	☼	10/23/15 14:39	10
Zinc	200	D	40	9.9	2.5	mg/Kg	☼	10/23/15 14:39	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.031	J	0.12	0.041	0.017	mg/Kg	☼	10/26/15 17:08	1

Client Sample ID: AOPSE401

Lab Sample ID: 680-117942-24

Date Collected: 10/10/15 17:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Acenaphthylene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Anthracene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Benzo[a]anthracene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Benzo[a]pyrene	0.10	U	0.20	0.10	0.036	mg/Kg	☼	10/27/15 18:08	5
Benzo[b]fluoranthene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Benzo[g,h,i]perylene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Benzo[k]fluoranthene	0.10	U	0.20	0.10	0.061	mg/Kg	☼	10/27/15 18:08	5
Chrysene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5

Client Sample ID: AOPSE401
Date Collected: 10/10/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-24
Matrix: Solid
Percent Solids: 81.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fluoranthene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Fluorene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Dibenz(a,h)anthracene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Naphthalene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
Phenanthrene	0.10	U	0.20	0.10	0.073	mg/Kg	☼	10/27/15 18:08	5
Pyrene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5
1-Methylnaphthalene	0.10	U	0.20	0.10	0.094	mg/Kg	☼	10/27/15 18:08	5
2-Methylnaphthalene	0.20	U	0.20	0.20	0.10	mg/Kg	☼	10/27/15 18:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*36 - 131*	*10/22/15 11:40*	*10/27/15 18:08*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 23:20	1
Atrazine	0.40	U	2.0	0.40	0.14	mg/Kg	☼	10/27/15 23:20	1
Benzaldehyde	1.0	U Q	2.0	1.0	0.35	mg/Kg	☼	10/27/15 23:20	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/27/15 23:20	1
Bis(2-chloroethoxy)methane	0.40	U	2.0	0.40	0.23	mg/Kg	☼	10/27/15 23:20	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/27/15 23:20	1
bis (2-chloroisopropyl) ether	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 23:20	1
Bis(2-ethylhexyl) phthalate	**0.40**	**J**	2.0	0.40	0.17	mg/Kg	☼	10/27/15 23:20	1
4-Bromophenyl phenyl ether	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 23:20	1
Butyl benzyl phthalate	0.40	U	2.0	0.40	0.16	mg/Kg	☼	10/27/15 23:20	1
Caprolactam	1.0	U	2.0	1.0	0.39	mg/Kg	☼	10/27/15 23:20	1
Carbazole	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 23:20	1
4-Chloroaniline	1.0	U	3.9	1.0	0.31	mg/Kg	☼	10/27/15 23:20	1
4-Chloro-3-methylphenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 23:20	1
2-Chloronaphthalene	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 23:20	1
2-Chlorophenol	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/27/15 23:20	1
4-Chlorophenyl phenyl ether	0.40	U	2.0	0.40	0.26	mg/Kg	☼	10/27/15 23:20	1
Dibenzofuran	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 23:20	1
3,3'-Dichlorobenzidine	0.40	U	3.9	0.40	0.17	mg/Kg	☼	10/27/15 23:20	1
2,4-Dichlorophenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 23:20	1
Diethyl phthalate	0.40	U	2.0	0.40	0.22	mg/Kg	☼	10/27/15 23:20	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.26	mg/Kg	☼	10/27/15 23:20	1
Dimethyl phthalate	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 23:20	1
Di-n-butyl phthalate	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 23:20	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/27/15 23:20	1
2,4-Dinitrophenol	7.8	U	10	7.8	5.0	mg/Kg	☼	10/27/15 23:20	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	0.29	mg/Kg	☼	10/27/15 23:20	1
2,6-Dinitrotoluene	0.40	U	2.0	0.40	0.25	mg/Kg	☼	10/27/15 23:20	1
Di-n-octyl phthalate	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 23:20	1
1,4-Dioxane	2.0	U	2.0	2.0	0.72	mg/Kg	☼	10/27/15 23:20	1
Hexachlorobenzene	0.40	U	2.0	0.40	0.23	mg/Kg	☼	10/27/15 23:20	1
Hexachlorobutadiene	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 23:20	1
Hexachlorocyclopentadiene	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/27/15 23:20	1
Hexachloroethane	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 23:20	1
Isophorone	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 23:20	1

Client Sample ID: AOPSE401

Date Collected: 10/10/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-24

Matrix: Solid
Percent Solids: 81.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Methylphenol	0.40	U	2.0	0.40	0.16	mg/Kg	☼	10/27/15 23:20	1
3 & 4 Methylphenol	0.40	U	2.0	0.40	0.26	mg/Kg	☼	10/27/15 23:20	1
2-Nitroaniline	0.40	U	10	0.40	0.27	mg/Kg	☼	10/27/15 23:20	1
3-Nitroaniline	1.0	U	10	1.0	0.27	mg/Kg	☼	10/27/15 23:20	1
4-Nitroaniline	1.0	U	10	1.0	0.29	mg/Kg	☼	10/27/15 23:20	1
Nitrobenzene	0.40	U	2.0	0.40	0.16	mg/Kg	☼	10/27/15 23:20	1
2-Nitrophenol	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/27/15 23:20	1
4-Nitrophenol	4.0	U	10	4.0	2.0	mg/Kg	☼	10/27/15 23:20	1
N-Nitrosodi-n-propylamine	0.40	U	2.0	0.40	0.19	mg/Kg	☼	10/27/15 23:20	1
N-Nitrosodiphenylamine	0.50	U	2.0	0.50	0.20	mg/Kg	☼	10/27/15 23:20	1
Pentachlorophenol	4.0	U	10	4.0	2.0	mg/Kg	☼	10/27/15 23:20	1
Phenol	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/27/15 23:20	1
1,2,4,5-Tetrachlorobenzene	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/27/15 23:20	1
2,3,4,6-Tetrachlorophenol	0.40	U	2.0	0.40	0.13	mg/Kg	☼	10/27/15 23:20	1
2,4,5-Trichlorophenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/27/15 23:20	1
2,4,6-Trichlorophenol	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/27/15 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*58 - 130*	*10/22/15 12:12*	*10/27/15 23:20*	*1*
2-Fluorophenol (Surr)	*60*		*40 - 130*	*10/22/15 12:12*	*10/27/15 23:20*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*	*10/22/15 12:12*	*10/27/15 23:20*	*1*
Phenol-d5 (Surr)	*65*		*49 - 130*	*10/22/15 12:12*	*10/27/15 23:20*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*10/22/15 12:12*	*10/27/15 23:20*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*58 - 130*	*10/22/15 12:12*	*10/27/15 23:20*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**21000**	**D**	120	24	3.7	mg/Kg	☼	10/27/15 12:22	10
Antimony	**0.14**	**J D**	2.4	0.89	0.083	mg/Kg	☼	10/27/15 12:22	10
Arsenic	**3.0**	**J D**	5.9	0.89	0.15	mg/Kg	☼	10/27/15 12:22	10
Barium	**70**	**D**	5.9	1.8	1.3	mg/Kg	☼	10/27/15 12:22	10
Beryllium	**0.50**	**J D**	1.2	0.59	0.065	mg/Kg	☼	10/27/15 12:22	10
Cadmium	**0.24**	**J D**	2.4	0.059	0.022	mg/Kg	☼	10/27/15 12:22	10
Calcium	**62000**	**D**	4700	1200	260	mg/Kg	☼	10/27/15 15:51	20
Chromium	**110**	**D**	5.9	2.7	0.36	mg/Kg	☼	10/27/15 12:22	10
Cobalt	**20**	**D**	1.2	0.089	0.010	mg/Kg	☼	10/27/15 12:22	10
Copper	**46**	**D**	4.7	1.8	0.57	mg/Kg	☼	10/27/15 12:22	10
Iron	**33000**	**D**	590	180	19	mg/Kg	☼	10/27/15 12:22	10
Lead	**3.7**	**D**	3.6	1.2	0.27	mg/Kg	☼	10/27/15 12:22	10
Magnesium	**28000**	**D**	1200	150	24	mg/Kg	☼	10/27/15 12:22	10
Manganese	**430**	**D**	5.9	2.4	0.71	mg/Kg	☼	10/27/15 12:22	10
Nickel	**190**	**D**	5.9	1.5	0.23	mg/Kg	☼	10/27/15 12:22	10
Potassium	**1700**	**D**	1200	59	29	mg/Kg	☼	10/27/15 12:22	10
Selenium	**0.69**	**J D**	5.9	0.36	0.24	mg/Kg	☼	10/27/15 12:22	10
Silver	**0.039**	**J D**	1.2	0.30	0.0083	mg/Kg	☼	10/27/15 12:22	10
Sodium	**240**	**J D**	1200	240	52	mg/Kg	☼	10/27/15 12:22	10
Thallium	**0.12**	**J D**	2.4	0.89	0.11	mg/Kg	☼	10/27/15 12:22	10
V	**110**	**D**	5.9	0.59	0.22	mg/Kg	☼	10/27/15 12:22	10
Zinc	**56**	**D**	47	12	3.0	mg/Kg	☼	10/27/15 12:22	10

Client Sample ID: AOPSE401

Lab Sample ID: 680-117942-24
Date Collected: 10/10/15 17:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.018**	**J**	0.12	0.039	0.017	mg/Kg	☼	10/23/15 16:05	1

Client Sample ID: AOPSB701

Lab Sample ID: 680-117942-25
Date Collected: 10/11/15 11:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 90.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Acenaphthylene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Anthracene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Benzo[a]anthracene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Benzo[a]pyrene	0.093	U	0.19	0.093	0.034	mg/Kg	☼	10/27/15 18:33	5
Benzo[b]fluoranthene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Benzo[g,h,i]perylene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Benzo[k]fluoranthene	0.093	U	0.19	0.093	0.056	mg/Kg	☼	10/27/15 18:33	5
Chrysene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Fluoranthene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Fluorene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Dibenz(a,h)anthracene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Naphthalene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
Phenanthrene	0.093	U	0.19	0.093	0.067	mg/Kg	☼	10/27/15 18:33	5
Pyrene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5
1-Methylnaphthalene	0.093	U	0.19	0.093	0.087	mg/Kg	☼	10/27/15 18:33	5
2-Methylnaphthalene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 18:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*44*		*36 - 131*	*10/22/15 11:40*	*10/27/15 18:33*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/27/15 23:44	1
Atrazine	0.34	U	1.7	0.34	0.12	mg/Kg	☼	10/27/15 23:44	1
Benzaldehyde	0.87	U Q	1.7	0.87	0.30	mg/Kg	☼	10/27/15 23:44	1
1,1'-Biphenyl	8.7	U	8.7	8.7	8.7	mg/Kg	☼	10/27/15 23:44	1
Bis(2-chloroethoxy)methane	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/27/15 23:44	1
Bis(2-chloroethyl)ether	0.87	U	1.7	0.87	0.23	mg/Kg	☼	10/27/15 23:44	1
bis (2-chloroisopropyl) ether	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/27/15 23:44	1
Bis(2-ethylhexyl) phthalate	**0.33**	**J**	1.7	0.34	0.15	mg/Kg	☼	10/27/15 23:44	1
4-Bromophenyl phenyl ether	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/27/15 23:44	1
Butyl benzyl phthalate	0.34	U	1.7	0.34	0.13	mg/Kg	☼	10/27/15 23:44	1
Caprolactam	0.87	U	1.7	0.87	0.34	mg/Kg	☼	10/27/15 23:44	1
Carbazole	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/27/15 23:44	1
4-Chloroaniline	0.87	U	3.4	0.87	0.27	mg/Kg	☼	10/27/15 23:44	1
4-Chloro-3-methylphenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/27/15 23:44	1
2-Chloronaphthalene	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/27/15 23:44	1
2-Chlorophenol	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/27/15 23:44	1
4-Chlorophenyl phenyl ether	0.34	U	1.7	0.34	0.22	mg/Kg	☼	10/27/15 23:44	1
Dibenzofuran	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/27/15 23:44	1

Client Sample ID: AOPSB701

Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25

Matrix: Solid
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.34	U	3.4	0.34	0.14	mg/Kg	☼	10/27/15 23:44	1
2,4-Dichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/27/15 23:44	1
Diethyl phthalate	0.34	U	1.7	0.34	0.19	mg/Kg	☼	10/27/15 23:44	1
2,4-Dimethylphenol	0.87	U	1.7	0.87	0.22	mg/Kg	☼	10/27/15 23:44	1
Dimethyl phthalate	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/27/15 23:44	1
Di-n-butyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/27/15 23:44	1
2-Methyl-4,6-dinitrophenol	1.7	U	8.7	1.7	0.87	mg/Kg	☼	10/27/15 23:44	1
2,4-Dinitrophenol	6.6	U	8.7	6.6	4.2	mg/Kg	☼	10/27/15 23:44	1
2,4-Dinitrotoluene	0.87	U	1.7	0.87	0.25	mg/Kg	☼	10/27/15 23:44	1
2,6-Dinitrotoluene	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/27/15 23:44	1
Di-n-octyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/27/15 23:44	1
1,4-Dioxane	1.7	U	1.7	1.7	0.61	mg/Kg	☼	10/27/15 23:44	1
Hexachlorobenzene	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/27/15 23:44	1
Hexachlorobutadiene	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/27/15 23:44	1
Hexachlorocyclopentadiene	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/27/15 23:44	1
Hexachloroethane	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/27/15 23:44	1
Isophorone	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/27/15 23:44	1
2-Methylphenol	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/27/15 23:44	1
3 & 4 Methylphenol	0.34	U	1.7	0.34	0.22	mg/Kg	☼	10/27/15 23:44	1
2-Nitroaniline	0.34	U	8.7	0.34	0.23	mg/Kg	☼	10/27/15 23:44	1
3-Nitroaniline	0.87	U	8.7	0.87	0.23	mg/Kg	☼	10/27/15 23:44	1
4-Nitroaniline	0.87	U	8.7	0.87	0.25	mg/Kg	☼	10/27/15 23:44	1
Nitrobenzene	0.34	U	1.7	0.34	0.13	mg/Kg	☼	10/27/15 23:44	1
2-Nitrophenol	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/27/15 23:44	1
4-Nitrophenol	3.4	U	8.7	3.4	1.7	mg/Kg	☼	10/27/15 23:44	1
N-Nitrosodi-n-propylamine	0.34	U	1.7	0.34	0.16	mg/Kg	☼	10/27/15 23:44	1
N-Nitrosodiphenylamine	0.42	U	1.7	0.42	0.17	mg/Kg	☼	10/27/15 23:44	1
Pentachlorophenol	3.4	U	8.7	3.4	1.7	mg/Kg	☼	10/27/15 23:44	1
Phenol	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/27/15 23:44	1
1,2,4,5-Tetrachlorobenzene	0.34	U	1.7	0.34	0.16	mg/Kg	☼	10/27/15 23:44	1
2,3,4,6-Tetrachlorophenol	0.34	U	1.7	0.34	0.11	mg/Kg	☼	10/27/15 23:44	1
2,4,5-Trichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/27/15 23:44	1
2,4,6-Trichlorophenol	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/27/15 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*58 - 130*	*10/22/15 12:12*	*10/27/15 23:44*	*1*
2-Fluorophenol (Surr)	*65*		*40 - 130*	*10/22/15 12:12*	*10/27/15 23:44*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 130*	*10/22/15 12:12*	*10/27/15 23:44*	*1*
Phenol-d5 (Surr)	*67*		*49 - 130*	*10/22/15 12:12*	*10/27/15 23:44*	*1*
Terphenyl-d14 (Surr)	*73*		*60 - 130*	*10/22/15 12:12*	*10/27/15 23:44*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*58 - 130*	*10/22/15 12:12*	*10/27/15 23:44*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**17000**	**D**	92	18	2.8	mg/Kg	☼	10/24/15 17:40	10
Antimony	**0.16**	**J D**	1.8	0.69	0.064	mg/Kg	☼	10/24/15 17:40	10
Arsenic	**2.7**	**J D**	4.6	0.69	0.12	mg/Kg	☼	10/24/15 17:40	10
Barium	**91**	**D**	4.6	1.4	1.0	mg/Kg	☼	10/24/15 17:40	10
Beryllium	**0.29**	**J D**	0.92	0.46	0.050	mg/Kg	☼	10/24/15 17:40	10
Cadmium	**0.28**	**J D**	1.8	0.046	0.017	mg/Kg	☼	10/24/15 17:40	10

Client Sample ID: AOPSB701

Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25

Matrix: Solid
Percent Solids: 90.8

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Calcium	**59000**	**D**	3700	920	200	mg/Kg	☼	10/22/15 20:03	20
Chromium	**140**	**D**	4.6	2.1	0.28	mg/Kg	☼	10/24/15 17:40	10
Cobalt	**23**	**D**	0.92	0.069	0.0078	mg/Kg	☼	10/24/15 17:40	10
Copper	**41**	**D**	3.7	1.4	0.45	mg/Kg	☼	10/24/15 17:40	10
Iron	**31000**	**D**	460	140	15	mg/Kg	☼	10/24/15 17:40	10
Lead	**27**	**D**	2.8	0.92	0.21	mg/Kg	☼	10/24/15 17:40	10
Magnesium	**33000**	**D**	920	110	18	mg/Kg	☼	10/24/15 17:40	10
Manganese	**540**	**D**	4.6	1.8	0.55	mg/Kg	☼	10/24/15 17:40	10
Nickel	**310**	**D**	4.6	1.1	0.18	mg/Kg	☼	10/24/15 17:40	10
Potassium	**1100**	**D**	920	46	22	mg/Kg	☼	10/24/15 17:40	10
Selenium	**0.44**	**J D**	4.6	0.28	0.18	mg/Kg	☼	10/24/15 17:40	10
Silver	**0.087**	**J D**	0.92	0.23	0.0064	mg/Kg	☼	10/24/15 17:40	10
Sodium	**500**	**J D**	920	180	40	mg/Kg	☼	10/24/15 17:40	10
Thallium	0.69	U	1.8	0.69	0.087	mg/Kg	☼	10/24/15 17:40	10
V	**76**	**D**	4.6	0.46	0.17	mg/Kg	☼	10/24/15 17:40	10
Zinc	**75**	**D**	37	9.2	2.3	mg/Kg	☼	10/24/15 17:40	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.061**	**J**	0.10	0.035	0.015	mg/Kg	☼	10/23/15 17:15	1

Client Sample ID: AOPSD901

Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26

Matrix: Solid
Percent Solids: 66.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Acenaphthylene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Anthracene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Benzo[a]anthracene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Benzo[a]pyrene	**0.15**	**J D**	0.26	0.13	0.047	mg/Kg	☼	10/27/15 16:31	5
Benzo[b]fluoranthene	**0.28**	**D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Benzo[g,h,i]perylene	0.26	U J	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Benzo[k]fluoranthene	0.13	U	0.26	0.13	0.079	mg/Kg	☼	10/27/15 16:31	5
Chrysene	**0.17**	**J D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Fluoranthene	**0.30**	**D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Fluorene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Indeno[1,2,3-cd]pyrene	0.26	U J	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Dibenz(a,h)anthracene	0.26	U J	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Naphthalene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
Phenanthrene	**0.13**	**J D**	0.26	0.13	0.095	mg/Kg	☼	10/27/15 16:31	5
Pyrene	**0.20**	**J D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5
1-Methylnaphthalene	0.13	U	0.26	0.13	0.12	mg/Kg	☼	10/27/15 16:31	5
2-Methylnaphthalene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 16:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*49*		*36 - 131*	*10/22/15 11:40*	*10/27/15 16:31*	*5*

Client Sample Results

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSD901
Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26
Matrix: Solid
Percent Solids: 66.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.48	U	2.4	0.48	0.20	mg/Kg	☼	10/28/15 00:09	1
Atrazine	0.48	U	2.4	0.48	0.16	mg/Kg	☼	10/28/15 00:09	1
Benzaldehyde	1.2	U Q	2.4	1.2	0.41	mg/Kg	☼	10/28/15 00:09	1
1,1'-Biphenyl	12	U	12	12	12	mg/Kg	☼	10/28/15 00:09	1
Bis(2-chloroethoxy)methane	0.48	U	2.4	0.48	0.28	mg/Kg	☼	10/28/15 00:09	1
Bis(2-chloroethyl)ether	1.2	U	2.4	1.2	0.32	mg/Kg	☼	10/28/15 00:09	1
bis (2-chloroisopropyl) ether	0.48	U	2.4	0.48	0.21	mg/Kg	☼	10/28/15 00:09	1
Bis(2-ethylhexyl) phthalate	**1.0**	**J**	2.4	0.48	0.21	mg/Kg	☼	10/28/15 00:09	1
4-Bromophenyl phenyl ether	0.48	U	2.4	0.48	0.26	mg/Kg	☼	10/28/15 00:09	1
Butyl benzyl phthalate	0.48	U	2.4	0.48	0.19	mg/Kg	☼	10/28/15 00:09	1
Caprolactam	1.2	U	2.4	1.2	0.47	mg/Kg	☼	10/28/15 00:09	1
Carbazole	0.48	U	2.4	0.48	0.21	mg/Kg	☼	10/28/15 00:09	1
4-Chloroaniline	1.2	U	4.7	1.2	0.37	mg/Kg	☼	10/28/15 00:09	1
4-Chloro-3-methylphenol	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 00:09	1
2-Chloronaphthalene	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 00:09	1
2-Chlorophenol	0.48	U	2.4	0.48	0.29	mg/Kg	☼	10/28/15 00:09	1
4-Chlorophenyl phenyl ether	0.48	U	2.4	0.48	0.31	mg/Kg	☼	10/28/15 00:09	1
Dibenzofuran	0.48	U	2.4	0.48	0.24	mg/Kg	☼	10/28/15 00:09	1
3,3'-Dichlorobenzidine	0.48	U	4.7	0.48	0.20	mg/Kg	☼	10/28/15 00:09	1
2,4-Dichlorophenol	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 00:09	1
Diethyl phthalate	0.48	U	2.4	0.48	0.26	mg/Kg	☼	10/28/15 00:09	1
2,4-Dimethylphenol	1.2	U	2.4	1.2	0.31	mg/Kg	☼	10/28/15 00:09	1
Dimethyl phthalate	0.48	U	2.4	0.48	0.24	mg/Kg	☼	10/28/15 00:09	1
Di-n-butyl phthalate	0.48	U	2.4	0.48	0.21	mg/Kg	☼	10/28/15 00:09	1
2-Methyl-4,6-dinitrophenol	2.4	U	12	2.4	1.2	mg/Kg	☼	10/28/15 00:09	1
2,4-Dinitrophenol	9.3	U	12	9.3	5.9	mg/Kg	☼	10/28/15 00:09	1
2,4-Dinitrotoluene	1.2	U	2.4	1.2	0.35	mg/Kg	☼	10/28/15 00:09	1
2,6-Dinitrotoluene	0.48	U	2.4	0.48	0.30	mg/Kg	☼	10/28/15 00:09	1
Di-n-octyl phthalate	0.48	U	2.4	0.48	0.21	mg/Kg	☼	10/28/15 00:09	1
1,4-Dioxane	2.4	U	2.4	2.4	0.86	mg/Kg	☼	10/28/15 00:09	1
Hexachlorobenzene	0.48	U	2.4	0.48	0.28	mg/Kg	☼	10/28/15 00:09	1
Hexachlorobutadiene	0.48	U	2.4	0.48	0.26	mg/Kg	☼	10/28/15 00:09	1
Hexachlorocyclopentadiene	0.48	U J	2.4	0.48	0.29	mg/Kg	☼	10/28/15 00:09	1
Hexachloroethane	0.48	U	2.4	0.48	0.20	mg/Kg	☼	10/28/15 00:09	1
Isophorone	0.48	U	2.4	0.48	0.24	mg/Kg	☼	10/28/15 00:09	1
2-Methylphenol	0.48	U	2.4	0.48	0.19	mg/Kg	☼	10/28/15 00:09	1
3 & 4 Methylphenol	0.48	U	2.4	0.48	0.31	mg/Kg	☼	10/28/15 00:09	1
2-Nitroaniline	0.48	U	12	0.48	0.32	mg/Kg	☼	10/28/15 00:09	1
3-Nitroaniline	1.2	U	12	1.2	0.33	mg/Kg	☼	10/28/15 00:09	1
4-Nitroaniline	1.2	U	12	1.2	0.35	mg/Kg	☼	10/28/15 00:09	1
Nitrobenzene	0.48	U	2.4	0.48	0.19	mg/Kg	☼	10/28/15 00:09	1
2-Nitrophenol	0.48	U	2.4	0.48	0.29	mg/Kg	☼	10/28/15 00:09	1
4-Nitrophenol	4.8	U	12	4.8	2.4	mg/Kg	☼	10/28/15 00:09	1
N-Nitrosodi-n-propylamine	0.48	U	2.4	0.48	0.23	mg/Kg	☼	10/28/15 00:09	1
N-Nitrosodiphenylamine	0.59	U	2.4	0.59	0.24	mg/Kg	☼	10/28/15 00:09	1
Pentachlorophenol	4.8	U	12	4.8	2.4	mg/Kg	☼	10/28/15 00:09	1
Phenol	0.48	U	2.4	0.48	0.24	mg/Kg	☼	10/28/15 00:09	1
1,2,4,5-Tetrachlorobenzene	0.48	U	2.4	0.48	0.22	mg/Kg	☼	10/28/15 00:09	1
2,3,4,6-Tetrachlorophenol	0.48	U	2.4	0.48	0.16	mg/Kg	☼	10/28/15 00:09	1

Client Sample ID: AOPSD901

Lab Sample ID: 680-117942-26

Date Collected: 10/11/15 12:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 66.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 00:09	1
2,4,6-Trichlorophenol	0.48	U	2.4	0.48	0.21	mg/Kg	☼	10/28/15 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*58 - 130*	*10/22/15 12:12*	*10/28/15 00:09*	*1*
2-Fluorophenol (Surr)	*64*		*40 - 130*	*10/22/15 12:12*	*10/28/15 00:09*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 130*	*10/22/15 12:12*	*10/28/15 00:09*	*1*
Phenol-d5 (Surr)	*65*		*49 - 130*	*10/22/15 12:12*	*10/28/15 00:09*	*1*
Terphenyl-d14 (Surr)	*72*		*60 - 130*	*10/22/15 12:12*	*10/28/15 00:09*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*58 - 130*	*10/22/15 12:12*	*10/28/15 00:09*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**7900**	**D J**	120	24	3.7	mg/Kg	☼	10/23/15 12:45	10
Antimony	**0.50**	**D J**	2.4	0.91	0.085	mg/Kg	☼	10/23/15 12:45	10
Arsenic	**3.7**	**D J**	6.0	0.91	0.16	mg/Kg	☼	10/23/15 12:45	10
Barium	**1200**	**D J**	6.0	1.8	1.3	mg/Kg	☼	10/23/15 12:45	10
Beryllium	**0.19**	**J D**	1.2	0.60	0.066	mg/Kg	☼	10/26/15 15:33	10
Cadmium	**1.1**	**D J**	2.4	0.060	0.022	mg/Kg	☼	10/23/15 12:45	10
Calcium	**130000**	**J D**	12000	3000	660	mg/Kg	☼	10/26/15 15:37	50
Chromium	**140**	**D J**	6.0	2.7	0.36	mg/Kg	☼	10/23/15 12:45	10
Cobalt	**16**	**D J**	1.2	0.091	0.010	mg/Kg	☼	10/23/15 12:45	10
Copper	**28**	**D J**	4.8	1.8	0.59	mg/Kg	☼	10/23/15 12:45	10
Iron	**17000**	**D J**	600	180	19	mg/Kg	☼	10/23/15 12:45	10
Lead	**110**	**D J**	3.6	1.2	0.27	mg/Kg	☼	10/23/15 12:45	10
Magnesium	**36000**	**D J**	1200	150	24	mg/Kg	☼	10/23/15 12:45	10
Manganese	**340**	**D J**	6.0	2.4	0.73	mg/Kg	☼	10/23/15 12:45	10
Nickel	**290**	**D J**	6.0	1.5	0.24	mg/Kg	☼	10/23/15 12:45	10
Potassium	**610**	**D J**	1200	60	30	mg/Kg	☼	10/23/15 12:45	10
Selenium	**0.59**	**D J**	6.0	0.36	0.24	mg/Kg	☼	10/23/15 12:45	10
Silver	**0.081**	**D J**	1.2	0.30	0.0085	mg/Kg	☼	10/23/15 12:45	10
Sodium	**270**	**D J**	1200	240	53	mg/Kg	☼	10/23/15 12:45	10
Thallium	0.91	U J	2.4	0.91	0.11	mg/Kg	☼	10/23/15 12:45	10
V	**39**	**D J**	6.0	0.60	0.22	mg/Kg	☼	10/23/15 12:45	10
Zinc	**440**	**D J**	48	12	3.0	mg/Kg	☼	10/23/15 12:45	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.046	U	0.14	0.046	0.020	mg/Kg	☼	10/26/15 16:21	1

Client Sample ID: AOPSA601

Lab Sample ID: 680-117942-27

Date Collected: 10/11/15 10:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 74.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Acenaphthylene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Benzo[a]anthracene	**0.45**	**D**	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5

Client Sample ID: AOPSA601

Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27

Matrix: Solid
Percent Solids: 74.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzo[a]pyrene	**0.43**	**D**	0.22	0.11	0.040	mg/Kg	☼	10/27/15 18:57	5
Benzo[b]fluoranthene	**0.66**	**D**	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Benzo[g,h,i]perylene	**0.25**	**D**	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Benzo[k]fluoranthene	**0.27**	**D**	0.22	0.11	0.066	mg/Kg	☼	10/27/15 18:57	5
Chrysene	**0.50**	**D**	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Fluoranthene	**1.1**	**D**	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Fluorene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Indeno[1,2,3-cd]pyrene	**0.15**	**J D**	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Dibenz(a,h)anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Naphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
Phenanthrene	**0.56**	**D**	0.22	0.11	0.079	mg/Kg	☼	10/27/15 18:57	5
Pyrene	**0.72**	**D**	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5
1-Methylnaphthalene	0.11	U	0.22	0.11	0.10	mg/Kg	☼	10/27/15 18:57	5
2-Methylnaphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 18:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*36 - 131*	*10/22/15 11:40*	*10/27/15 18:57*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/28/15 00:33	1
Atrazine	0.42	U	2.1	0.42	0.14	mg/Kg	☼	10/28/15 00:33	1
Benzaldehyde	1.1	U Q	2.1	1.1	0.36	mg/Kg	☼	10/28/15 00:33	1
1,1'-Biphenyl	11	U	11	11	11	mg/Kg	☼	10/28/15 00:33	1
Bis(2-chloroethoxy)methane	0.42	U	2.1	0.42	0.24	mg/Kg	☼	10/28/15 00:33	1
Bis(2-chloroethyl)ether	1.1	U	2.1	1.1	0.28	mg/Kg	☼	10/28/15 00:33	1
bis (2-chloroisopropyl) ether	0.42	U	2.1	0.42	0.19	mg/Kg	☼	10/28/15 00:33	1
Bis(2-ethylhexyl) phthalate	**0.54**	**J**	2.1	0.42	0.18	mg/Kg	☼	10/28/15 00:33	1
4-Bromophenyl phenyl ether	0.42	U	2.1	0.42	0.23	mg/Kg	☼	10/28/15 00:33	1
Butyl benzyl phthalate	0.42	U	2.1	0.42	0.16	mg/Kg	☼	10/28/15 00:33	1
Caprolactam	1.1	U	2.1	1.1	0.41	mg/Kg	☼	10/28/15 00:33	1
Carbazole	0.42	U	2.1	0.42	0.19	mg/Kg	☼	10/28/15 00:33	1
4-Chloroaniline	1.1	U	4.1	1.1	0.33	mg/Kg	☼	10/28/15 00:33	1
4-Chloro-3-methylphenol	0.42	U	2.1	0.42	0.22	mg/Kg	☼	10/28/15 00:33	1
2-Chloronaphthalene	0.42	U	2.1	0.42	0.22	mg/Kg	☼	10/28/15 00:33	1
2-Chlorophenol	0.42	U	2.1	0.42	0.25	mg/Kg	☼	10/28/15 00:33	1
4-Chlorophenyl phenyl ether	0.42	U	2.1	0.42	0.28	mg/Kg	☼	10/28/15 00:33	1
Dibenzofuran	0.42	U	2.1	0.42	0.21	mg/Kg	☼	10/28/15 00:33	1
3,3'-Dichlorobenzidine	0.42	U	4.1	0.42	0.18	mg/Kg	☼	10/28/15 00:33	1
2,4-Dichlorophenol	0.42	U	2.1	0.42	0.22	mg/Kg	☼	10/28/15 00:33	1
Diethyl phthalate	0.42	U	2.1	0.42	0.23	mg/Kg	☼	10/28/15 00:33	1
2,4-Dimethylphenol	1.1	U	2.1	1.1	0.28	mg/Kg	☼	10/28/15 00:33	1
Dimethyl phthalate	0.42	U	2.1	0.42	0.21	mg/Kg	☼	10/28/15 00:33	1
Di-n-butyl phthalate	0.42	U	2.1	0.42	0.19	mg/Kg	☼	10/28/15 00:33	1
2-Methyl-4,6-dinitrophenol	2.1	U	11	2.1	1.1	mg/Kg	☼	10/28/15 00:33	1
2,4-Dinitrophenol	8.2	U	11	8.2	5.2	mg/Kg	☼	10/28/15 00:33	1
2,4-Dinitrotoluene	1.1	U	2.1	1.1	0.31	mg/Kg	☼	10/28/15 00:33	1
2,6-Dinitrotoluene	0.42	U	2.1	0.42	0.26	mg/Kg	☼	10/28/15 00:33	1
Di-n-octyl phthalate	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/28/15 00:33	1
1,4-Dioxane	2.1	U	2.1	2.1	0.75	mg/Kg	☼	10/28/15 00:33	1

Client Sample ID: AOPSA601

Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27

Matrix: Solid
Percent Solids: 74.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobenzene	0.42	U	2.1	0.42	0.24	mg/Kg	☼	10/28/15 00:33	1
Hexachlorobutadiene	0.42	U	2.1	0.42	0.23	mg/Kg	☼	10/28/15 00:33	1
Hexachlorocyclopentadiene	0.42	U	2.1	0.42	0.26	mg/Kg	☼	10/28/15 00:33	1
Hexachloroethane	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/28/15 00:33	1
Isophorone	0.42	U	2.1	0.42	0.21	mg/Kg	☼	10/28/15 00:33	1
2-Methylphenol	0.42	U	2.1	0.42	0.17	mg/Kg	☼	10/28/15 00:33	1
3 & 4 Methylphenol	0.42	U	2.1	0.42	0.27	mg/Kg	☼	10/28/15 00:33	1
2-Nitroaniline	0.42	U	11	0.42	0.28	mg/Kg	☼	10/28/15 00:33	1
3-Nitroaniline	1.1	U	11	1.1	0.29	mg/Kg	☼	10/28/15 00:33	1
4-Nitroaniline	1.1	U	11	1.1	0.31	mg/Kg	☼	10/28/15 00:33	1
Nitrobenzene	0.42	U	2.1	0.42	0.16	mg/Kg	☼	10/28/15 00:33	1
2-Nitrophenol	0.42	U	2.1	0.42	0.26	mg/Kg	☼	10/28/15 00:33	1
4-Nitrophenol	4.2	U	11	4.2	2.1	mg/Kg	☼	10/28/15 00:33	1
N-Nitrosodi-n-propylamine	0.42	U	2.1	0.42	0.20	mg/Kg	☼	10/28/15 00:33	1
N-Nitrosodiphenylamine	0.52	U	2.1	0.52	0.21	mg/Kg	☼	10/28/15 00:33	1
Pentachlorophenol	4.2	U	11	4.2	2.1	mg/Kg	☼	10/28/15 00:33	1
Phenol	0.42	U	2.1	0.42	0.21	mg/Kg	☼	10/28/15 00:33	1
1,2,4,5-Tetrachlorobenzene	0.42	U	2.1	0.42	0.19	mg/Kg	☼	10/28/15 00:33	1
2,3,4,6-Tetrachlorophenol	0.42	U	2.1	0.42	0.14	mg/Kg	☼	10/28/15 00:33	1
2,4,5-Trichlorophenol	0.42	U	2.1	0.42	0.22	mg/Kg	☼	10/28/15 00:33	1
2,4,6-Trichlorophenol	0.42	U	2.1	0.42	0.18	mg/Kg	☼	10/28/15 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*58 - 130*	*10/22/15 12:12*	*10/28/15 00:33*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/22/15 12:12*	*10/28/15 00:33*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*	*10/22/15 12:12*	*10/28/15 00:33*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*10/22/15 12:12*	*10/28/15 00:33*	*1*
Terphenyl-d14 (Surr)	*68*		*60 - 130*	*10/22/15 12:12*	*10/28/15 00:33*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*	*10/22/15 12:12*	*10/28/15 00:33*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**24000**	**D**	110	22	3.4	mg/Kg	☼	10/27/15 12:33	10
Antimony	**0.27**	**J D**	2.2	0.83	0.078	mg/Kg	☼	10/27/15 12:33	10
Arsenic	**3.6**	**J D**	5.6	0.83	0.14	mg/Kg	☼	10/27/15 12:33	10
Barium	**87**	**D**	5.6	1.7	1.2	mg/Kg	☼	10/27/15 12:33	10
Beryllium	**0.40**	**J D**	1.1	0.56	0.061	mg/Kg	☼	10/27/15 12:33	10
Cadmium	**0.31**	**J D**	2.2	0.056	0.021	mg/Kg	☼	10/27/15 12:33	10
Calcium	**82000**	**D**	4400	1100	240	mg/Kg	☼	10/27/15 15:54	20
Chromium	**180**	**D**	5.6	2.5	0.33	mg/Kg	☼	10/27/15 12:33	10
Cobalt	**30**	**D**	1.1	0.083	0.0094	mg/Kg	☼	10/27/15 12:33	10
Copper	**55**	**D**	4.4	1.7	0.54	mg/Kg	☼	10/27/15 12:33	10
Iron	**42000**	**D**	560	170	18	mg/Kg	☼	10/27/15 12:33	10
Lead	**25**	**D**	3.3	1.1	0.25	mg/Kg	☼	10/27/15 12:33	10
Magnesium	**38000**	**D**	1100	140	22	mg/Kg	☼	10/27/15 12:33	10
Manganese	**680**	**D**	5.6	2.2	0.67	mg/Kg	☼	10/27/15 12:33	10
Nickel	**350**	**D**	5.6	1.4	0.22	mg/Kg	☼	10/27/15 12:33	10
Potassium	**1600**	**D**	1100	56	27	mg/Kg	☼	10/27/15 12:33	10
Selenium	**0.75**	**J D**	5.6	0.33	0.22	mg/Kg	☼	10/27/15 12:33	10
Silver	**0.081**	**J D**	1.1	0.28	0.0078	mg/Kg	☼	10/27/15 12:33	10

Client Sample ID: AOPSA601

Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27

Matrix: Solid
Percent Solids: 74.3

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sodium	**1500**	**D**	1100	220	48	mg/Kg	☼	10/27/15 12:33	10
Thallium	0.83	U	2.2	0.83	0.11	mg/Kg	☼	10/27/15 12:33	10
V	**110**	**D**	5.6	0.56	0.21	mg/Kg	☼	10/27/15 12:33	10
Zinc	**98**	**D**	44	11	2.8	mg/Kg	☼	10/27/15 12:33	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.033**	**J**	0.13	0.043	0.018	mg/Kg	☼	10/22/15 09:53	1

Client Sample ID: AOPSB501

Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28

Matrix: Solid
Percent Solids: 94.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Acenaphthylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Benzo[a]anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Benzo[a]pyrene	**0.051**	**J D**	0.18	0.089	0.032	mg/Kg	☼	10/27/15 19:21	5
Benzo[b]fluoranthene	**0.11**	**J D**	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Benzo[g,h,i]perylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Benzo[k]fluoranthene	0.089	U	0.18	0.089	0.054	mg/Kg	☼	10/27/15 19:21	5
Chrysene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Fluoranthene	**0.13**	**J D**	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Fluorene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Indeno[1,2,3-cd]pyrene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Dibenz(a,h)anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Naphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
Phenanthrene	0.089	U	0.18	0.089	0.065	mg/Kg	☼	10/27/15 19:21	5
Pyrene	**0.090**	**J D**	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5
1-Methylnaphthalene	0.089	U	0.18	0.089	0.083	mg/Kg	☼	10/27/15 19:21	5
2-Methylnaphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*36 - 131*	*10/22/15 11:40*	*10/27/15 19:21*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.33	U	1.6	0.33	0.14	mg/Kg	☼	10/28/15 00:57	1
Atrazine	0.33	U	1.6	0.33	0.11	mg/Kg	☼	10/28/15 00:57	1
Benzaldehyde	0.84	U Q	1.6	0.84	0.29	mg/Kg	☼	10/28/15 00:57	1
1,1'-Biphenyl	8.4	U	8.4	8.4	8.4	mg/Kg	☼	10/28/15 00:57	1
Bis(2-chloroethoxy)methane	0.33	U	1.6	0.33	0.19	mg/Kg	☼	10/28/15 00:57	1
Bis(2-chloroethyl)ether	0.84	U	1.6	0.84	0.22	mg/Kg	☼	10/28/15 00:57	1
bis (2-chloroisopropyl) ether	0.33	U	1.6	0.33	0.15	mg/Kg	☼	10/28/15 00:57	1
Bis(2-ethylhexyl) phthalate	**0.79**	**J**	1.6	0.33	0.14	mg/Kg	☼	10/28/15 00:57	1
4-Bromophenyl phenyl ether	0.33	U	1.6	0.33	0.18	mg/Kg	☼	10/28/15 00:57	1
Butyl benzyl phthalate	0.33	U	1.6	0.33	0.13	mg/Kg	☼	10/28/15 00:57	1
Caprolactam	0.84	U	1.6	0.84	0.32	mg/Kg	☼	10/28/15 00:57	1

Client Sample ID: AOPSB501
Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28
Matrix: Solid
Percent Solids: 94.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbazole	0.33	U	1.6	0.33	0.15	mg/Kg	☼	10/28/15 00:57	1
4-Chloroaniline	**1.1**	**J**	3.2	0.84	0.26	mg/Kg	☼	10/28/15 00:57	1
4-Chloro-3-methylphenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	10/28/15 00:57	1
2-Chloronaphthalene	0.33	U	1.6	0.33	0.17	mg/Kg	☼	10/28/15 00:57	1
2-Chlorophenol	0.33	U	1.6	0.33	0.20	mg/Kg	☼	10/28/15 00:57	1
4-Chlorophenyl phenyl ether	0.33	U	1.6	0.33	0.22	mg/Kg	☼	10/28/15 00:57	1
Dibenzofuran	0.33	U	1.6	0.33	0.16	mg/Kg	☼	10/28/15 00:57	1
3,3'-Dichlorobenzidine	0.33	U	3.2	0.33	0.14	mg/Kg	☼	10/28/15 00:57	1
2,4-Dichlorophenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	10/28/15 00:57	1
Diethyl phthalate	0.33	U	1.6	0.33	0.18	mg/Kg	☼	10/28/15 00:57	1
2,4-Dimethylphenol	0.84	U	1.6	0.84	0.22	mg/Kg	☼	10/28/15 00:57	1
Dimethyl phthalate	0.33	U	1.6	0.33	0.17	mg/Kg	☼	10/28/15 00:57	1
Di-n-butyl phthalate	0.33	U	1.6	0.33	0.15	mg/Kg	☼	10/28/15 00:57	1
2-Methyl-4,6-dinitrophenol	1.6	U	8.4	1.6	0.84	mg/Kg	☼	10/28/15 00:57	1
2,4-Dinitrophenol	6.4	U	8.4	6.4	4.1	mg/Kg	☼	10/28/15 00:57	1
2,4-Dinitrotoluene	0.84	U	1.6	0.84	0.24	mg/Kg	☼	10/28/15 00:57	1
2,6-Dinitrotoluene	0.33	U	1.6	0.33	0.21	mg/Kg	☼	10/28/15 00:57	1
Di-n-octyl phthalate	0.33	U	1.6	0.33	0.14	mg/Kg	☼	10/28/15 00:57	1
1,4-Dioxane	1.6	U	1.6	1.6	0.59	mg/Kg	☼	10/28/15 00:57	1
Hexachlorobenzene	0.33	U	1.6	0.33	0.19	mg/Kg	☼	10/28/15 00:57	1
Hexachlorobutadiene	0.33	U	1.6	0.33	0.18	mg/Kg	☼	10/28/15 00:57	1
Hexachlorocyclopentadiene	0.33	U	1.6	0.33	0.20	mg/Kg	☼	10/28/15 00:57	1
Hexachloroethane	0.33	U	1.6	0.33	0.14	mg/Kg	☼	10/28/15 00:57	1
Isophorone	0.33	U	1.6	0.33	0.16	mg/Kg	☼	10/28/15 00:57	1
2-Methylphenol	0.33	U	1.6	0.33	0.13	mg/Kg	☼	10/28/15 00:57	1
3 & 4 Methylphenol	0.33	U	1.6	0.33	0.21	mg/Kg	☼	10/28/15 00:57	1
2-Nitroaniline	0.33	U	8.4	0.33	0.22	mg/Kg	☼	10/28/15 00:57	1
3-Nitroaniline	0.84	U	8.4	0.84	0.23	mg/Kg	☼	10/28/15 00:57	1
4-Nitroaniline	0.84	U	8.4	0.84	0.24	mg/Kg	☼	10/28/15 00:57	1
Nitrobenzene	0.33	U	1.6	0.33	0.13	mg/Kg	☼	10/28/15 00:57	1
2-Nitrophenol	0.33	U	1.6	0.33	0.20	mg/Kg	☼	10/28/15 00:57	1
4-Nitrophenol	3.3	U	8.4	3.3	1.6	mg/Kg	☼	10/28/15 00:57	1
N-Nitrosodi-n-propylamine	0.33	U	1.6	0.33	0.16	mg/Kg	☼	10/28/15 00:57	1
N-Nitrosodiphenylamine	0.41	U	1.6	0.41	0.16	mg/Kg	☼	10/28/15 00:57	1
Pentachlorophenol	3.3	U	8.4	3.3	1.6	mg/Kg	☼	10/28/15 00:57	1
Phenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	10/28/15 00:57	1
1,2,4,5-Tetrachlorobenzene	0.33	U	1.6	0.33	0.15	mg/Kg	☼	10/28/15 00:57	1
2,3,4,6-Tetrachlorophenol	0.33	U	1.6	0.33	0.11	mg/Kg	☼	10/28/15 00:57	1
2,4,5-Trichlorophenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	10/28/15 00:57	1
2,4,6-Trichlorophenol	0.33	U	1.6	0.33	0.14	mg/Kg	☼	10/28/15 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*	*Q*	*58 - 130*	*10/22/15 12:12*	*10/28/15 00:57*	*1*
2-Fluorophenol (Surr)	*51*		*40 - 130*	*10/22/15 12:12*	*10/28/15 00:57*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 130*	*10/22/15 12:12*	*10/28/15 00:57*	*1*
Phenol-d5 (Surr)	*52*		*49 - 130*	*10/22/15 12:12*	*10/28/15 00:57*	*1*
Terphenyl-d14 (Surr)	*57*	*Q*	*60 - 130*	*10/22/15 12:12*	*10/28/15 00:57*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*	*10/22/15 12:12*	*10/28/15 00:57*	*1*

Client Sample ID: AOPSB501

Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28

Matrix: Solid
Percent Solids: 94.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 06:09	1
Atrazine	0.33	U H	1.6	0.33	0.11	mg/Kg	☼	11/04/15 06:09	1
Benzaldehyde	0.85	U H	1.6	0.85	0.29	mg/Kg	☼	11/04/15 06:09	1
1,1'-Biphenyl	8.5	U H	8.5	8.5	8.5	mg/Kg	☼	11/04/15 06:09	1
Bis(2-chloroethoxy)methane	0.33	U H	1.6	0.33	0.19	mg/Kg	☼	11/04/15 06:09	1
Bis(2-chloroethyl)ether	0.85	U H	1.6	0.85	0.22	mg/Kg	☼	11/04/15 06:09	1
bis (2-chloroisopropyl) ether	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 06:09	1
Bis(2-ethylhexyl) phthalate	**0.74**	**J H**	1.6	0.33	0.14	mg/Kg	☼	11/04/15 06:09	1
4-Bromophenyl phenyl ether	0.33	U H	1.6	0.33	0.18	mg/Kg	☼	11/04/15 06:09	1
Butyl benzyl phthalate	0.33	U H	1.6	0.33	0.13	mg/Kg	☼	11/04/15 06:09	1
Caprolactam	0.85	U H	1.6	0.85	0.33	mg/Kg	☼	11/04/15 06:09	1
Carbazole	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 06:09	1
4-Chloroaniline	**0.56**	**J H**	3.3	0.85	0.26	mg/Kg	☼	11/04/15 06:09	1
4-Chloro-3-methylphenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 06:09	1
2-Chloronaphthalene	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 06:09	1
2-Chlorophenol	0.33	U H	1.6	0.33	0.20	mg/Kg	☼	11/04/15 06:09	1
4-Chlorophenyl phenyl ether	0.33	U H	1.6	0.33	0.22	mg/Kg	☼	11/04/15 06:09	1
Dibenzofuran	0.33	U H	1.6	0.33	0.16	mg/Kg	☼	11/04/15 06:09	1
3,3'-Dichlorobenzidine	0.33	U H	3.3	0.33	0.14	mg/Kg	☼	11/04/15 06:09	1
2,4-Dichlorophenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 06:09	1
Diethyl phthalate	0.33	U H	1.6	0.33	0.18	mg/Kg	☼	11/04/15 06:09	1
2,4-Dimethylphenol	0.85	U H	1.6	0.85	0.22	mg/Kg	☼	11/04/15 06:09	1
Dimethyl phthalate	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 06:09	1
Di-n-butyl phthalate	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 06:09	1
2-Methyl-4,6-dinitrophenol	1.6	U H	8.5	1.6	0.85	mg/Kg	☼	11/04/15 06:09	1
2,4-Dinitrophenol	6.5	U H	8.5	6.5	4.1	mg/Kg	☼	11/04/15 06:09	1
2,4-Dinitrotoluene	0.85	U H	1.6	0.85	0.24	mg/Kg	☼	11/04/15 06:09	1
2,6-Dinitrotoluene	0.33	U H	1.6	0.33	0.21	mg/Kg	☼	11/04/15 06:09	1
Di-n-octyl phthalate	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 06:09	1
1,4-Dioxane	1.6	U H	1.6	1.6	0.60	mg/Kg	☼	11/04/15 06:09	1
Hexachlorobenzene	0.33	U H	1.6	0.33	0.19	mg/Kg	☼	11/04/15 06:09	1
Hexachlorobutadiene	0.33	U H	1.6	0.33	0.18	mg/Kg	☼	11/04/15 06:09	1
Hexachlorocyclopentadiene	0.33	U H	1.6	0.33	0.20	mg/Kg	☼	11/04/15 06:09	1
Hexachloroethane	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 06:09	1
Isophorone	0.33	U H	1.6	0.33	0.16	mg/Kg	☼	11/04/15 06:09	1
2-Methylphenol	0.33	U H	1.6	0.33	0.13	mg/Kg	☼	11/04/15 06:09	1
3 & 4 Methylphenol	0.33	U H	1.6	0.33	0.21	mg/Kg	☼	11/04/15 06:09	1
2-Nitroaniline	0.33	U H	8.5	0.33	0.22	mg/Kg	☼	11/04/15 06:09	1
3-Nitroaniline	0.85	U H	8.5	0.85	0.23	mg/Kg	☼	11/04/15 06:09	1
4-Nitroaniline	0.85	U H	8.5	0.85	0.24	mg/Kg	☼	11/04/15 06:09	1
Nitrobenzene	0.33	U H	1.6	0.33	0.13	mg/Kg	☼	11/04/15 06:09	1
2-Nitrophenol	0.33	U H	1.6	0.33	0.20	mg/Kg	☼	11/04/15 06:09	1
4-Nitrophenol	3.3	U H	8.5	3.3	1.6	mg/Kg	☼	11/04/15 06:09	1
N-Nitrosodi-n-propylamine	0.33	U H	1.6	0.33	0.16	mg/Kg	☼	11/04/15 06:09	1
N-Nitrosodiphenylamine	0.41	U H	1.6	0.41	0.16	mg/Kg	☼	11/04/15 06:09	1
Pentachlorophenol	3.3	U H	8.5	3.3	1.6	mg/Kg	☼	11/04/15 06:09	1
Phenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 06:09	1
1,2,4,5-Tetrachlorobenzene	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 06:09	1
2,3,4,6-Tetrachlorophenol	0.33	U H	1.6	0.33	0.11	mg/Kg	☼	11/04/15 06:09	1

Client Sample ID: AOPSB501

Lab Sample ID: 680-117942-28
Date Collected: 10/11/15 10:15
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 94.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 06:09	1
2,4,6-Trichlorophenol	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 06:09*	*1*
2-Fluorophenol (Surr)	*48*		*40 - 130*	*11/02/15 11:31*	*11/04/15 06:09*	*1*
Nitrobenzene-d5 (Surr)	*50*		*46 - 130*	*11/02/15 11:31*	*11/04/15 06:09*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*11/02/15 11:31*	*11/04/15 06:09*	*1*
Terphenyl-d14 (Surr)	*56*	*Q*	*60 - 130*	*11/02/15 11:31*	*11/04/15 06:09*	*1*
2,4,6-Tribromophenol (Surr)	*52*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 06:09*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9400**	**D**	91	18	2.8	mg/Kg	☼	10/27/15 12:40	10
Antimony	**0.85**	**J D**	1.8	0.68	0.063	mg/Kg	☼	10/27/15 12:40	10
Arsenic	**1.8**	**J D**	4.5	0.68	0.12	mg/Kg	☼	10/27/15 12:40	10
Barium	**53**	**D**	4.5	1.4	1.0	mg/Kg	☼	10/27/15 12:40	10
Beryllium	**0.23**	**J D**	0.91	0.45	0.050	mg/Kg	☼	10/27/15 12:40	10
Cadmium	**0.68**	**J D**	1.8	0.045	0.017	mg/Kg	☼	10/27/15 12:40	10
Calcium	**96000**	**D**	9100	2300	500	mg/Kg	☼	10/27/15 15:58	50
Chromium	**220**	**D**	4.5	2.0	0.27	mg/Kg	☼	10/27/15 12:40	10
Cobalt	**20**	**D**	0.91	0.068	0.0077	mg/Kg	☼	10/27/15 12:40	10
Copper	**28**	**D**	3.6	1.4	0.44	mg/Kg	☼	10/27/15 12:40	10
Iron	**20000**	**D**	450	140	15	mg/Kg	☼	10/27/15 12:40	10
Lead	**240**	**D**	2.7	0.91	0.20	mg/Kg	☼	10/27/15 12:40	10
Magnesium	**45000**	**D**	910	110	18	mg/Kg	☼	10/27/15 12:40	10
Manganese	**320**	**D**	4.5	1.8	0.54	mg/Kg	☼	10/27/15 12:40	10
Nickel	**420**	**D**	4.5	1.1	0.18	mg/Kg	☼	10/27/15 12:40	10
Potassium	**750**	**J D**	910	45	22	mg/Kg	☼	10/27/15 12:40	10
Selenium	**0.68**	**J D**	4.5	0.27	0.18	mg/Kg	☼	10/27/15 12:40	10
Silver	**0.13**	**J D**	0.91	0.23	0.0063	mg/Kg	☼	10/27/15 12:40	10
Sodium	**500**	**J D**	910	180	39	mg/Kg	☼	10/27/15 12:40	10
Thallium	**0.14**	**J D**	1.8	0.68	0.086	mg/Kg	☼	10/27/15 12:40	10
V	**81**	**D**	4.5	0.45	0.17	mg/Kg	☼	10/27/15 12:40	10
Zinc	**150**	**D**	36	9.1	2.3	mg/Kg	☼	10/27/15 12:40	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.025**	**J**	0.11	0.036	0.015	mg/Kg	☼	10/22/15 09:54	1

Client Sample ID: AOPSM601

Lab Sample ID: 680-117942-29
Date Collected: 10/12/15 11:45
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 89.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Acenaphthylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Benzo[a]anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid
Percent Solids: 89.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzo[a]pyrene	0.089	U	0.18	0.089	0.032	mg/Kg	☼	10/27/15 19:46	5
Benzo[b]fluoranthene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Benzo[g,h,i]perylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Benzo[k]fluoranthene	0.089	U	0.18	0.089	0.054	mg/Kg	☼	10/27/15 19:46	5
Chrysene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Fluoranthene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Fluorene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Indeno[1,2,3-cd]pyrene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Dibenz(a,h)anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Naphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
Phenanthrene	0.089	U	0.18	0.089	0.065	mg/Kg	☼	10/27/15 19:46	5
Pyrene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5
1-Methylnaphthalene	0.089	U	0.18	0.089	0.083	mg/Kg	☼	10/27/15 19:46	5
2-Methylnaphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 19:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*36 - 131*	*10/22/15 11:40*	*10/27/15 19:46*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/28/15 01:21	1
Atrazine	0.35	U	1.7	0.35	0.12	mg/Kg	☼	10/28/15 01:21	1
Benzaldehyde	0.88	U Q	1.7	0.88	0.30	mg/Kg	☼	10/28/15 01:21	1
1,1'-Biphenyl	8.8	U	8.8	8.8	8.8	mg/Kg	☼	10/28/15 01:21	1
Bis(2-chloroethoxy)methane	0.35	U	1.7	0.35	0.20	mg/Kg	☼	10/28/15 01:21	1
Bis(2-chloroethyl)ether	0.88	U	1.7	0.88	0.23	mg/Kg	☼	10/28/15 01:21	1
bis (2-chloroisopropyl) ether	0.35	U	1.7	0.35	0.16	mg/Kg	☼	10/28/15 01:21	1
Bis(2-ethylhexyl) phthalate	**0.47**	**J**	1.7	0.35	0.15	mg/Kg	☼	10/28/15 01:21	1
4-Bromophenyl phenyl ether	0.35	U	1.7	0.35	0.19	mg/Kg	☼	10/28/15 01:21	1
Butyl benzyl phthalate	0.35	U	1.7	0.35	0.13	mg/Kg	☼	10/28/15 01:21	1
Caprolactam	0.88	U	1.7	0.88	0.34	mg/Kg	☼	10/28/15 01:21	1
Carbazole	0.35	U	1.7	0.35	0.16	mg/Kg	☼	10/28/15 01:21	1
4-Chloroaniline	0.88	U	3.4	0.88	0.27	mg/Kg	☼	10/28/15 01:21	1
4-Chloro-3-methylphenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/28/15 01:21	1
2-Chloronaphthalene	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/28/15 01:21	1
2-Chlorophenol	0.35	U	1.7	0.35	0.21	mg/Kg	☼	10/28/15 01:21	1
4-Chlorophenyl phenyl ether	0.35	U	1.7	0.35	0.23	mg/Kg	☼	10/28/15 01:21	1
Dibenzofuran	0.35	U	1.7	0.35	0.17	mg/Kg	☼	10/28/15 01:21	1
3,3'-Dichlorobenzidine	0.35	U	3.4	0.35	0.15	mg/Kg	☼	10/28/15 01:21	1
2,4-Dichlorophenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/28/15 01:21	1
Diethyl phthalate	0.35	U	1.7	0.35	0.19	mg/Kg	☼	10/28/15 01:21	1
2,4-Dimethylphenol	0.88	U	1.7	0.88	0.23	mg/Kg	☼	10/28/15 01:21	1
Dimethyl phthalate	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/28/15 01:21	1
Di-n-butyl phthalate	0.35	U	1.7	0.35	0.16	mg/Kg	☼	10/28/15 01:21	1
2-Methyl-4,6-dinitrophenol	1.7	U	8.8	1.7	0.88	mg/Kg	☼	10/28/15 01:21	1
2,4-Dinitrophenol	6.7	U	8.8	6.7	4.3	mg/Kg	☼	10/28/15 01:21	1
2,4-Dinitrotoluene	0.88	U	1.7	0.88	0.25	mg/Kg	☼	10/28/15 01:21	1
2,6-Dinitrotoluene	0.35	U	1.7	0.35	0.22	mg/Kg	☼	10/28/15 01:21	1
Di-n-octyl phthalate	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/28/15 01:21	1
1,4-Dioxane	1.7	U	1.7	1.7	0.62	mg/Kg	☼	10/28/15 01:21	1

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid
Percent Solids: 89.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobenzene	0.35	U	1.7	0.35	0.20	mg/Kg	☼	10/28/15 01:21	1
Hexachlorobutadiene	0.35	U	1.7	0.35	0.19	mg/Kg	☼	10/28/15 01:21	1
Hexachlorocyclopentadiene	0.35	U	1.7	0.35	0.21	mg/Kg	☼	10/28/15 01:21	1
Hexachloroethane	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/28/15 01:21	1
Isophorone	0.35	U	1.7	0.35	0.17	mg/Kg	☼	10/28/15 01:21	1
2-Methylphenol	0.35	U	1.7	0.35	0.14	mg/Kg	☼	10/28/15 01:21	1
3 & 4 Methylphenol	0.35	U	1.7	0.35	0.22	mg/Kg	☼	10/28/15 01:21	1
2-Nitroaniline	0.35	U	8.8	0.35	0.23	mg/Kg	☼	10/28/15 01:21	1
3-Nitroaniline	0.88	U	8.8	0.88	0.24	mg/Kg	☼	10/28/15 01:21	1
4-Nitroaniline	0.88	U	8.8	0.88	0.25	mg/Kg	☼	10/28/15 01:21	1
Nitrobenzene	0.35	U	1.7	0.35	0.13	mg/Kg	☼	10/28/15 01:21	1
2-Nitrophenol	0.35	U	1.7	0.35	0.21	mg/Kg	☼	10/28/15 01:21	1
4-Nitrophenol	3.5	U	8.8	3.5	1.7	mg/Kg	☼	10/28/15 01:21	1
N-Nitrosodi-n-propylamine	0.35	U	1.7	0.35	0.17	mg/Kg	☼	10/28/15 01:21	1
N-Nitrosodiphenylamine	0.43	U	1.7	0.43	0.17	mg/Kg	☼	10/28/15 01:21	1
Pentachlorophenol	3.5	U	8.8	3.5	1.7	mg/Kg	☼	10/28/15 01:21	1
Phenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/28/15 01:21	1
1,2,4,5-Tetrachlorobenzene	0.35	U	1.7	0.35	0.16	mg/Kg	☼	10/28/15 01:21	1
2,3,4,6-Tetrachlorophenol	0.35	U	1.7	0.35	0.11	mg/Kg	☼	10/28/15 01:21	1
2,4,5-Trichlorophenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	10/28/15 01:21	1
2,4,6-Trichlorophenol	0.35	U	1.7	0.35	0.15	mg/Kg	☼	10/28/15 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/22/15 12:12*	*10/28/15 01:21*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/22/15 12:12*	*10/28/15 01:21*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 130*	*10/22/15 12:12*	*10/28/15 01:21*	*1*
Phenol-d5 (Surr)	*60*		*49 - 130*	*10/22/15 12:12*	*10/28/15 01:21*	*1*
Terphenyl-d14 (Surr)	*67*		*60 - 130*	*10/22/15 12:12*	*10/28/15 01:21*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*10/22/15 12:12*	*10/28/15 01:21*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**14000**	**D**	90	18	2.8	mg/Kg	☼	10/24/15 17:51	10
Antimony	**0.21**	**J D**	1.8	0.67	0.063	mg/Kg	☼	10/24/15 17:51	10
Arsenic	**5.5**	**D**	4.5	0.67	0.12	mg/Kg	☼	10/24/15 17:51	10
Barium	**21**	**D**	4.5	1.3	0.99	mg/Kg	☼	10/24/15 17:51	10
Beryllium	**0.23**	**J D**	0.90	0.45	0.049	mg/Kg	☼	10/24/15 17:51	10
Cadmium	**0.23**	**J D**	1.8	0.045	0.017	mg/Kg	☼	10/24/15 17:51	10
Calcium	**94000**	**D**	9000	2200	490	mg/Kg	☼	10/26/15 15:26	50
Chromium	**410**	**D**	4.5	2.0	0.27	mg/Kg	☼	10/24/15 17:51	10
Cobalt	**39**	**D**	0.90	0.067	0.0076	mg/Kg	☼	10/24/15 17:51	10
Copper	**30**	**D**	3.6	1.3	0.44	mg/Kg	☼	10/24/15 17:51	10
Iron	**35000**	**D**	450	130	14	mg/Kg	☼	10/24/15 17:51	10
Lead	**25**	**D**	2.7	0.90	0.20	mg/Kg	☼	10/24/15 17:51	10
Magnesium	**39000**	**D**	900	110	18	mg/Kg	☼	10/24/15 17:51	10
Manganese	**540**	**D**	4.5	1.8	0.54	mg/Kg	☼	10/24/15 17:51	10
Nickel	**800**	**D**	4.5	1.1	0.18	mg/Kg	☼	10/24/15 17:51	10
Potassium	**1200**	**D**	900	45	22	mg/Kg	☼	10/24/15 17:51	10
Selenium	**0.48**	**J D**	4.5	0.27	0.18	mg/Kg	☼	10/24/15 17:51	10
Silver	**0.053**	**J D**	0.90	0.22	0.0063	mg/Kg	☼	10/24/15 17:51	10

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid
Percent Solids: 89.7

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sodium	**290**	**J D**	900	180	39	mg/Kg	☼	10/24/15 17:51	10
Thallium	0.67	U	1.8	0.67	0.085	mg/Kg	☼	10/24/15 17:51	10
V	**78**	**D**	4.5	0.45	0.17	mg/Kg	☼	10/24/15 17:51	10
Zinc	**73**	**D**	36	9.0	2.2	mg/Kg	☼	10/24/15 17:51	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.39**		0.13	0.042	0.018	mg/Kg	☼	10/23/15 17:17	1

Client Sample ID: AOPSM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30

Matrix: Solid
Percent Solids: 79.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Acenaphthylene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Benzo[a]anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Benzo[a]pyrene	0.11	U	0.22	0.11	0.039	mg/Kg	☼	10/27/15 20:10	5
Benzo[b]fluoranthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Benzo[g,h,i]perylene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Benzo[k]fluoranthene	0.11	U	0.22	0.11	0.065	mg/Kg	☼	10/27/15 20:10	5
Chrysene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Fluoranthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Fluorene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Indeno[1,2,3-cd]pyrene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Dibenz(a,h)anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Naphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
Phenanthrene	0.11	U	0.22	0.11	0.078	mg/Kg	☼	10/27/15 20:10	5
Pyrene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5
1-Methylnaphthalene	0.11	U	0.22	0.11	0.10	mg/Kg	☼	10/27/15 20:10	5
2-Methylnaphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*36 - 131*	*10/22/15 11:40*	*10/27/15 20:10*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/28/15 01:46	1
Atrazine	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/28/15 01:46	1
Benzaldehyde	1.1	U Q	2.0	1.1	0.36	mg/Kg	☼	10/28/15 01:46	1
1,1'-Biphenyl	11	U	11	11	11	mg/Kg	☼	10/28/15 01:46	1
Bis(2-chloroethoxy)methane	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/28/15 01:46	1
Bis(2-chloroethyl)ether	1.1	U	2.0	1.1	0.28	mg/Kg	☼	10/28/15 01:46	1
bis (2-chloroisopropyl) ether	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/28/15 01:46	1
Bis(2-ethylhexyl) phthalate	**0.49**	**J**	2.0	0.41	0.18	mg/Kg	☼	10/28/15 01:46	1
4-Bromophenyl phenyl ether	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 01:46	1
Butyl benzyl phthalate	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/28/15 01:46	1
Caprolactam	1.1	U	2.0	1.1	0.41	mg/Kg	☼	10/28/15 01:46	1

Client Sample ID: AOPSM801
Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30
Matrix: Solid
Percent Solids: 79.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbazole	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/28/15 01:46	1
4-Chloroaniline	1.1	U	4.1	1.1	0.32	mg/Kg	☼	10/28/15 01:46	1
4-Chloro-3-methylphenol	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 01:46	1
2-Chloronaphthalene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 01:46	1
2-Chlorophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/28/15 01:46	1
4-Chlorophenyl phenyl ether	0.41	U	2.0	0.41	0.27	mg/Kg	☼	10/28/15 01:46	1
Dibenzofuran	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/28/15 01:46	1
3,3'-Dichlorobenzidine	0.41	U	4.1	0.41	0.17	mg/Kg	☼	10/28/15 01:46	1
2,4-Dichlorophenol	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 01:46	1
Diethyl phthalate	0.41	U	2.0	0.41	0.23	mg/Kg	☼	10/28/15 01:46	1
2,4-Dimethylphenol	1.1	U	2.0	1.1	0.27	mg/Kg	☼	10/28/15 01:46	1
Dimethyl phthalate	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 01:46	1
Di-n-butyl phthalate	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/28/15 01:46	1
2-Methyl-4,6-dinitrophenol	2.0	U	11	2.0	1.1	mg/Kg	☼	10/28/15 01:46	1
2,4-Dinitrophenol	8.0	U	11	8.0	5.1	mg/Kg	☼	10/28/15 01:46	1
2,4-Dinitrotoluene	1.1	U	2.0	1.1	0.30	mg/Kg	☼	10/28/15 01:46	1
2,6-Dinitrotoluene	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/28/15 01:46	1
Di-n-octyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/28/15 01:46	1
1,4-Dioxane	2.0	U	2.0	2.0	0.74	mg/Kg	☼	10/28/15 01:46	1
Hexachlorobenzene	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/28/15 01:46	1
Hexachlorobutadiene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 01:46	1
Hexachlorocyclopentadiene	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/28/15 01:46	1
Hexachloroethane	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/28/15 01:46	1
Isophorone	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/28/15 01:46	1
2-Methylphenol	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/28/15 01:46	1
3 & 4 Methylphenol	0.41	U	2.0	0.41	0.27	mg/Kg	☼	10/28/15 01:46	1
2-Nitroaniline	0.41	U	11	0.41	0.28	mg/Kg	☼	10/28/15 01:46	1
3-Nitroaniline	1.1	U	11	1.1	0.28	mg/Kg	☼	10/28/15 01:46	1
4-Nitroaniline	1.1	U	11	1.1	0.30	mg/Kg	☼	10/28/15 01:46	1
Nitrobenzene	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/28/15 01:46	1
2-Nitrophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/28/15 01:46	1
4-Nitrophenol	4.1	U	11	4.1	2.0	mg/Kg	☼	10/28/15 01:46	1
N-Nitrosodi-n-propylamine	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/28/15 01:46	1
N-Nitrosodiphenylamine	0.51	U	2.0	0.51	0.20	mg/Kg	☼	10/28/15 01:46	1
Pentachlorophenol	4.1	U	11	4.1	2.0	mg/Kg	☼	10/28/15 01:46	1
Phenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/28/15 01:46	1
1,2,4,5-Tetrachlorobenzene	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/28/15 01:46	1
2,3,4,6-Tetrachlorophenol	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/28/15 01:46	1
2,4,5-Trichlorophenol	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/28/15 01:46	1
2,4,6-Trichlorophenol	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/28/15 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*58 - 130*	*10/22/15 12:12*	*10/28/15 01:46*	*1*
2-Fluorophenol (Surr)	*54*		*40 - 130*	*10/22/15 12:12*	*10/28/15 01:46*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*10/22/15 12:12*	*10/28/15 01:46*	*1*
Phenol-d5 (Surr)	*58*		*49 - 130*	*10/22/15 12:12*	*10/28/15 01:46*	*1*
Terphenyl-d14 (Surr)	*59*	*Q*	*60 - 130*	*10/22/15 12:12*	*10/28/15 01:46*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*	*10/22/15 12:12*	*10/28/15 01:46*	*1*

Client Sample ID: AOPSM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30

Matrix: Solid
Percent Solids: 79.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 06:32	1
Atrazine	0.40	U H	2.0	0.40	0.14	mg/Kg	☼	11/04/15 06:32	1
Benzaldehyde	1.0	U H	2.0	1.0	0.34	mg/Kg	☼	11/04/15 06:32	1
1,1'-Biphenyl	10	U H	10	10	10	mg/Kg	☼	11/04/15 06:32	1
Bis(2-chloroethoxy)methane	0.40	U H	2.0	0.40	0.23	mg/Kg	☼	11/04/15 06:32	1
Bis(2-chloroethyl)ether	1.0	U H	2.0	1.0	0.27	mg/Kg	☼	11/04/15 06:32	1
bis (2-chloroisopropyl) ether	0.40	U H	2.0	0.40	0.18	mg/Kg	☼	11/04/15 06:32	1
Bis(2-ethylhexyl) phthalate	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 06:32	1
4-Bromophenyl phenyl ether	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 06:32	1
Butyl benzyl phthalate	0.40	U H	2.0	0.40	0.15	mg/Kg	☼	11/04/15 06:32	1
Caprolactam	1.0	U H	2.0	1.0	0.39	mg/Kg	☼	11/04/15 06:32	1
Carbazole	0.40	U H	2.0	0.40	0.18	mg/Kg	☼	11/04/15 06:32	1
4-Chloroaniline	1.0	U H	3.9	1.0	0.31	mg/Kg	☼	11/04/15 06:32	1
4-Chloro-3-methylphenol	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 06:32	1
2-Chloronaphthalene	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 06:32	1
2-Chlorophenol	0.40	U H	2.0	0.40	0.24	mg/Kg	☼	11/04/15 06:32	1
4-Chlorophenyl phenyl ether	0.40	U H	2.0	0.40	0.26	mg/Kg	☼	11/04/15 06:32	1
Dibenzofuran	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 06:32	1
3,3'-Dichlorobenzidine	0.40	U H	3.9	0.40	0.17	mg/Kg	☼	11/04/15 06:32	1
2,4-Dichlorophenol	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 06:32	1
Diethyl phthalate	0.40	U H	2.0	0.40	0.22	mg/Kg	☼	11/04/15 06:32	1
2,4-Dimethylphenol	1.0	U H	2.0	1.0	0.26	mg/Kg	☼	11/04/15 06:32	1
Dimethyl phthalate	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 06:32	1
Di-n-butyl phthalate	0.40	U H	2.0	0.40	0.18	mg/Kg	☼	11/04/15 06:32	1
2-Methyl-4,6-dinitrophenol	2.0	U H	10	2.0	1.0	mg/Kg	☼	11/04/15 06:32	1
2,4-Dinitrophenol	7.7	U H	10	7.7	4.9	mg/Kg	☼	11/04/15 06:32	1
2,4-Dinitrotoluene	1.0	U H	2.0	1.0	0.29	mg/Kg	☼	11/04/15 06:32	1
2,6-Dinitrotoluene	0.40	U H	2.0	0.40	0.25	mg/Kg	☼	11/04/15 06:32	1
Di-n-octyl phthalate	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 06:32	1
1,4-Dioxane	2.0	U H	2.0	2.0	0.71	mg/Kg	☼	11/04/15 06:32	1
Hexachlorobenzene	0.40	U H	2.0	0.40	0.23	mg/Kg	☼	11/04/15 06:32	1
Hexachlorobutadiene	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 06:32	1
Hexachlorocyclopentadiene	0.40	U H	2.0	0.40	0.24	mg/Kg	☼	11/04/15 06:32	1
Hexachloroethane	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 06:32	1
Isophorone	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 06:32	1
2-Methylphenol	0.40	U H	2.0	0.40	0.16	mg/Kg	☼	11/04/15 06:32	1
3 & 4 Methylphenol	0.40	U H	2.0	0.40	0.25	mg/Kg	☼	11/04/15 06:32	1
2-Nitroaniline	0.40	U H	10	0.40	0.27	mg/Kg	☼	11/04/15 06:32	1
3-Nitroaniline	1.0	U H	10	1.0	0.27	mg/Kg	☼	11/04/15 06:32	1
4-Nitroaniline	1.0	U H	10	1.0	0.29	mg/Kg	☼	11/04/15 06:32	1
Nitrobenzene	0.40	U H	2.0	0.40	0.15	mg/Kg	☼	11/04/15 06:32	1
2-Nitrophenol	0.40	U H	2.0	0.40	0.24	mg/Kg	☼	11/04/15 06:32	1
4-Nitrophenol	4.0	U H	10	4.0	2.0	mg/Kg	☼	11/04/15 06:32	1
N-Nitrosodi-n-propylamine	0.40	U H	2.0	0.40	0.19	mg/Kg	☼	11/04/15 06:32	1
N-Nitrosodiphenylamine	0.49	U H	2.0	0.49	0.20	mg/Kg	☼	11/04/15 06:32	1
Pentachlorophenol	4.0	U H	10	4.0	2.0	mg/Kg	☼	11/04/15 06:32	1
Phenol	0.40	U H	2.0	0.40	0.20	mg/Kg	☼	11/04/15 06:32	1
1,2,4,5-Tetrachlorobenzene	0.40	U H	2.0	0.40	0.18	mg/Kg	☼	11/04/15 06:32	1
2,3,4,6-Tetrachlorophenol	0.40	U H	2.0	0.40	0.13	mg/Kg	☼	11/04/15 06:32	1

Client Sample ID: AOPSM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30

Matrix: Solid
Percent Solids: 79.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.40	U H	2.0	0.40	0.21	mg/Kg	☼	11/04/15 06:32	1
2,4,6-Trichlorophenol	0.40	U H	2.0	0.40	0.17	mg/Kg	☼	11/04/15 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*58 - 130*	*11/02/15 11:31*	*11/04/15 06:32*	*1*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*11/02/15 11:31*	*11/04/15 06:32*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*	*11/02/15 11:31*	*11/04/15 06:32*	*1*
Phenol-d5 (Surr)	*61*		*49 - 130*	*11/02/15 11:31*	*11/04/15 06:32*	*1*
Terphenyl-d14 (Surr)	*74*		*60 - 130*	*11/02/15 11:31*	*11/04/15 06:32*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*	*11/02/15 11:31*	*11/04/15 06:32*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**13000**	**D**	100	20	3.1	mg/Kg	☼	10/24/15 17:54	10
Antimony	**0.29**	**J D**	2.0	0.76	0.071	mg/Kg	☼	10/24/15 17:54	10
Arsenic	**3.3**	**J D**	5.1	0.76	0.13	mg/Kg	☼	10/24/15 17:54	10
Barium	**31**	**D**	5.1	1.5	1.1	mg/Kg	☼	10/24/15 17:54	10
Beryllium	**0.24**	**J D**	1.0	0.51	0.056	mg/Kg	☼	10/24/15 17:54	10
Cadmium	**0.36**	**J D**	2.0	0.051	0.019	mg/Kg	☼	10/24/15 17:54	10
Calcium	**44000**	**D**	2000	510	110	mg/Kg	☼	10/24/15 17:54	10
Chromium	**390**	**D**	5.1	2.3	0.30	mg/Kg	☼	10/24/15 17:54	10
Cobalt	**39**	**D**	1.0	0.076	0.0086	mg/Kg	☼	10/24/15 17:54	10
Copper	**35**	**D**	4.0	1.5	0.49	mg/Kg	☼	10/24/15 17:54	10
Iron	**35000**	**D**	510	150	16	mg/Kg	☼	10/24/15 17:54	10
Lead	**73**	**D**	3.0	1.0	0.23	mg/Kg	☼	10/24/15 17:54	10
Magnesium	**38000**	**D**	1000	130	20	mg/Kg	☼	10/24/15 17:54	10
Manganese	**570**	**D**	5.1	2.0	0.61	mg/Kg	☼	10/24/15 17:54	10
Nickel	**860**	**D**	5.1	1.3	0.20	mg/Kg	☼	10/24/15 17:54	10
Potassium	**1400**	**D**	1000	51	25	mg/Kg	☼	10/24/15 17:54	10
Selenium	**0.43**	**J D**	5.1	0.30	0.20	mg/Kg	☼	10/24/15 17:54	10
Silver	**0.40**	**J D**	1.0	0.25	0.0071	mg/Kg	☼	10/24/15 17:54	10
Sodium	**180**	**J D**	1000	200	44	mg/Kg	☼	10/24/15 17:54	10
Thallium	0.76	U	2.0	0.76	0.096	mg/Kg	☼	10/24/15 17:54	10
V	**79**	**D**	5.1	0.51	0.19	mg/Kg	☼	10/24/15 17:54	10
Zinc	**160**	**D**	40	10	2.5	mg/Kg	☼	10/24/15 17:54	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.43**		0.12	0.041	0.017	mg/Kg	☼	10/23/15 17:19	1

Client Sample ID: AOPCM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31

Matrix: Solid
Percent Solids: 79.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Acenaphthylene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Benzo[a]anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5

Client Sample ID: AOPCM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31

Matrix: Solid
Percent Solids: 79.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzo[a]pyrene	0.11	U	0.22	0.11	0.039	mg/Kg	☼	10/27/15 20:34	5
Benzo[b]fluoranthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Benzo[g,h,i]perylene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Benzo[k]fluoranthene	0.11	U	0.22	0.11	0.065	mg/Kg	☼	10/27/15 20:34	5
Chrysene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Fluoranthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Fluorene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Indeno[1,2,3-cd]pyrene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Dibenz(a,h)anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Naphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
Phenanthrene	0.11	U	0.22	0.11	0.078	mg/Kg	☼	10/27/15 20:34	5
Pyrene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5
1-Methylnaphthalene	0.11	U	0.22	0.11	0.10	mg/Kg	☼	10/27/15 20:34	5
2-Methylnaphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/27/15 20:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*36 - 131*	*10/22/15 11:40*	*10/27/15 20:34*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.42	U	2.0	0.42	0.17	mg/Kg	☼	10/28/15 19:36	1
Atrazine	0.42	U	2.0	0.42	0.14	mg/Kg	☼	10/28/15 19:36	1
Benzaldehyde	1.1	U	2.0	1.1	0.36	mg/Kg	☼	10/28/15 19:36	1
1,1'-Biphenyl	11	U	11	11	11	mg/Kg	☼	10/28/15 19:36	1
Bis(2-chloroethoxy)methane	0.42	U	2.0	0.42	0.24	mg/Kg	☼	10/28/15 19:36	1
Bis(2-chloroethyl)ether	1.1	U	2.0	1.1	0.28	mg/Kg	☼	10/28/15 19:36	1
bis (2-chloroisopropyl) ether	0.42	U	2.0	0.42	0.19	mg/Kg	☼	10/28/15 19:36	1
Bis(2-ethylhexyl) phthalate	**0.46**	**J**	2.0	0.42	0.18	mg/Kg	☼	10/28/15 19:36	1
4-Bromophenyl phenyl ether	0.42	U	2.0	0.42	0.22	mg/Kg	☼	10/28/15 19:36	1
Butyl benzyl phthalate	0.42	U	2.0	0.42	0.16	mg/Kg	☼	10/28/15 19:36	1
Caprolactam	1.1	U	2.0	1.1	0.41	mg/Kg	☼	10/28/15 19:36	1
Carbazole	0.42	U	2.0	0.42	0.19	mg/Kg	☼	10/28/15 19:36	1
4-Chloroaniline	1.1	U	4.1	1.1	0.32	mg/Kg	☼	10/28/15 19:36	1
4-Chloro-3-methylphenol	0.42	U	2.0	0.42	0.22	mg/Kg	☼	10/28/15 19:36	1
2-Chloronaphthalene	0.42	U	2.0	0.42	0.22	mg/Kg	☼	10/28/15 19:36	1
2-Chlorophenol	0.42	U	2.0	0.42	0.25	mg/Kg	☼	10/28/15 19:36	1
4-Chlorophenyl phenyl ether	0.42	U	2.0	0.42	0.27	mg/Kg	☼	10/28/15 19:36	1
Dibenzofuran	0.42	U	2.0	0.42	0.20	mg/Kg	☼	10/28/15 19:36	1
3,3'-Dichlorobenzidine	0.42	U	4.1	0.42	0.17	mg/Kg	☼	10/28/15 19:36	1
2,4-Dichlorophenol	0.42	U	2.0	0.42	0.22	mg/Kg	☼	10/28/15 19:36	1
Diethyl phthalate	0.42	U	2.0	0.42	0.23	mg/Kg	☼	10/28/15 19:36	1
2,4-Dimethylphenol	1.1	U	2.0	1.1	0.27	mg/Kg	☼	10/28/15 19:36	1
Dimethyl phthalate	0.42	U	2.0	0.42	0.21	mg/Kg	☼	10/28/15 19:36	1
Di-n-butyl phthalate	0.42	U	2.0	0.42	0.19	mg/Kg	☼	10/28/15 19:36	1
2-Methyl-4,6-dinitrophenol	2.0	U	11	2.0	1.1	mg/Kg	☼	10/28/15 19:36	1
2,4-Dinitrophenol	8.1	U	11	8.1	5.1	mg/Kg	☼	10/28/15 19:36	1
2,4-Dinitrotoluene	1.1	U	2.0	1.1	0.30	mg/Kg	☼	10/28/15 19:36	1
2,6-Dinitrotoluene	0.42	U	2.0	0.42	0.26	mg/Kg	☼	10/28/15 19:36	1
Di-n-octyl phthalate	0.42	U	2.0	0.42	0.18	mg/Kg	☼	10/28/15 19:36	1
1,4-Dioxane	2.0	U	2.0	2.0	0.74	mg/Kg	☼	10/28/15 19:36	1

Client Sample ID: AOPCM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31

Matrix: Solid
Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobenzene	0.42	U	2.0	0.42	0.24	mg/Kg	☼	10/28/15 19:36	1
Hexachlorobutadiene	0.42	U	2.0	0.42	0.22	mg/Kg	☼	10/28/15 19:36	1
Hexachlorocyclopentadiene	0.42	U	2.0	0.42	0.25	mg/Kg	☼	10/28/15 19:36	1
Hexachloroethane	0.42	U	2.0	0.42	0.17	mg/Kg	☼	10/28/15 19:36	1
Isophorone	0.42	U	2.0	0.42	0.20	mg/Kg	☼	10/28/15 19:36	1
2-Methylphenol	0.42	U	2.0	0.42	0.17	mg/Kg	☼	10/28/15 19:36	1
3 & 4 Methylphenol	0.42	U	2.0	0.42	0.27	mg/Kg	☼	10/28/15 19:36	1
2-Nitroaniline	0.42	U	11	0.42	0.28	mg/Kg	☼	10/28/15 19:36	1
3-Nitroaniline	1.1	U	11	1.1	0.29	mg/Kg	☼	10/28/15 19:36	1
4-Nitroaniline	1.1	U	11	1.1	0.30	mg/Kg	☼	10/28/15 19:36	1
Nitrobenzene	0.42	U	2.0	0.42	0.16	mg/Kg	☼	10/28/15 19:36	1
2-Nitrophenol	0.42	U	2.0	0.42	0.25	mg/Kg	☼	10/28/15 19:36	1
4-Nitrophenol	4.2	U	11	4.2	2.0	mg/Kg	☼	10/28/15 19:36	1
N-Nitrosodi-n-propylamine	0.42	U	2.0	0.42	0.20	mg/Kg	☼	10/28/15 19:36	1
N-Nitrosodiphenylamine	0.51	U	2.0	0.51	0.20	mg/Kg	☼	10/28/15 19:36	1
Pentachlorophenol	4.2	U	11	4.2	2.0	mg/Kg	☼	10/28/15 19:36	1
Phenol	0.42	U	2.0	0.42	0.21	mg/Kg	☼	10/28/15 19:36	1
1,2,4,5-Tetrachlorobenzene	0.42	U	2.0	0.42	0.19	mg/Kg	☼	10/28/15 19:36	1
2,3,4,6-Tetrachlorophenol	0.42	U	2.0	0.42	0.14	mg/Kg	☼	10/28/15 19:36	1
2,4,5-Trichlorophenol	0.42	U	2.0	0.42	0.22	mg/Kg	☼	10/28/15 19:36	1
2,4,6-Trichlorophenol	0.42	U	2.0	0.42	0.18	mg/Kg	☼	10/28/15 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/22/15 12:12*	*10/28/15 19:36*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/22/15 12:12*	*10/28/15 19:36*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/22/15 12:12*	*10/28/15 19:36*	*1*
Phenol-d5 (Surr)	*66*		*49 - 130*	*10/22/15 12:12*	*10/28/15 19:36*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*10/22/15 12:12*	*10/28/15 19:36*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*58 - 130*	*10/22/15 12:12*	*10/28/15 19:36*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**12000**	**D**	120	24	3.7	mg/Kg	☼	10/24/15 17:58	10
Antimony	**0.24**	**J D**	2.4	0.90	0.084	mg/Kg	☼	10/24/15 17:58	10
Arsenic	**3.0**	**J D**	6.0	0.90	0.16	mg/Kg	☼	10/24/15 17:58	10
Barium	**30**	**D**	6.0	1.8	1.3	mg/Kg	☼	10/24/15 17:58	10
Beryllium	**0.20**	**J D**	1.2	0.60	0.066	mg/Kg	☼	10/24/15 17:58	10
Cadmium	**0.32**	**J D**	2.4	0.060	0.022	mg/Kg	☼	10/24/15 17:58	10
Calcium	**35000**	**D**	2400	600	130	mg/Kg	☼	10/24/15 17:58	10
Chromium	**380**	**D**	6.0	2.7	0.36	mg/Kg	☼	10/24/15 17:58	10
Cobalt	**40**	**D**	1.2	0.090	0.010	mg/Kg	☼	10/24/15 17:58	10
Copper	**35**	**D**	4.8	1.8	0.58	mg/Kg	☼	10/24/15 17:58	10
Iron	**33000**	**D**	600	180	19	mg/Kg	☼	10/24/15 17:58	10
Lead	**76**	**D**	3.6	1.2	0.27	mg/Kg	☼	10/24/15 17:58	10
Magnesium	**38000**	**D**	1200	150	24	mg/Kg	☼	10/24/15 17:58	10
Manganese	**570**	**D**	6.0	2.4	0.72	mg/Kg	☼	10/24/15 17:58	10
Nickel	**870**	**D**	6.0	1.5	0.23	mg/Kg	☼	10/24/15 17:58	10
Potassium	**1300**	**D**	1200	60	29	mg/Kg	☼	10/24/15 17:58	10
Selenium	**0.43**	**J D**	6.0	0.36	0.24	mg/Kg	☼	10/24/15 17:58	10
Silver	**0.34**	**J D**	1.2	0.30	0.0084	mg/Kg	☼	10/24/15 17:58	10

Client Sample ID: AOPCM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31

Matrix: Solid
Percent Solids: 79.3

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sodium	**150**	**J D**	1200	240	52	mg/Kg	☼	10/24/15 17:58	10
Thallium	0.90	U	2.4	0.90	0.11	mg/Kg	☼	10/24/15 17:58	10
V	**70**	**D**	6.0	0.60	0.22	mg/Kg	☼	10/24/15 17:58	10
Zinc	**160**	**D**	48	12	3.0	mg/Kg	☼	10/24/15 17:58	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.80**		0.13	0.042	0.018	mg/Kg	☼	10/23/15 17:21	1

Client Sample ID: AOPSM701

Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32

Matrix: Solid
Percent Solids: 80.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Acenaphthylene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Anthracene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Benzo[a]anthracene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Benzo[a]pyrene	**0.055**	**J D**	0.21	0.10	0.037	mg/Kg	☼	10/27/15 20:59	5
Benzo[b]fluoranthene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Benzo[g,h,i]perylene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Benzo[k]fluoranthene	**0.075**	**J D**	0.21	0.10	0.061	mg/Kg	☼	10/27/15 20:59	5
Chrysene	0.21	U M	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Fluoranthene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Fluorene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Indeno[1,2,3-cd]pyrene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Dibenz(a,h)anthracene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Naphthalene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
Phenanthrene	0.10	U	0.21	0.10	0.074	mg/Kg	☼	10/27/15 20:59	5
Pyrene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5
1-Methylnaphthalene	0.10	U	0.21	0.10	0.095	mg/Kg	☼	10/27/15 20:59	5
2-Methylnaphthalene	0.21	U	0.21	0.21	0.10	mg/Kg	☼	10/27/15 20:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*36 - 131*	*10/22/15 11:40*	*10/27/15 20:59*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/28/15 20:00	1
Atrazine	0.40	U	2.0	0.40	0.14	mg/Kg	☼	10/28/15 20:00	1
Benzaldehyde	1.0	U	2.0	1.0	0.35	mg/Kg	☼	10/28/15 20:00	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/28/15 20:00	1
Bis(2-chloroethoxy)methane	0.40	U	2.0	0.40	0.23	mg/Kg	☼	10/28/15 20:00	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/28/15 20:00	1
bis (2-chloroisopropyl) ether	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/28/15 20:00	1
Bis(2-ethylhexyl) phthalate	**0.38**	**J**	2.0	0.40	0.17	mg/Kg	☼	10/28/15 20:00	1
4-Bromophenyl phenyl ether	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/28/15 20:00	1
Butyl benzyl phthalate	0.40	U	2.0	0.40	0.16	mg/Kg	☼	10/28/15 20:00	1
Caprolactam	1.0	U	2.0	1.0	0.39	mg/Kg	☼	10/28/15 20:00	1

Client Sample ID: AOPSM701
Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32
Matrix: Solid
Percent Solids: 80.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbazole	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/28/15 20:00	1
4-Chloroaniline	1.0	U	3.9	1.0	0.31	mg/Kg	☼	10/28/15 20:00	1
4-Chloro-3-methylphenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/28/15 20:00	1
2-Chloronaphthalene	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/28/15 20:00	1
2-Chlorophenol	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/28/15 20:00	1
4-Chlorophenyl phenyl ether	0.40	U	2.0	0.40	0.26	mg/Kg	☼	10/28/15 20:00	1
Dibenzofuran	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/28/15 20:00	1
3,3'-Dichlorobenzidine	0.40	U	3.9	0.40	0.17	mg/Kg	☼	10/28/15 20:00	1
2,4-Dichlorophenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/28/15 20:00	1
Diethyl phthalate	0.40	U	2.0	0.40	0.22	mg/Kg	☼	10/28/15 20:00	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.26	mg/Kg	☼	10/28/15 20:00	1
Dimethyl phthalate	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/28/15 20:00	1
Di-n-butyl phthalate	0.40	U	2.0	0.40	0.18	mg/Kg	☼	10/28/15 20:00	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/28/15 20:00	1
2,4-Dinitrophenol	7.8	U	10	7.8	5.0	mg/Kg	☼	10/28/15 20:00	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	0.29	mg/Kg	☼	10/28/15 20:00	1
2,6-Dinitrotoluene	0.40	U	2.0	0.40	0.25	mg/Kg	☼	10/28/15 20:00	1
Di-n-octyl phthalate	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/28/15 20:00	1
1,4-Dioxane	2.0	U	2.0	2.0	0.72	mg/Kg	☼	10/28/15 20:00	1
Hexachlorobenzene	0.40	U	2.0	0.40	0.23	mg/Kg	☼	10/28/15 20:00	1
Hexachlorobutadiene	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/28/15 20:00	1
Hexachlorocyclopentadiene	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/28/15 20:00	1
Hexachloroethane	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/28/15 20:00	1
Isophorone	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/28/15 20:00	1
2-Methylphenol	0.40	U	2.0	0.40	0.16	mg/Kg	☼	10/28/15 20:00	1
3 & 4 Methylphenol	0.40	U	2.0	0.40	0.26	mg/Kg	☼	10/28/15 20:00	1
2-Nitroaniline	0.40	U	10	0.40	0.27	mg/Kg	☼	10/28/15 20:00	1
3-Nitroaniline	1.0	U	10	1.0	0.27	mg/Kg	☼	10/28/15 20:00	1
4-Nitroaniline	1.0	U	10	1.0	0.29	mg/Kg	☼	10/28/15 20:00	1
Nitrobenzene	0.40	U	2.0	0.40	0.16	mg/Kg	☼	10/28/15 20:00	1
2-Nitrophenol	0.40	U	2.0	0.40	0.24	mg/Kg	☼	10/28/15 20:00	1
4-Nitrophenol	4.0	U	10	4.0	2.0	mg/Kg	☼	10/28/15 20:00	1
N-Nitrosodi-n-propylamine	0.40	U	2.0	0.40	0.19	mg/Kg	☼	10/28/15 20:00	1
N-Nitrosodiphenylamine	0.50	U	2.0	0.50	0.20	mg/Kg	☼	10/28/15 20:00	1
Pentachlorophenol	4.0	U	10	4.0	2.0	mg/Kg	☼	10/28/15 20:00	1
Phenol	0.40	U	2.0	0.40	0.20	mg/Kg	☼	10/28/15 20:00	1
1,2,4,5-Tetrachlorobenzene	0.40	U	2.0	0.40	0.19	mg/Kg	☼	10/28/15 20:00	1
2,3,4,6-Tetrachlorophenol	0.40	U	2.0	0.40	0.13	mg/Kg	☼	10/28/15 20:00	1
2,4,5-Trichlorophenol	0.40	U	2.0	0.40	0.21	mg/Kg	☼	10/28/15 20:00	1
2,4,6-Trichlorophenol	0.40	U	2.0	0.40	0.17	mg/Kg	☼	10/28/15 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*58 - 130*	*10/22/15 12:12*	*10/28/15 20:00*	*1*
2-Fluorophenol (Surr)	*53*		*40 - 130*	*10/22/15 12:12*	*10/28/15 20:00*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*	*10/22/15 12:12*	*10/28/15 20:00*	*1*
Phenol-d5 (Surr)	*60*		*49 - 130*	*10/22/15 12:12*	*10/28/15 20:00*	*1*
Terphenyl-d14 (Surr)	*63*		*60 - 130*	*10/22/15 12:12*	*10/28/15 20:00*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*	*10/22/15 12:12*	*10/28/15 20:00*	*1*

Client Sample ID: AOPSM701

Lab Sample ID: 680-117942-32
Date Collected: 10/12/15 11:50
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 80.8

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**14000**	**D**	120	23	3.6	mg/Kg	☼	10/24/15 18:01	10
Antimony	**0.46**	**J D**	2.3	0.88	0.082	mg/Kg	☼	10/24/15 18:01	10
Arsenic	**4.5**	**J D**	5.8	0.88	0.15	mg/Kg	☼	10/24/15 18:01	10
Barium	**40**	**D**	5.8	1.8	1.3	mg/Kg	☼	10/24/15 18:01	10
Beryllium	**0.22**	**J D**	1.2	0.58	0.064	mg/Kg	☼	10/24/15 18:01	10
Cadmium	**0.39**	**J D**	2.3	0.058	0.022	mg/Kg	☼	10/24/15 18:01	10
Calcium	**28000**	**D**	2300	580	130	mg/Kg	☼	10/24/15 18:01	10
Chromium	**490**	**D**	5.8	2.6	0.35	mg/Kg	☼	10/24/15 18:01	10
Cobalt	**46**	**D**	1.2	0.088	0.0099	mg/Kg	☼	10/24/15 18:01	10
Copper	**42**	**D**	4.7	1.8	0.57	mg/Kg	☼	10/24/15 18:01	10
Iron	**38000**	**D**	580	180	19	mg/Kg	☼	10/24/15 18:01	10
Lead	**250**	**D**	3.5	1.2	0.26	mg/Kg	☼	10/24/15 18:01	10
Magnesium	**53000**	**D**	1200	150	23	mg/Kg	☼	10/24/15 18:01	10
Manganese	**580**	**D**	5.8	2.3	0.70	mg/Kg	☼	10/24/15 18:01	10
Nickel	**1100**	**D**	5.8	1.5	0.23	mg/Kg	☼	10/24/15 18:01	10
Potassium	**870**	**J D**	1200	58	29	mg/Kg	☼	10/24/15 18:01	10
Selenium	**0.43**	**J D**	5.8	0.35	0.23	mg/Kg	☼	10/24/15 18:01	10
Silver	**0.29**	**J D**	1.2	0.29	0.0082	mg/Kg	☼	10/24/15 18:01	10
Sodium	**75**	**J D**	1200	230	51	mg/Kg	☼	10/24/15 18:01	10
Thallium	0.88	U	2.3	0.88	0.11	mg/Kg	☼	10/24/15 18:01	10
V	**70**	**D**	5.8	0.58	0.22	mg/Kg	☼	10/24/15 18:01	10
Zinc	**170**	**D**	47	12	2.9	mg/Kg	☼	10/24/15 18:01	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.20**		0.13	0.043	0.018	mg/Kg	☼	10/23/15 17:28	1

Client Sample ID: AOPSL801

Lab Sample ID: 680-117942-33
Date Collected: 10/12/15 11:20
Matrix: Solid
Date Received: 10/17/15 09:55
Percent Solids: 86.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Acenaphthylene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Anthracene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Benzo[a]anthracene	**0.026**	**J**	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Benzo[a]pyrene	**0.029**	**J**	0.040	0.020	0.0072	mg/Kg	☼	10/27/15 20:19	1
Benzo[b]fluoranthene	**0.053**	**M**	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Benzo[g,h,i]perylene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Benzo[k]fluoranthene	**0.022**	**J M**	0.040	0.020	0.012	mg/Kg	☼	10/27/15 20:19	1
Chrysene	**0.040**		0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Fluoranthene	**0.072**		0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Fluorene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Indeno[1,2,3-cd]pyrene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Dibenz(a,h)anthracene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Naphthalene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
Phenanthrene	**0.033**	**J**	0.040	0.020	0.014	mg/Kg	☼	10/27/15 20:19	1
Pyrene	**0.047**		0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1
1-Methylnaphthalene	0.020	U	0.040	0.020	0.019	mg/Kg	☼	10/27/15 20:19	1

Client Sample ID: AOPSL801

Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33

Matrix: Solid
Percent Solids: 86.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Methylnaphthalene	0.040	U	0.040	0.040	0.020	mg/Kg	☼	10/27/15 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*36 - 131*	*10/22/15 11:40*	*10/27/15 20:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 20:24	1
Atrazine	0.38	U	1.9	0.38	0.13	mg/Kg	☼	10/28/15 20:24	1
Benzaldehyde	0.96	U	1.9	0.96	0.33	mg/Kg	☼	10/28/15 20:24	1
1,1'-Biphenyl	9.6	U	9.6	9.6	9.6	mg/Kg	☼	10/28/15 20:24	1
Bis(2-chloroethoxy)methane	0.38	U	1.9	0.38	0.22	mg/Kg	☼	10/28/15 20:24	1
Bis(2-chloroethyl)ether	0.96	U	1.9	0.96	0.25	mg/Kg	☼	10/28/15 20:24	1
bis (2-chloroisopropyl) ether	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/28/15 20:24	1
Bis(2-ethylhexyl) phthalate	**0.52**	**J**	1.9	0.38	0.16	mg/Kg	☼	10/28/15 20:24	1
4-Bromophenyl phenyl ether	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 20:24	1
Butyl benzyl phthalate	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/28/15 20:24	1
Caprolactam	0.96	U	1.9	0.96	0.37	mg/Kg	☼	10/28/15 20:24	1
Carbazole	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/28/15 20:24	1
4-Chloroaniline	0.96	U	3.7	0.96	0.29	mg/Kg	☼	10/28/15 20:24	1
4-Chloro-3-methylphenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 20:24	1
2-Chloronaphthalene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 20:24	1
2-Chlorophenol	0.38	U	1.9	0.38	0.22	mg/Kg	☼	10/28/15 20:24	1
4-Chlorophenyl phenyl ether	0.38	U	1.9	0.38	0.25	mg/Kg	☼	10/28/15 20:24	1
Dibenzofuran	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 20:24	1
3,3'-Dichlorobenzidine	0.38	U	3.7	0.38	0.16	mg/Kg	☼	10/28/15 20:24	1
2,4-Dichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 20:24	1
Diethyl phthalate	0.38	U	1.9	0.38	0.21	mg/Kg	☼	10/28/15 20:24	1
2,4-Dimethylphenol	0.96	U	1.9	0.96	0.25	mg/Kg	☼	10/28/15 20:24	1
Dimethyl phthalate	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 20:24	1
Di-n-butyl phthalate	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/28/15 20:24	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.6	1.9	0.96	mg/Kg	☼	10/28/15 20:24	1
2,4-Dinitrophenol	7.3	U	9.6	7.3	4.7	mg/Kg	☼	10/28/15 20:24	1
2,4-Dinitrotoluene	0.96	U	1.9	0.96	0.28	mg/Kg	☼	10/28/15 20:24	1
2,6-Dinitrotoluene	0.38	U	1.9	0.38	0.24	mg/Kg	☼	10/28/15 20:24	1
Di-n-octyl phthalate	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 20:24	1
1,4-Dioxane	1.9	U	1.9	1.9	0.67	mg/Kg	☼	10/28/15 20:24	1
Hexachlorobenzene	0.38	U	1.9	0.38	0.22	mg/Kg	☼	10/28/15 20:24	1
Hexachlorobutadiene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 20:24	1
Hexachlorocyclopentadiene	0.38	U	1.9	0.38	0.23	mg/Kg	☼	10/28/15 20:24	1
Hexachloroethane	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 20:24	1
Isophorone	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 20:24	1
2-Methylphenol	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/28/15 20:24	1
3 & 4 Methylphenol	0.38	U	1.9	0.38	0.24	mg/Kg	☼	10/28/15 20:24	1
2-Nitroaniline	0.38	U	9.6	0.38	0.25	mg/Kg	☼	10/28/15 20:24	1
3-Nitroaniline	0.96	U	9.6	0.96	0.26	mg/Kg	☼	10/28/15 20:24	1
4-Nitroaniline	0.96	U	9.6	0.96	0.28	mg/Kg	☼	10/28/15 20:24	1
Nitrobenzene	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/28/15 20:24	1
2-Nitrophenol	0.38	U	1.9	0.38	0.23	mg/Kg	☼	10/28/15 20:24	1
4-Nitrophenol	3.8	U	9.6	3.8	1.9	mg/Kg	☼	10/28/15 20:24	1

Client Sample ID: AOPSL801

Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33

Matrix: Solid
Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.38	U	1.9	0.38	0.18	mg/Kg	☼	10/28/15 20:24	1
N-Nitrosodiphenylamine	0.47	U	1.9	0.47	0.19	mg/Kg	☼	10/28/15 20:24	1
Pentachlorophenol	3.8	U	9.6	3.8	1.9	mg/Kg	☼	10/28/15 20:24	1
Phenol	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 20:24	1
1,2,4,5-Tetrachlorobenzene	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/28/15 20:24	1
2,3,4,6-Tetrachlorophenol	0.38	U	1.9	0.38	0.12	mg/Kg	☼	10/28/15 20:24	1
2,4,5-Trichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 20:24	1
2,4,6-Trichlorophenol	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*58 - 130*	*10/22/15 12:12*	*10/28/15 20:24*	*1*
2-Fluorophenol (Surr)	*54*		*40 - 130*	*10/22/15 12:12*	*10/28/15 20:24*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*	*10/22/15 12:12*	*10/28/15 20:24*	*1*
Phenol-d5 (Surr)	*58*		*49 - 130*	*10/22/15 12:12*	*10/28/15 20:24*	*1*
Terphenyl-d14 (Surr)	*64*		*60 - 130*	*10/22/15 12:12*	*10/28/15 20:24*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*58 - 130*	*10/22/15 12:12*	*10/28/15 20:24*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**27000**	**D**	110	22	3.4	mg/Kg	☼	10/27/15 12:43	10
Antimony	**0.25**	**J D**	2.2	0.82	0.077	mg/Kg	☼	10/27/15 12:43	10
Arsenic	**2.7**	**J D**	5.5	0.82	0.14	mg/Kg	☼	10/27/15 12:43	10
Barium	**46**	**D**	5.5	1.6	1.2	mg/Kg	☼	10/27/15 12:43	10
Beryllium	**0.43**	**J D**	1.1	0.55	0.060	mg/Kg	☼	10/27/15 12:43	10
Cadmium	**0.30**	**J D**	2.2	0.055	0.020	mg/Kg	☼	10/27/15 12:43	10
Calcium	**11000**	**D**	2200	550	120	mg/Kg	☼	10/27/15 12:43	10
Chromium	**560**	**D**	5.5	2.5	0.33	mg/Kg	☼	10/27/15 12:43	10
Cobalt	**76**	**D**	1.1	0.082	0.0093	mg/Kg	☼	10/27/15 12:43	10
Copper	**40**	**D**	4.4	1.6	0.53	mg/Kg	☼	10/27/15 12:43	10
Iron	**64000**	**D**	1100	330	35	mg/Kg	☼	10/27/15 16:01	20
Lead	**16**	**D**	3.3	1.1	0.25	mg/Kg	☼	10/27/15 12:43	10
Magnesium	**14000**	**D**	1100	140	22	mg/Kg	☼	10/27/15 12:43	10
Manganese	**1200**	**D**	5.5	2.2	0.66	mg/Kg	☼	10/27/15 12:43	10
Nickel	**1100**	**D**	5.5	1.4	0.21	mg/Kg	☼	10/27/15 12:43	10
Potassium	**1200**	**D**	1100	55	27	mg/Kg	☼	10/27/15 12:43	10
Selenium	**0.81**	**J D**	5.5	0.33	0.22	mg/Kg	☼	10/27/15 12:43	10
Silver	**0.067**	**J D**	1.1	0.27	0.0077	mg/Kg	☼	10/27/15 12:43	10
Sodium	**95**	**J D**	1100	220	48	mg/Kg	☼	10/27/15 12:43	10
Thallium	0.82	U	2.2	0.82	0.10	mg/Kg	☼	10/27/15 12:43	10
V	**130**	**D**	5.5	0.55	0.20	mg/Kg	☼	10/27/15 12:43	10
Zinc	**52**	**D**	44	11	2.7	mg/Kg	☼	10/27/15 12:43	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.056**	**J**	0.11	0.037	0.015	mg/Kg	☼	10/22/15 09:56	1

Client Sample ID: AOPSJ1001
Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34
Matrix: Solid
Percent Solids: 98.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.17	U	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Acenaphthylene	0.17	U	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Anthracene	0.17	U	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Benzo[a]anthracene	**0.35**	**D**	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Benzo[a]pyrene	**0.36**	**D**	0.17	0.083	0.030	mg/Kg	☼	10/27/15 19:30	5
Benzo[b]fluoranthene	**0.64**	**D M**	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Benzo[g,h,i]perylene	**0.21**	**D**	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Benzo[k]fluoranthene	**0.26**	**D M**	0.17	0.083	0.050	mg/Kg	☼	10/27/15 19:30	5
Chrysene	**0.50**	**D**	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Fluoranthene	**0.94**	**D**	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Fluorene	0.17	U	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Indeno[1,2,3-cd]pyrene	**0.20**	**D**	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Dibenz(a,h)anthracene	0.17	U	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Naphthalene	0.17	U	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
Phenanthrene	**0.45**	**D**	0.17	0.083	0.060	mg/Kg	☼	10/27/15 19:30	5
Pyrene	**0.63**	**D**	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5
1-Methylnaphthalene	0.083	U	0.17	0.083	0.078	mg/Kg	☼	10/27/15 19:30	5
2-Methylnaphthalene	0.17	U	0.17	0.17	0.083	mg/Kg	☼	10/27/15 19:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*36 - 131*	*10/22/15 11:40*	*10/27/15 19:30*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.32	U	1.6	0.32	0.14	mg/Kg	☼	10/28/15 20:48	1
Atrazine	0.32	U	1.6	0.32	0.11	mg/Kg	☼	10/28/15 20:48	1
Benzaldehyde	0.82	U	1.6	0.82	0.28	mg/Kg	☼	10/28/15 20:48	1
1,1'-Biphenyl	8.2	U	8.2	8.2	8.2	mg/Kg	☼	10/28/15 20:48	1
Bis(2-chloroethoxy)methane	0.32	U	1.6	0.32	0.19	mg/Kg	☼	10/28/15 20:48	1
Bis(2-chloroethyl)ether	0.82	U	1.6	0.82	0.22	mg/Kg	☼	10/28/15 20:48	1
bis (2-chloroisopropyl) ether	0.32	U	1.6	0.32	0.15	mg/Kg	☼	10/28/15 20:48	1
Bis(2-ethylhexyl) phthalate	**0.43**	**J**	1.6	0.32	0.14	mg/Kg	☼	10/28/15 20:48	1
4-Bromophenyl phenyl ether	0.32	U	1.6	0.32	0.17	mg/Kg	☼	10/28/15 20:48	1
Butyl benzyl phthalate	0.32	U	1.6	0.32	0.13	mg/Kg	☼	10/28/15 20:48	1
Caprolactam	0.82	U	1.6	0.82	0.32	mg/Kg	☼	10/28/15 20:48	1
Carbazole	0.32	U	1.6	0.32	0.15	mg/Kg	☼	10/28/15 20:48	1
4-Chloroaniline	0.82	U	3.2	0.82	0.25	mg/Kg	☼	10/28/15 20:48	1
4-Chloro-3-methylphenol	0.32	U	1.6	0.32	0.17	mg/Kg	☼	10/28/15 20:48	1
2-Chloronaphthalene	0.32	U	1.6	0.32	0.17	mg/Kg	☼	10/28/15 20:48	1
2-Chlorophenol	0.32	U	1.6	0.32	0.19	mg/Kg	☼	10/28/15 20:48	1
4-Chlorophenyl phenyl ether	0.32	U	1.6	0.32	0.21	mg/Kg	☼	10/28/15 20:48	1
Dibenzofuran	0.32	U	1.6	0.32	0.16	mg/Kg	☼	10/28/15 20:48	1
3,3'-Dichlorobenzidine	0.32	U	3.2	0.32	0.14	mg/Kg	☼	10/28/15 20:48	1
2,4-Dichlorophenol	0.32	U	1.6	0.32	0.17	mg/Kg	☼	10/28/15 20:48	1
Diethyl phthalate	0.32	U	1.6	0.32	0.18	mg/Kg	☼	10/28/15 20:48	1
2,4-Dimethylphenol	0.82	U	1.6	0.82	0.21	mg/Kg	☼	10/28/15 20:48	1
Dimethyl phthalate	0.32	U	1.6	0.32	0.16	mg/Kg	☼	10/28/15 20:48	1
Di-n-butyl phthalate	0.32	U	1.6	0.32	0.15	mg/Kg	☼	10/28/15 20:48	1
2-Methyl-4,6-dinitrophenol	1.6	U	8.2	1.6	0.82	mg/Kg	☼	10/28/15 20:48	1
2,4-Dinitrophenol	6.3	U	8.2	6.3	4.0	mg/Kg	☼	10/28/15 20:48	1

Client Sample ID: AOPSJ1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34

Matrix: Solid
Percent Solids: 98.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.82	U	1.6	0.82	0.24	mg/Kg	☼	10/28/15 20:48	1
2,6-Dinitrotoluene	0.32	U	1.6	0.32	0.20	mg/Kg	☼	10/28/15 20:48	1
Di-n-octyl phthalate	0.32	U	1.6	0.32	0.14	mg/Kg	☼	10/28/15 20:48	1
1,4-Dioxane	1.6	U	1.6	1.6	0.58	mg/Kg	☼	10/28/15 20:48	1
Hexachlorobenzene	0.32	U	1.6	0.32	0.19	mg/Kg	☼	10/28/15 20:48	1
Hexachlorobutadiene	0.32	U	1.6	0.32	0.17	mg/Kg	☼	10/28/15 20:48	1
Hexachlorocyclopentadiene	0.32	U	1.6	0.32	0.20	mg/Kg	☼	10/28/15 20:48	1
Hexachloroethane	0.32	U	1.6	0.32	0.14	mg/Kg	☼	10/28/15 20:48	1
Isophorone	0.32	U	1.6	0.32	0.16	mg/Kg	☼	10/28/15 20:48	1
2-Methylphenol	0.32	U	1.6	0.32	0.13	mg/Kg	☼	10/28/15 20:48	1
3 & 4 Methylphenol	0.32	U	1.6	0.32	0.21	mg/Kg	☼	10/28/15 20:48	1
2-Nitroaniline	0.32	U	8.2	0.32	0.22	mg/Kg	☼	10/28/15 20:48	1
3-Nitroaniline	0.82	U	8.2	0.82	0.22	mg/Kg	☼	10/28/15 20:48	1
4-Nitroaniline	0.82	U	8.2	0.82	0.24	mg/Kg	☼	10/28/15 20:48	1
Nitrobenzene	0.32	U	1.6	0.32	0.13	mg/Kg	☼	10/28/15 20:48	1
2-Nitrophenol	0.32	U	1.6	0.32	0.20	mg/Kg	☼	10/28/15 20:48	1
4-Nitrophenol	3.2	U	8.2	3.2	1.6	mg/Kg	☼	10/28/15 20:48	1
N-Nitrosodi-n-propylamine	0.32	U	1.6	0.32	0.15	mg/Kg	☼	10/28/15 20:48	1
N-Nitrosodiphenylamine	0.40	U	1.6	0.40	0.16	mg/Kg	☼	10/28/15 20:48	1
Pentachlorophenol	3.2	U	8.2	3.2	1.6	mg/Kg	☼	10/28/15 20:48	1
Phenol	0.32	U	1.6	0.32	0.16	mg/Kg	☼	10/28/15 20:48	1
1,2,4,5-Tetrachlorobenzene	0.32	U	1.6	0.32	0.15	mg/Kg	☼	10/28/15 20:48	1
2,3,4,6-Tetrachlorophenol	0.32	U	1.6	0.32	0.11	mg/Kg	☼	10/28/15 20:48	1
2,4,5-Trichlorophenol	0.32	U	1.6	0.32	0.17	mg/Kg	☼	10/28/15 20:48	1
2,4,6-Trichlorophenol	0.32	U	1.6	0.32	0.14	mg/Kg	☼	10/28/15 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*58 - 130*	*10/22/15 12:12*	*10/28/15 20:48*	*1*
2-Fluorophenol (Surr)	*55*		*40 - 130*	*10/22/15 12:12*	*10/28/15 20:48*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 130*	*10/22/15 12:12*	*10/28/15 20:48*	*1*
Phenol-d5 (Surr)	*61*		*49 - 130*	*10/22/15 12:12*	*10/28/15 20:48*	*1*
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/22/15 12:12*	*10/28/15 20:48*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/22/15 12:12*	*10/28/15 20:48*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**11000**	**D**	92	18	2.9	mg/Kg	☼	10/24/15 18:05	10
Antimony	**1.8**	**D**	1.8	0.69	0.065	mg/Kg	☼	10/24/15 18:05	10
Arsenic	**25**	**D**	4.6	0.69	0.12	mg/Kg	☼	10/24/15 18:05	10
Barium	**29**	**D**	4.6	1.4	1.0	mg/Kg	☼	10/24/15 18:05	10
Beryllium	**0.61**	**J D**	0.92	0.46	0.051	mg/Kg	☼	10/24/15 18:05	10
Cadmium	**2.0**	**D**	1.8	0.046	0.017	mg/Kg	☼	10/24/15 18:05	10
Calcium	**120000**	**D**	9200	2300	510	mg/Kg	☼	10/26/15 15:30	50
Chromium	**170**	**D**	4.6	2.1	0.28	mg/Kg	☼	10/24/15 18:05	10
Cobalt	**18**	**D**	0.92	0.069	0.0079	mg/Kg	☼	10/24/15 18:05	10
Copper	**34**	**D**	3.7	1.4	0.45	mg/Kg	☼	10/24/15 18:05	10
Iron	**21000**	**D**	460	140	15	mg/Kg	☼	10/24/15 18:05	10
Lead	**240**	**D**	2.8	0.92	0.21	mg/Kg	☼	10/24/15 18:05	10
Magnesium	**29000**	**D**	920	120	18	mg/Kg	☼	10/24/15 18:05	10
Manganese	**470**	**D**	4.6	1.8	0.55	mg/Kg	☼	10/24/15 18:05	10

Client Sample ID: AOPSJ1001

Lab Sample ID: 680-117942-34
Date Collected: 10/12/15 10:20
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 98.3

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nickel	**290**	**D**	4.6	1.2	0.18	mg/Kg	☼	10/24/15 18:05	10
Potassium	**790**	**J D**	920	46	23	mg/Kg	☼	10/24/15 18:05	10
Selenium	**0.41**	**J D**	4.6	0.28	0.18	mg/Kg	☼	10/24/15 18:05	10
Silver	**0.21**	**J D**	0.92	0.23	0.0065	mg/Kg	☼	10/24/15 18:05	10
Sodium	**840**	**J D**	920	180	40	mg/Kg	☼	10/24/15 18:05	10
Thallium	**0.19**	**J D**	1.8	0.69	0.088	mg/Kg	☼	10/24/15 18:05	10
V	**51**	**D**	4.6	0.46	0.17	mg/Kg	☼	10/24/15 18:05	10
Zinc	**380**	**D**	37	9.2	2.3	mg/Kg	☼	10/24/15 18:05	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.015**	**J**	0.097	0.032	0.014	mg/Kg	☼	10/23/15 17:29	1

Client Sample ID: AOPSM1001

Lab Sample ID: 680-117942-35
Date Collected: 10/12/15 10:40
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 89.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Acenaphthylene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Anthracene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Benzo[a]anthracene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Benzo[a]pyrene	**0.014**	**J**	0.038	0.019	0.0069	mg/Kg	☼	10/27/15 20:44	1
Benzo[b]fluoranthene	**0.037**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Benzo[g,h,i]perylene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Benzo[k]fluoranthene	0.019	U	0.038	0.019	0.011	mg/Kg	☼	10/27/15 20:44	1
Chrysene	**0.021**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Fluoranthene	**0.027**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Fluorene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Naphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
Phenanthrene	0.019	U	0.038	0.019	0.014	mg/Kg	☼	10/27/15 20:44	1
Pyrene	**0.021**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1
1-Methylnaphthalene	0.019	U	0.038	0.019	0.018	mg/Kg	☼	10/27/15 20:44	1
2-Methylnaphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/27/15 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*36 - 131*	*10/22/15 11:40*	*10/27/15 20:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/28/15 21:12	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/28/15 21:12	1
Benzaldehyde	0.91	U	1.8	0.91	0.31	mg/Kg	☼	10/28/15 21:12	1
1,1'-Biphenyl	9.1	U	9.1	9.1	9.1	mg/Kg	☼	10/28/15 21:12	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/28/15 21:12	1
Bis(2-chloroethyl)ether	0.91	U	1.8	0.91	0.24	mg/Kg	☼	10/28/15 21:12	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/28/15 21:12	1

Client Sample ID: AOPSM1001
Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35
Matrix: Solid
Percent Solids: 89.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.31**	**J**	1.8	0.36	0.15	mg/Kg	☼	10/28/15 21:12	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/28/15 21:12	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/28/15 21:12	1
Caprolactam	0.91	U	1.8	0.91	0.35	mg/Kg	☼	10/28/15 21:12	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/28/15 21:12	1
4-Chloroaniline	0.91	U	3.5	0.91	0.28	mg/Kg	☼	10/28/15 21:12	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/28/15 21:12	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/28/15 21:12	1
2-Chlorophenol	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/28/15 21:12	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/28/15 21:12	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/28/15 21:12	1
3,3'-Dichlorobenzidine	0.36	U	3.5	0.36	0.15	mg/Kg	☼	10/28/15 21:12	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/28/15 21:12	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	10/28/15 21:12	1
2,4-Dimethylphenol	0.91	U	1.8	0.91	0.23	mg/Kg	☼	10/28/15 21:12	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/28/15 21:12	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	10/28/15 21:12	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.1	1.8	0.91	mg/Kg	☼	10/28/15 21:12	1
2,4-Dinitrophenol	6.9	U	9.1	6.9	4.4	mg/Kg	☼	10/28/15 21:12	1
2,4-Dinitrotoluene	0.91	U	1.8	0.91	0.26	mg/Kg	☼	10/28/15 21:12	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/28/15 21:12	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/28/15 21:12	1
1,4-Dioxane	1.8	U	1.8	1.8	0.64	mg/Kg	☼	10/28/15 21:12	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	10/28/15 21:12	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/28/15 21:12	1
Hexachlorocyclopentadiene	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/28/15 21:12	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/28/15 21:12	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/28/15 21:12	1
2-Methylphenol	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/28/15 21:12	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	10/28/15 21:12	1
2-Nitroaniline	0.36	U	9.1	0.36	0.24	mg/Kg	☼	10/28/15 21:12	1
3-Nitroaniline	0.91	U	9.1	0.91	0.24	mg/Kg	☼	10/28/15 21:12	1
4-Nitroaniline	0.91	U	9.1	0.91	0.26	mg/Kg	☼	10/28/15 21:12	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	10/28/15 21:12	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	10/28/15 21:12	1
4-Nitrophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	10/28/15 21:12	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/28/15 21:12	1
N-Nitrosodiphenylamine	0.44	U	1.8	0.44	0.18	mg/Kg	☼	10/28/15 21:12	1
Pentachlorophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	10/28/15 21:12	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	10/28/15 21:12	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	10/28/15 21:12	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	10/28/15 21:12	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	10/28/15 21:12	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	10/28/15 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*	*Q*	*58 - 130*	*10/22/15 12:12*	*10/28/15 21:12*	*1*
2-Fluorophenol (Surr)	*48*		*40 - 130*	*10/22/15 12:12*	*10/28/15 21:12*	*1*
Nitrobenzene-d5 (Surr)	*55*		*46 - 130*	*10/22/15 12:12*	*10/28/15 21:12*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*10/22/15 12:12*	*10/28/15 21:12*	*1*

Client Sample ID: AOPSM1001

Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35

Matrix: Solid
Percent Solids: 89.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/22/15 12:12*	*10/28/15 21:12*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*58 - 130*	*10/22/15 12:12*	*10/28/15 21:12*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 06:56	1
Atrazine	0.35	U H	1.7	0.35	0.12	mg/Kg	☼	11/04/15 06:56	1
Benzaldehyde	0.88	U H	1.7	0.88	0.30	mg/Kg	☼	11/04/15 06:56	1
1,1'-Biphenyl	8.8	U H	8.8	8.8	8.8	mg/Kg	☼	11/04/15 06:56	1
Bis(2-chloroethoxy)methane	0.35	U H	1.7	0.35	0.20	mg/Kg	☼	11/04/15 06:56	1
Bis(2-chloroethyl)ether	0.88	U H	1.7	0.88	0.23	mg/Kg	☼	11/04/15 06:56	1
bis (2-chloroisopropyl) ether	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 06:56	1
Bis(2-ethylhexyl) phthalate	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 06:56	1
4-Bromophenyl phenyl ether	0.35	U H	1.7	0.35	0.19	mg/Kg	☼	11/04/15 06:56	1
Butyl benzyl phthalate	0.35	U H	1.7	0.35	0.13	mg/Kg	☼	11/04/15 06:56	1
Caprolactam	0.88	U H	1.7	0.88	0.34	mg/Kg	☼	11/04/15 06:56	1
Carbazole	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 06:56	1
4-Chloroaniline	0.88	U H	3.4	0.88	0.27	mg/Kg	☼	11/04/15 06:56	1
4-Chloro-3-methylphenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 06:56	1
2-Chloronaphthalene	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 06:56	1
2-Chlorophenol	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/04/15 06:56	1
4-Chlorophenyl phenyl ether	0.35	U H	1.7	0.35	0.23	mg/Kg	☼	11/04/15 06:56	1
Dibenzofuran	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/04/15 06:56	1
3,3'-Dichlorobenzidine	0.35	U H	3.4	0.35	0.15	mg/Kg	☼	11/04/15 06:56	1
2,4-Dichlorophenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 06:56	1
Diethyl phthalate	0.35	U H	1.7	0.35	0.19	mg/Kg	☼	11/04/15 06:56	1
2,4-Dimethylphenol	0.88	U H	1.7	0.88	0.23	mg/Kg	☼	11/04/15 06:56	1
Dimethyl phthalate	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 06:56	1
Di-n-butyl phthalate	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 06:56	1
2-Methyl-4,6-dinitrophenol	1.7	U H	8.8	1.7	0.88	mg/Kg	☼	11/04/15 06:56	1
2,4-Dinitrophenol	6.7	U H	8.8	6.7	4.3	mg/Kg	☼	11/04/15 06:56	1
2,4-Dinitrotoluene	0.88	U H	1.7	0.88	0.25	mg/Kg	☼	11/04/15 06:56	1
2,6-Dinitrotoluene	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/04/15 06:56	1
Di-n-octyl phthalate	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 06:56	1
1,4-Dioxane	1.7	U H	1.7	1.7	0.62	mg/Kg	☼	11/04/15 06:56	1
Hexachlorobenzene	0.35	U H	1.7	0.35	0.20	mg/Kg	☼	11/04/15 06:56	1
Hexachlorobutadiene	0.35	U H	1.7	0.35	0.19	mg/Kg	☼	11/04/15 06:56	1
Hexachlorocyclopentadiene	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/04/15 06:56	1
Hexachloroethane	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 06:56	1
Isophorone	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/04/15 06:56	1
2-Methylphenol	0.35	U H	1.7	0.35	0.14	mg/Kg	☼	11/04/15 06:56	1
3 & 4 Methylphenol	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/04/15 06:56	1
2-Nitroaniline	0.35	U H	8.8	0.35	0.23	mg/Kg	☼	11/04/15 06:56	1
3-Nitroaniline	0.88	U H	8.8	0.88	0.24	mg/Kg	☼	11/04/15 06:56	1
4-Nitroaniline	0.88	U H	8.8	0.88	0.25	mg/Kg	☼	11/04/15 06:56	1
Nitrobenzene	0.35	U H	1.7	0.35	0.13	mg/Kg	☼	11/04/15 06:56	1
2-Nitrophenol	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/04/15 06:56	1
4-Nitrophenol	3.5	U H	8.8	3.5	1.7	mg/Kg	☼	11/04/15 06:56	1
N-Nitrosodi-n-propylamine	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/04/15 06:56	1

Client Sample ID: AOPSM1001

Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35

Matrix: Solid
Percent Solids: 89.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.43	U H	1.7	0.43	0.17	mg/Kg	☼	11/04/15 06:56	1
Pentachlorophenol	3.5	U H	8.8	3.5	1.7	mg/Kg	☼	11/04/15 06:56	1
Phenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 06:56	1
1,2,4,5-Tetrachlorobenzene	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 06:56	1
2,3,4,6-Tetrachlorophenol	0.35	U H	1.7	0.35	0.11	mg/Kg	☼	11/04/15 06:56	1
2,4,5-Trichlorophenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 06:56	1
2,4,6-Trichlorophenol	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 06:56*	*1*
2-Fluorophenol (Surr)	*50*		*40 - 130*	*11/02/15 11:31*	*11/04/15 06:56*	*1*
Nitrobenzene-d5 (Surr)	*52*		*46 - 130*	*11/02/15 11:31*	*11/04/15 06:56*	*1*
Phenol-d5 (Surr)	*55*		*49 - 130*	*11/02/15 11:31*	*11/04/15 06:56*	*1*
Terphenyl-d14 (Surr)	*78*		*60 - 130*	*11/02/15 11:31*	*11/04/15 06:56*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*58 - 130*	*11/02/15 11:31*	*11/04/15 06:56*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**22000**	**D**	93	19	2.9	mg/Kg	☼	10/24/15 18:08	10
Antimony	**0.23**	**J D**	1.9	0.70	0.065	mg/Kg	☼	10/24/15 18:08	10
Arsenic	**2.7**	**J D**	4.6	0.70	0.12	mg/Kg	☼	10/24/15 18:08	10
Barium	**43**	**D**	4.6	1.4	1.0	mg/Kg	☼	10/24/15 18:08	10
Beryllium	**0.39**	**J D**	0.93	0.46	0.051	mg/Kg	☼	10/24/15 18:08	10
Cadmium	**0.28**	**J D**	1.9	0.046	0.017	mg/Kg	☼	10/24/15 18:08	10
Calcium	**29000**	**D**	1900	460	100	mg/Kg	☼	10/24/15 18:08	10
Chromium	**230**	**D**	4.6	2.1	0.28	mg/Kg	☼	10/24/15 18:08	10
Cobalt	**32**	**D**	0.93	0.070	0.0079	mg/Kg	☼	10/24/15 18:08	10
Copper	**54**	**D**	3.7	1.4	0.45	mg/Kg	☼	10/24/15 18:08	10
Iron	**41000**	**D**	460	140	15	mg/Kg	☼	10/24/15 18:08	10
Lead	**50**	**D**	2.8	0.93	0.21	mg/Kg	☼	10/24/15 18:08	10
Magnesium	**24000**	**D**	930	120	19	mg/Kg	☼	10/24/15 18:08	10
Manganese	**740**	**D**	4.6	1.9	0.56	mg/Kg	☼	10/24/15 18:08	10
Nickel	**480**	**D**	4.6	1.2	0.18	mg/Kg	☼	10/24/15 18:08	10
Potassium	**960**	**D**	930	46	23	mg/Kg	☼	10/24/15 18:08	10
Selenium	**0.49**	**J D**	4.6	0.28	0.19	mg/Kg	☼	10/24/15 18:08	10
Silver	**0.18**	**J D**	0.93	0.23	0.0065	mg/Kg	☼	10/24/15 18:08	10
Sodium	**380**	**J D**	930	190	40	mg/Kg	☼	10/24/15 18:08	10
Thallium	0.70	U	1.9	0.70	0.088	mg/Kg	☼	10/24/15 18:08	10
V	**100**	**D**	4.6	0.46	0.17	mg/Kg	☼	10/24/15 18:08	10
Zinc	**96**	**D**	37	9.3	2.3	mg/Kg	☼	10/24/15 18:08	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.14**		0.11	0.035	0.015	mg/Kg	☼	10/23/15 17:31	1

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSL901
Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36
Matrix: Solid
Percent Solids: 85.9

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Acenaphthylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Benzo[a]anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Benzo[a]pyrene	**0.020**	**J**	0.039	0.019	0.0071	mg/Kg	☼	10/27/15 21:09	1
Benzo[b]fluoranthene	**0.034**	**J M**	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Benzo[g,h,i]perylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Benzo[k]fluoranthene	**0.017**	**J M**	0.039	0.019	0.012	mg/Kg	☼	10/27/15 21:09	1
Chrysene	**0.027**	**J**	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Fluoranthene	**0.046**		0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Fluorene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Naphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
Phenanthrene	**0.021**	**J**	0.039	0.019	0.014	mg/Kg	☼	10/27/15 21:09	1
Pyrene	**0.032**	**J**	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1
1-Methylnaphthalene	0.019	U	0.039	0.019	0.018	mg/Kg	☼	10/27/15 21:09	1
2-Methylnaphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*36 - 131*	*10/22/15 11:40*	*10/27/15 21:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 21:37	1
Atrazine	0.38	U	1.9	0.38	0.13	mg/Kg	☼	10/28/15 21:37	1
Benzaldehyde	0.96	U	1.9	0.96	0.33	mg/Kg	☼	10/28/15 21:37	1
1,1'-Biphenyl	9.6	U	9.6	9.6	9.6	mg/Kg	☼	10/28/15 21:37	1
Bis(2-chloroethoxy)methane	0.38	U	1.9	0.38	0.22	mg/Kg	☼	10/28/15 21:37	1
Bis(2-chloroethyl)ether	0.96	U	1.9	0.96	0.25	mg/Kg	☼	10/28/15 21:37	1
bis (2-chloroisopropyl) ether	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/28/15 21:37	1
Bis(2-ethylhexyl) phthalate	**0.43**	**J**	1.9	0.38	0.16	mg/Kg	☼	10/28/15 21:37	1
4-Bromophenyl phenyl ether	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 21:37	1
Butyl benzyl phthalate	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/28/15 21:37	1
Caprolactam	0.96	U	1.9	0.96	0.37	mg/Kg	☼	10/28/15 21:37	1
Carbazole	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/28/15 21:37	1
4-Chloroaniline	0.96	U	3.7	0.96	0.29	mg/Kg	☼	10/28/15 21:37	1
4-Chloro-3-methylphenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 21:37	1
2-Chloronaphthalene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 21:37	1
2-Chlorophenol	0.38	U	1.9	0.38	0.23	mg/Kg	☼	10/28/15 21:37	1
4-Chlorophenyl phenyl ether	0.38	U	1.9	0.38	0.25	mg/Kg	☼	10/28/15 21:37	1
Dibenzofuran	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 21:37	1
3,3'-Dichlorobenzidine	0.38	U	3.7	0.38	0.16	mg/Kg	☼	10/28/15 21:37	1
2,4-Dichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 21:37	1
Diethyl phthalate	0.38	U	1.9	0.38	0.21	mg/Kg	☼	10/28/15 21:37	1
2,4-Dimethylphenol	0.96	U	1.9	0.96	0.25	mg/Kg	☼	10/28/15 21:37	1
Dimethyl phthalate	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 21:37	1
Di-n-butyl phthalate	0.38	U	1.9	0.38	0.17	mg/Kg	☼	10/28/15 21:37	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.6	1.9	0.96	mg/Kg	☼	10/28/15 21:37	1
2,4-Dinitrophenol	7.4	U	9.6	7.4	4.7	mg/Kg	☼	10/28/15 21:37	1

Client Sample ID: AOPSL901

Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36

Matrix: Solid
Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.96	U	1.9	0.96	0.28	mg/Kg	☼	10/28/15 21:37	1
2,6-Dinitrotoluene	0.38	U	1.9	0.38	0.24	mg/Kg	☼	10/28/15 21:37	1
Di-n-octyl phthalate	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 21:37	1
1,4-Dioxane	1.9	U	1.9	1.9	0.68	mg/Kg	☼	10/28/15 21:37	1
Hexachlorobenzene	0.38	U	1.9	0.38	0.22	mg/Kg	☼	10/28/15 21:37	1
Hexachlorobutadiene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 21:37	1
Hexachlorocyclopentadiene	0.38	U	1.9	0.38	0.23	mg/Kg	☼	10/28/15 21:37	1
Hexachloroethane	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 21:37	1
Isophorone	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 21:37	1
2-Methylphenol	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/28/15 21:37	1
3 & 4 Methylphenol	0.38	U	1.9	0.38	0.24	mg/Kg	☼	10/28/15 21:37	1
2-Nitroaniline	0.38	U	9.6	0.38	0.25	mg/Kg	☼	10/28/15 21:37	1
3-Nitroaniline	0.96	U	9.6	0.96	0.26	mg/Kg	☼	10/28/15 21:37	1
4-Nitroaniline	0.96	U	9.6	0.96	0.28	mg/Kg	☼	10/28/15 21:37	1
Nitrobenzene	0.38	U	1.9	0.38	0.15	mg/Kg	☼	10/28/15 21:37	1
2-Nitrophenol	0.38	U	1.9	0.38	0.23	mg/Kg	☼	10/28/15 21:37	1
4-Nitrophenol	3.8	U	9.6	3.8	1.9	mg/Kg	☼	10/28/15 21:37	1
N-Nitrosodi-n-propylamine	0.38	U	1.9	0.38	0.18	mg/Kg	☼	10/28/15 21:37	1
N-Nitrosodiphenylamine	0.47	U	1.9	0.47	0.19	mg/Kg	☼	10/28/15 21:37	1
Pentachlorophenol	3.8	U	9.6	3.8	1.9	mg/Kg	☼	10/28/15 21:37	1
Phenol	0.38	U	1.9	0.38	0.19	mg/Kg	☼	10/28/15 21:37	1
1,2,4,5-Tetrachlorobenzene	0.38	U	1.9	0.38	0.18	mg/Kg	☼	10/28/15 21:37	1
2,3,4,6-Tetrachlorophenol	0.38	U	1.9	0.38	0.12	mg/Kg	☼	10/28/15 21:37	1
2,4,5-Trichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	10/28/15 21:37	1
2,4,6-Trichlorophenol	0.38	U	1.9	0.38	0.16	mg/Kg	☼	10/28/15 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*58 - 130*	*10/22/15 12:12*	*10/28/15 21:37*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/22/15 12:12*	*10/28/15 21:37*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 130*	*10/22/15 12:12*	*10/28/15 21:37*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*10/22/15 12:12*	*10/28/15 21:37*	*1*
Terphenyl-d14 (Surr)	*72*		*60 - 130*	*10/22/15 12:12*	*10/28/15 21:37*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*	*10/22/15 12:12*	*10/28/15 21:37*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**27000**	**D**	97	19	3.0	mg/Kg	☼	10/27/15 12:47	10
Antimony	**0.25**	**J D**	1.9	0.73	0.068	mg/Kg	☼	10/27/15 12:47	10
Arsenic	**3.3**	**J D**	4.8	0.73	0.13	mg/Kg	☼	10/27/15 12:47	10
Barium	**36**	**D**	4.8	1.5	1.1	mg/Kg	☼	10/27/15 12:47	10
Beryllium	**0.37**	**J D**	0.97	0.48	0.053	mg/Kg	☼	10/27/15 12:47	10
Cadmium	**0.23**	**J D**	1.9	0.048	0.018	mg/Kg	☼	10/27/15 12:47	10
Calcium	**11000**	**D**	1900	480	110	mg/Kg	☼	10/27/15 12:47	10
Chromium	**690**	**D**	4.8	2.2	0.29	mg/Kg	☼	10/27/15 12:47	10
Cobalt	**75**	**D**	0.97	0.073	0.0082	mg/Kg	☼	10/27/15 12:47	10
Copper	**43**	**D**	3.9	1.5	0.47	mg/Kg	☼	10/27/15 12:47	10
Iron	**65000**	**D**	970	290	31	mg/Kg	☼	10/27/15 16:05	20
Lead	**16**	**D**	2.9	0.97	0.22	mg/Kg	☼	10/27/15 12:47	10
Magnesium	**17000**	**D**	970	120	19	mg/Kg	☼	10/27/15 12:47	10
Manganese	**1000**	**D**	4.8	1.9	0.58	mg/Kg	☼	10/27/15 12:47	10

Client Sample ID: AOPSL901

Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36

Matrix: Solid
Percent Solids: 85.9

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nickel	1300	D	4.8	1.2	0.19	mg/Kg	☼	10/27/15 12:47	10
Potassium	2200	D	970	48	24	mg/Kg	☼	10/27/15 12:47	10
Selenium	0.96	J D	4.8	0.29	0.19	mg/Kg	☼	10/27/15 12:47	10
Silver	0.068	J D	0.97	0.24	0.0068	mg/Kg	☼	10/27/15 12:47	10
Sodium	76	J D	970	190	42	mg/Kg	☼	10/27/15 12:47	10
Thallium	0.73	U	1.9	0.73	0.092	mg/Kg	☼	10/27/15 12:47	10
V	110	D	4.8	0.48	0.18	mg/Kg	☼	10/27/15 12:47	10
Zinc	49	D	39	9.7	2.4	mg/Kg	☼	10/27/15 12:47	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.060	J	0.10	0.033	0.014	mg/Kg	☼	10/22/15 09:58	1

Client Sample ID: AOPSK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37

Matrix: Solid
Percent Solids: 92.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Acenaphthylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Benzo[a]anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Benzo[a]pyrene	0.064	J D	0.18	0.089	0.032	mg/Kg	☼	10/27/15 22:23	5
Benzo[b]fluoranthene	0.13	J D M	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Benzo[g,h,i]perylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Benzo[k]fluoranthene	0.089	U	0.18	0.089	0.054	mg/Kg	☼	10/27/15 22:23	5
Chrysene	0.089	J D	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Fluoranthene	0.15	J D	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Fluorene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Indeno[1,2,3-cd]pyrene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Dibenz(a,h)anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Naphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
Phenanthrene	0.089	U	0.18	0.089	0.064	mg/Kg	☼	10/27/15 22:23	5
Pyrene	0.11	J D	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5
1-Methylnaphthalene	0.089	U	0.18	0.089	0.083	mg/Kg	☼	10/27/15 22:23	5
2-Methylnaphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*36 - 131*	*10/22/15 11:40*	*10/27/15 22:23*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/28/15 22:01	1
Atrazine	0.34	U	1.7	0.34	0.12	mg/Kg	☼	10/28/15 22:01	1
Benzaldehyde	0.86	U	1.7	0.86	0.29	mg/Kg	☼	10/28/15 22:01	1
1,1'-Biphenyl	8.6	U	8.6	8.6	8.6	mg/Kg	☼	10/28/15 22:01	1
Bis(2-chloroethoxy)methane	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/28/15 22:01	1
Bis(2-chloroethyl)ether	0.86	U	1.7	0.86	0.23	mg/Kg	☼	10/28/15 22:01	1
bis (2-chloroisopropyl) ether	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:01	1

Client Sample ID: AOPSK1001
Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37
Matrix: Solid
Percent Solids: 92.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.32**	**J**	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:01	1
4-Bromophenyl phenyl ether	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:01	1
Butyl benzyl phthalate	0.34	U	1.7	0.34	0.13	mg/Kg	☼	10/28/15 22:01	1
Caprolactam	0.86	U	1.7	0.86	0.34	mg/Kg	☼	10/28/15 22:01	1
Carbazole	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:01	1
4-Chloroaniline	0.86	U	3.4	0.86	0.26	mg/Kg	☼	10/28/15 22:01	1
4-Chloro-3-methylphenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:01	1
2-Chloronaphthalene	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:01	1
2-Chlorophenol	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/28/15 22:01	1
4-Chlorophenyl phenyl ether	0.34	U	1.7	0.34	0.22	mg/Kg	☼	10/28/15 22:01	1
Dibenzofuran	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:01	1
3,3'-Dichlorobenzidine	0.34	U	3.4	0.34	0.14	mg/Kg	☼	10/28/15 22:01	1
2,4-Dichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:01	1
Diethyl phthalate	0.34	U	1.7	0.34	0.19	mg/Kg	☼	10/28/15 22:01	1
2,4-Dimethylphenol	0.86	U	1.7	0.86	0.22	mg/Kg	☼	10/28/15 22:01	1
Dimethyl phthalate	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:01	1
Di-n-butyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:01	1
2-Methyl-4,6-dinitrophenol	1.7	U	8.6	1.7	0.86	mg/Kg	☼	10/28/15 22:01	1
2,4-Dinitrophenol	6.6	U	8.6	6.6	4.2	mg/Kg	☼	10/28/15 22:01	1
2,4-Dinitrotoluene	0.86	U	1.7	0.86	0.25	mg/Kg	☼	10/28/15 22:01	1
2,6-Dinitrotoluene	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/28/15 22:01	1
Di-n-octyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:01	1
1,4-Dioxane	1.7	U	1.7	1.7	0.61	mg/Kg	☼	10/28/15 22:01	1
Hexachlorobenzene	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/28/15 22:01	1
Hexachlorobutadiene	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:01	1
Hexachlorocyclopentadiene	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/28/15 22:01	1
Hexachloroethane	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/28/15 22:01	1
Isophorone	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:01	1
2-Methylphenol	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/28/15 22:01	1
3 & 4 Methylphenol	0.34	U	1.7	0.34	0.22	mg/Kg	☼	10/28/15 22:01	1
2-Nitroaniline	0.34	U	8.6	0.34	0.23	mg/Kg	☼	10/28/15 22:01	1
3-Nitroaniline	0.86	U	8.6	0.86	0.23	mg/Kg	☼	10/28/15 22:01	1
4-Nitroaniline	0.86	U	8.6	0.86	0.25	mg/Kg	☼	10/28/15 22:01	1
Nitrobenzene	0.34	U	1.7	0.34	0.13	mg/Kg	☼	10/28/15 22:01	1
2-Nitrophenol	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/28/15 22:01	1
4-Nitrophenol	3.4	U	8.6	3.4	1.7	mg/Kg	☼	10/28/15 22:01	1
N-Nitrosodi-n-propylamine	0.34	U	1.7	0.34	0.16	mg/Kg	☼	10/28/15 22:01	1
N-Nitrosodiphenylamine	0.42	U	1.7	0.42	0.17	mg/Kg	☼	10/28/15 22:01	1
Pentachlorophenol	3.4	U	8.6	3.4	1.7	mg/Kg	☼	10/28/15 22:01	1
Phenol	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:01	1
1,2,4,5-Tetrachlorobenzene	0.34	U	1.7	0.34	0.16	mg/Kg	☼	10/28/15 22:01	1
2,3,4,6-Tetrachlorophenol	0.34	U	1.7	0.34	0.11	mg/Kg	☼	10/28/15 22:01	1
2,4,5-Trichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:01	1
2,4,6-Trichlorophenol	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*58 - 130*	*10/22/15 12:12*	*10/28/15 22:01*	*1*
2-Fluorophenol (Surr)	*68*		*40 - 130*	*10/22/15 12:12*	*10/28/15 22:01*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 130*	*10/22/15 12:12*	*10/28/15 22:01*	*1*
Phenol-d5 (Surr)	*68*		*49 - 130*	*10/22/15 12:12*	*10/28/15 22:01*	*1*

Client Sample ID: AOPSK1001

Lab Sample ID: 680-117942-37
Date Collected: 10/12/15 10:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 92.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*73*		*60 - 130*	*10/22/15 12:12*	*10/28/15 22:01*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*58 - 130*	*10/22/15 12:12*	*10/28/15 22:01*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9200**	**D**	87	17	2.7	mg/Kg	☼	10/27/15 12:50	10
Antimony	**1.3**	**J D**	1.7	0.65	0.061	mg/Kg	☼	10/27/15 12:50	10
Arsenic	**2.6**	**J D**	4.4	0.65	0.11	mg/Kg	☼	10/27/15 12:50	10
Barium	**87**	**D**	4.4	1.3	0.96	mg/Kg	☼	10/27/15 12:50	10
Beryllium	**0.16**	**J D**	0.87	0.44	0.048	mg/Kg	☼	10/27/15 12:50	10
Cadmium	**2.6**	**D**	1.7	0.044	0.016	mg/Kg	☼	10/27/15 12:50	10
Calcium	**150000**	**D**	17000	4400	960	mg/Kg	☼	10/27/15 16:09	100
Chromium	**190**	**D**	4.4	2.0	0.26	mg/Kg	☼	10/27/15 12:50	10
Cobalt	**18**	**D**	0.87	0.065	0.0074	mg/Kg	☼	10/27/15 12:50	10
Copper	**31**	**D**	3.5	1.3	0.42	mg/Kg	☼	10/27/15 12:50	10
Iron	**22000**	**D**	440	130	14	mg/Kg	☼	10/27/15 12:50	10
Lead	**260**	**D**	2.6	0.87	0.20	mg/Kg	☼	10/27/15 12:50	10
Magnesium	**31000**	**D**	870	110	17	mg/Kg	☼	10/27/15 12:50	10
Manganese	**350**	**D**	4.4	1.7	0.52	mg/Kg	☼	10/27/15 12:50	10
Nickel	**380**	**D**	4.4	1.1	0.17	mg/Kg	☼	10/27/15 12:50	10
Potassium	**670**	**J D**	870	44	21	mg/Kg	☼	10/27/15 12:50	10
Selenium	**0.31**	**J D**	4.4	0.26	0.17	mg/Kg	☼	10/27/15 12:50	10
Silver	**0.39**	**J D**	0.87	0.22	0.0061	mg/Kg	☼	10/27/15 12:50	10
Sodium	**550**	**J D**	870	170	38	mg/Kg	☼	10/27/15 12:50	10
Thallium	0.65	U	1.7	0.65	0.083	mg/Kg	☼	10/27/15 12:50	10
V	**55**	**D**	4.4	0.44	0.16	mg/Kg	☼	10/27/15 12:50	10
Zinc	**180**	**D**	35	8.7	2.2	mg/Kg	☼	10/27/15 12:50	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.063**	**J**	0.11	0.036	0.015	mg/Kg	☼	10/22/15 09:59	1

Client Sample ID: AOPCK1001

Lab Sample ID: 680-117942-38
Date Collected: 10/12/15 10:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 93.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Acenaphthylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Benzo[a]anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Benzo[a]pyrene	**0.040**	**J D**	0.18	0.089	0.032	mg/Kg	☼	10/27/15 22:47	5
Benzo[b]fluoranthene	**0.089**	**J D M**	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Benzo[g,h,i]perylene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Benzo[k]fluoranthene	0.089	U	0.18	0.089	0.054	mg/Kg	☼	10/27/15 22:47	5
Chrysene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Fluoranthene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Fluorene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Indeno[1,2,3-cd]pyrene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5

Client Sample ID: AOPCK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38

Matrix: Solid
Percent Solids: 93.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Naphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
Phenanthrene	0.089	U	0.18	0.089	0.064	mg/Kg	☼	10/27/15 22:47	5
Pyrene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5
1-Methylnaphthalene	0.089	U	0.18	0.089	0.083	mg/Kg	☼	10/27/15 22:47	5
2-Methylnaphthalene	0.18	U	0.18	0.18	0.089	mg/Kg	☼	10/27/15 22:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*36 - 131*	*10/22/15 11:40*	*10/27/15 22:47*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/28/15 22:26	1
Atrazine	0.34	U	1.7	0.34	0.12	mg/Kg	☼	10/28/15 22:26	1
Benzaldehyde	0.87	U	1.7	0.87	0.30	mg/Kg	☼	10/28/15 22:26	1
1,1'-Biphenyl	8.7	U	8.7	8.7	8.7	mg/Kg	☼	10/28/15 22:26	1
Bis(2-chloroethoxy)methane	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/28/15 22:26	1
Bis(2-chloroethyl)ether	0.87	U	1.7	0.87	0.23	mg/Kg	☼	10/28/15 22:26	1
bis (2-chloroisopropyl) ether	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:26	1
Bis(2-ethylhexyl) phthalate	**0.26**	**J**	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:26	1
4-Bromophenyl phenyl ether	0.34	U	1.7	0.34	0.19	mg/Kg	☼	10/28/15 22:26	1
Butyl benzyl phthalate	0.34	U	1.7	0.34	0.13	mg/Kg	☼	10/28/15 22:26	1
Caprolactam	0.87	U	1.7	0.87	0.34	mg/Kg	☼	10/28/15 22:26	1
Carbazole	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:26	1
4-Chloroaniline	0.87	U	3.4	0.87	0.27	mg/Kg	☼	10/28/15 22:26	1
4-Chloro-3-methylphenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:26	1
2-Chloronaphthalene	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:26	1
2-Chlorophenol	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/28/15 22:26	1
4-Chlorophenyl phenyl ether	0.34	U	1.7	0.34	0.23	mg/Kg	☼	10/28/15 22:26	1
Dibenzofuran	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:26	1
3,3'-Dichlorobenzidine	0.34	U	3.4	0.34	0.14	mg/Kg	☼	10/28/15 22:26	1
2,4-Dichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:26	1
Diethyl phthalate	0.34	U	1.7	0.34	0.19	mg/Kg	☼	10/28/15 22:26	1
2,4-Dimethylphenol	0.87	U	1.7	0.87	0.23	mg/Kg	☼	10/28/15 22:26	1
Dimethyl phthalate	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:26	1
Di-n-butyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:26	1
2-Methyl-4,6-dinitrophenol	1.7	U	8.7	1.7	0.87	mg/Kg	☼	10/28/15 22:26	1
2,4-Dinitrophenol	6.7	U	8.7	6.7	4.3	mg/Kg	☼	10/28/15 22:26	1
2,4-Dinitrotoluene	0.87	U	1.7	0.87	0.25	mg/Kg	☼	10/28/15 22:26	1
2,6-Dinitrotoluene	0.34	U	1.7	0.34	0.22	mg/Kg	☼	10/28/15 22:26	1
Di-n-octyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:26	1
1,4-Dioxane	1.7	U	1.7	1.7	0.62	mg/Kg	☼	10/28/15 22:26	1
Hexachlorobenzene	0.34	U	1.7	0.34	0.20	mg/Kg	☼	10/28/15 22:26	1
Hexachlorobutadiene	0.34	U	1.7	0.34	0.19	mg/Kg	☼	10/28/15 22:26	1
Hexachlorocyclopentadiene	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/28/15 22:26	1
Hexachloroethane	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/28/15 22:26	1
Isophorone	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:26	1
2-Methylphenol	0.34	U	1.7	0.34	0.14	mg/Kg	☼	10/28/15 22:26	1
3 & 4 Methylphenol	0.34	U	1.7	0.34	0.22	mg/Kg	☼	10/28/15 22:26	1
2-Nitroaniline	0.34	U	8.7	0.34	0.23	mg/Kg	☼	10/28/15 22:26	1

Client Sample ID: AOPCK1001
Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38
Matrix: Solid
Percent Solids: 93.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3-Nitroaniline	0.87	U	8.7	0.87	0.24	mg/Kg	☼	10/28/15 22:26	1
4-Nitroaniline	0.87	U	8.7	0.87	0.25	mg/Kg	☼	10/28/15 22:26	1
Nitrobenzene	0.34	U	1.7	0.34	0.13	mg/Kg	☼	10/28/15 22:26	1
2-Nitrophenol	0.34	U	1.7	0.34	0.21	mg/Kg	☼	10/28/15 22:26	1
4-Nitrophenol	3.4	U	8.7	3.4	1.7	mg/Kg	☼	10/28/15 22:26	1
N-Nitrosodi-n-propylamine	0.34	U	1.7	0.34	0.16	mg/Kg	☼	10/28/15 22:26	1
N-Nitrosodiphenylamine	0.43	U	1.7	0.43	0.17	mg/Kg	☼	10/28/15 22:26	1
Pentachlorophenol	3.4	U	8.7	3.4	1.7	mg/Kg	☼	10/28/15 22:26	1
Phenol	0.34	U	1.7	0.34	0.17	mg/Kg	☼	10/28/15 22:26	1
1,2,4,5-Tetrachlorobenzene	0.34	U	1.7	0.34	0.16	mg/Kg	☼	10/28/15 22:26	1
2,3,4,6-Tetrachlorophenol	0.34	U	1.7	0.34	0.11	mg/Kg	☼	10/28/15 22:26	1
2,4,5-Trichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	10/28/15 22:26	1
2,4,6-Trichlorophenol	0.34	U	1.7	0.34	0.15	mg/Kg	☼	10/28/15 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*	*Q*	*58 - 130*	*10/22/15 12:12*	*10/28/15 22:26*	*1*
2-Fluorophenol (Surr)	*49*		*40 - 130*	*10/22/15 12:12*	*10/28/15 22:26*	*1*
Nitrobenzene-d5 (Surr)	*55*		*46 - 130*	*10/22/15 12:12*	*10/28/15 22:26*	*1*
Phenol-d5 (Surr)	*55*		*49 - 130*	*10/22/15 12:12*	*10/28/15 22:26*	*1*
Terphenyl-d14 (Surr)	*61*		*60 - 130*	*10/22/15 12:12*	*10/28/15 22:26*	*1*
2,4,6-Tribromophenol (Surr)	*57*	*Q*	*58 - 130*	*10/22/15 12:12*	*10/28/15 22:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 07:20	1
Atrazine	0.35	U H	1.7	0.35	0.12	mg/Kg	☼	11/04/15 07:20	1
Benzaldehyde	0.90	U H	1.7	0.90	0.31	mg/Kg	☼	11/04/15 07:20	1
1,1'-Biphenyl	9.0	U H	9.0	9.0	9.0	mg/Kg	☼	11/04/15 07:20	1
Bis(2-chloroethoxy)methane	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/04/15 07:20	1
Bis(2-chloroethyl)ether	0.90	U H	1.7	0.90	0.24	mg/Kg	☼	11/04/15 07:20	1
bis (2-chloroisopropyl) ether	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 07:20	1
Bis(2-ethylhexyl) phthalate	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 07:20	1
4-Bromophenyl phenyl ether	0.35	U H	1.7	0.35	0.19	mg/Kg	☼	11/04/15 07:20	1
Butyl benzyl phthalate	0.35	U H	1.7	0.35	0.14	mg/Kg	☼	11/04/15 07:20	1
Caprolactam	0.90	U H	1.7	0.90	0.35	mg/Kg	☼	11/04/15 07:20	1
Carbazole	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 07:20	1
4-Chloroaniline	0.90	U H	3.5	0.90	0.27	mg/Kg	☼	11/04/15 07:20	1
4-Chloro-3-methylphenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 07:20	1
2-Chloronaphthalene	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 07:20	1
2-Chlorophenol	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/04/15 07:20	1
4-Chlorophenyl phenyl ether	0.35	U H	1.7	0.35	0.23	mg/Kg	☼	11/04/15 07:20	1
Dibenzofuran	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/04/15 07:20	1
3,3'-Dichlorobenzidine	0.35	U H	3.5	0.35	0.15	mg/Kg	☼	11/04/15 07:20	1
2,4-Dichlorophenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 07:20	1
Diethyl phthalate	0.35	U H	1.7	0.35	0.20	mg/Kg	☼	11/04/15 07:20	1
2,4-Dimethylphenol	0.90	U H	1.7	0.90	0.23	mg/Kg	☼	11/04/15 07:20	1
Dimethyl phthalate	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 07:20	1
Di-n-butyl phthalate	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 07:20	1
2-Methyl-4,6-dinitrophenol	1.7	U H	9.0	1.7	0.90	mg/Kg	☼	11/04/15 07:20	1
2,4-Dinitrophenol	6.9	U H	9.0	6.9	4.4	mg/Kg	☼	11/04/15 07:20	1

Client Sample ID: AOPCK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38

Matrix: Solid
Percent Solids: 93.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.90	U H	1.7	0.90	0.26	mg/Kg	☼	11/04/15 07:20	1
2,6-Dinitrotoluene	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/04/15 07:20	1
Di-n-octyl phthalate	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 07:20	1
1,4-Dioxane	1.7	U H	1.7	1.7	0.63	mg/Kg	☼	11/04/15 07:20	1
Hexachlorobenzene	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/04/15 07:20	1
Hexachlorobutadiene	0.35	U H	1.7	0.35	0.19	mg/Kg	☼	11/04/15 07:20	1
Hexachlorocyclopentadiene	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/04/15 07:20	1
Hexachloroethane	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 07:20	1
Isophorone	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/04/15 07:20	1
2-Methylphenol	0.35	U H	1.7	0.35	0.14	mg/Kg	☼	11/04/15 07:20	1
3 & 4 Methylphenol	0.35	U H	1.7	0.35	0.23	mg/Kg	☼	11/04/15 07:20	1
2-Nitroaniline	0.35	U H	9.0	0.35	0.24	mg/Kg	☼	11/04/15 07:20	1
3-Nitroaniline	0.90	U H	9.0	0.90	0.24	mg/Kg	☼	11/04/15 07:20	1
4-Nitroaniline	0.90	U H	9.0	0.90	0.26	mg/Kg	☼	11/04/15 07:20	1
Nitrobenzene	0.35	U H	1.7	0.35	0.14	mg/Kg	☼	11/04/15 07:20	1
2-Nitrophenol	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/04/15 07:20	1
4-Nitrophenol	3.5	U H	9.0	3.5	1.7	mg/Kg	☼	11/04/15 07:20	1
N-Nitrosodi-n-propylamine	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/04/15 07:20	1
N-Nitrosodiphenylamine	0.44	U H	1.7	0.44	0.17	mg/Kg	☼	11/04/15 07:20	1
Pentachlorophenol	3.5	U H	9.0	3.5	1.7	mg/Kg	☼	11/04/15 07:20	1
Phenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 07:20	1
1,2,4,5-Tetrachlorobenzene	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/04/15 07:20	1
2,3,4,6-Tetrachlorophenol	0.35	U H	1.7	0.35	0.12	mg/Kg	☼	11/04/15 07:20	1
2,4,5-Trichlorophenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/04/15 07:20	1
2,4,6-Trichlorophenol	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/04/15 07:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 07:20*	*1*
2-Fluorophenol (Surr)	*47*		*40 - 130*	*11/02/15 11:31*	*11/04/15 07:20*	*1*
Nitrobenzene-d5 (Surr)	*49*		*46 - 130*	*11/02/15 11:31*	*11/04/15 07:20*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*11/02/15 11:31*	*11/04/15 07:20*	*1*
Terphenyl-d14 (Surr)	*65*		*60 - 130*	*11/02/15 11:31*	*11/04/15 07:20*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*58 - 130*	*11/02/15 11:31*	*11/04/15 07:20*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9800**	**D**	91	18	2.8	mg/Kg	☼	10/27/15 12:54	10
Antimony	**1.6**	**J D**	1.8	0.68	0.064	mg/Kg	☼	10/27/15 12:54	10
Arsenic	**2.6**	**J D**	4.5	0.68	0.12	mg/Kg	☼	10/27/15 12:54	10
Barium	**35**	**D**	4.5	1.4	1.0	mg/Kg	☼	10/27/15 12:54	10
Beryllium	**0.17**	**J D**	0.91	0.45	0.050	mg/Kg	☼	10/27/15 12:54	10
Cadmium	**2.4**	**D**	1.8	0.045	0.017	mg/Kg	☼	10/27/15 12:54	10
Calcium	**150000**	**D**	18000	4500	1000	mg/Kg	☼	10/27/15 16:12	100
Chromium	**180**	**D**	4.5	2.0	0.27	mg/Kg	☼	10/27/15 12:54	10
Cobalt	**18**	**D**	0.91	0.068	0.0077	mg/Kg	☼	10/27/15 12:54	10
Copper	**33**	**D**	3.6	1.4	0.44	mg/Kg	☼	10/27/15 12:54	10
Iron	**22000**	**D**	450	140	15	mg/Kg	☼	10/27/15 12:54	10
Lead	**190**	**D**	2.7	0.91	0.20	mg/Kg	☼	10/27/15 12:54	10
Magnesium	**34000**	**D**	910	110	18	mg/Kg	☼	10/27/15 12:54	10
Manganese	**360**	**D**	4.5	1.8	0.54	mg/Kg	☼	10/27/15 12:54	10

Client Sample ID: AOPCK1001

Lab Sample ID: 680-117942-38
Date Collected: 10/12/15 10:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 93.4

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nickel	**380**	**D**	4.5	1.1	0.18	mg/Kg	☼	10/27/15 12:54	10
Potassium	**630**	**J D**	910	45	22	mg/Kg	☼	10/27/15 12:54	10
Selenium	**0.32**	**J D**	4.5	0.27	0.18	mg/Kg	☼	10/27/15 12:54	10
Silver	**0.32**	**J D**	0.91	0.23	0.0064	mg/Kg	☼	10/27/15 12:54	10
Sodium	**680**	**J D**	910	180	39	mg/Kg	☼	10/27/15 12:54	10
Thallium	0.68	U	1.8	0.68	0.086	mg/Kg	☼	10/27/15 12:54	10
V	**54**	**D**	4.5	0.45	0.17	mg/Kg	☼	10/27/15 12:54	10
Zinc	**140**	**D**	36	9.1	2.3	mg/Kg	☼	10/27/15 12:54	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.062**	**J**	0.096	0.032	0.013	mg/Kg	☼	10/22/15 10:04	1

Client Sample ID: AOPSK901

Lab Sample ID: 680-117942-39
Date Collected: 10/12/15 10:05
Matrix: Solid
Date Received: 10/17/15 09:45
Percent Solids: 66.0

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Acenaphthylene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Anthracene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Benzo[a]anthracene	**0.13**	**J D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Benzo[a]pyrene	**0.092**	**J D**	0.26	0.13	0.047	mg/Kg	☼	10/27/15 23:12	5
Benzo[b]fluoranthene	**0.24**	**J D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Benzo[g,h,i]perylene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Benzo[k]fluoranthene	**0.097**	**J D**	0.26	0.13	0.078	mg/Kg	☼	10/27/15 23:12	5
Chrysene	**0.13**	**J D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Fluoranthene	**0.23**	**J D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Fluorene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Indeno[1,2,3-cd]pyrene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Dibenz(a,h)anthracene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Naphthalene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
Phenanthrene	**0.11**	**J D**	0.26	0.13	0.094	mg/Kg	☼	10/27/15 23:12	5
Pyrene	**0.17**	**J D**	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5
1-Methylnaphthalene	0.13	U	0.26	0.13	0.12	mg/Kg	☼	10/27/15 23:12	5
2-Methylnaphthalene	0.26	U	0.26	0.26	0.13	mg/Kg	☼	10/27/15 23:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*36 - 131*	*10/22/15 11:40*	*10/27/15 23:12*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.48	U	2.4	0.48	0.20	mg/Kg	☼	10/28/15 22:50	1
Atrazine	0.48	U	2.4	0.48	0.17	mg/Kg	☼	10/28/15 22:50	1
Benzaldehyde	1.2	U	2.4	1.2	0.42	mg/Kg	☼	10/28/15 22:50	1
1,1'-Biphenyl	12	U	12	12	12	mg/Kg	☼	10/28/15 22:50	1
Bis(2-chloroethoxy)methane	0.48	U	2.4	0.48	0.28	mg/Kg	☼	10/28/15 22:50	1
Bis(2-chloroethyl)ether	1.2	U	2.4	1.2	0.32	mg/Kg	☼	10/28/15 22:50	1
bis (2-chloroisopropyl) ether	0.48	U	2.4	0.48	0.22	mg/Kg	☼	10/28/15 22:50	1

Client Sample ID: AOPSK901

Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39

Matrix: Solid
Percent Solids: 66.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.59**	**J**	2.4	0.48	0.21	mg/Kg	☼	10/28/15 22:50	1
4-Bromophenyl phenyl ether	0.48	U	2.4	0.48	0.26	mg/Kg	☼	10/28/15 22:50	1
Butyl benzyl phthalate	0.48	U	2.4	0.48	0.19	mg/Kg	☼	10/28/15 22:50	1
Caprolactam	1.2	U	2.4	1.2	0.48	mg/Kg	☼	10/28/15 22:50	1
Carbazole	0.48	U	2.4	0.48	0.22	mg/Kg	☼	10/28/15 22:50	1
4-Chloroaniline	1.2	U	4.8	1.2	0.37	mg/Kg	☼	10/28/15 22:50	1
4-Chloro-3-methylphenol	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 22:50	1
2-Chloronaphthalene	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 22:50	1
2-Chlorophenol	0.48	U	2.4	0.48	0.29	mg/Kg	☼	10/28/15 22:50	1
4-Chlorophenyl phenyl ether	0.48	U	2.4	0.48	0.32	mg/Kg	☼	10/28/15 22:50	1
Dibenzofuran	0.48	U	2.4	0.48	0.24	mg/Kg	☼	10/28/15 22:50	1
3,3'-Dichlorobenzidine	0.48	U	4.8	0.48	0.20	mg/Kg	☼	10/28/15 22:50	1
2,4-Dichlorophenol	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 22:50	1
Diethyl phthalate	0.48	U	2.4	0.48	0.27	mg/Kg	☼	10/28/15 22:50	1
2,4-Dimethylphenol	1.2	U	2.4	1.2	0.32	mg/Kg	☼	10/28/15 22:50	1
Dimethyl phthalate	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 22:50	1
Di-n-butyl phthalate	0.48	U	2.4	0.48	0.22	mg/Kg	☼	10/28/15 22:50	1
2-Methyl-4,6-dinitrophenol	2.4	U	12	2.4	1.2	mg/Kg	☼	10/28/15 22:50	1
2,4-Dinitrophenol	9.4	U	12	9.4	6.0	mg/Kg	☼	10/28/15 22:50	1
2,4-Dinitrotoluene	1.2	U	2.4	1.2	0.35	mg/Kg	☼	10/28/15 22:50	1
2,6-Dinitrotoluene	0.48	U	2.4	0.48	0.30	mg/Kg	☼	10/28/15 22:50	1
Di-n-octyl phthalate	0.48	U	2.4	0.48	0.21	mg/Kg	☼	10/28/15 22:50	1
1,4-Dioxane	2.4	U	2.4	2.4	0.87	mg/Kg	☼	10/28/15 22:50	1
Hexachlorobenzene	0.48	U	2.4	0.48	0.28	mg/Kg	☼	10/28/15 22:50	1
Hexachlorobutadiene	0.48	U	2.4	0.48	0.26	mg/Kg	☼	10/28/15 22:50	1
Hexachlorocyclopentadiene	0.48	U	2.4	0.48	0.30	mg/Kg	☼	10/28/15 22:50	1
Hexachloroethane	0.48	U	2.4	0.48	0.20	mg/Kg	☼	10/28/15 22:50	1
Isophorone	0.48	U	2.4	0.48	0.24	mg/Kg	☼	10/28/15 22:50	1
2-Methylphenol	0.48	U	2.4	0.48	0.19	mg/Kg	☼	10/28/15 22:50	1
3 & 4 Methylphenol	0.48	U	2.4	0.48	0.31	mg/Kg	☼	10/28/15 22:50	1
2-Nitroaniline	0.48	U	12	0.48	0.32	mg/Kg	☼	10/28/15 22:50	1
3-Nitroaniline	1.2	U	12	1.2	0.33	mg/Kg	☼	10/28/15 22:50	1
4-Nitroaniline	1.2	U	12	1.2	0.35	mg/Kg	☼	10/28/15 22:50	1
Nitrobenzene	0.48	U	2.4	0.48	0.19	mg/Kg	☼	10/28/15 22:50	1
2-Nitrophenol	0.48	U	2.4	0.48	0.30	mg/Kg	☼	10/28/15 22:50	1
4-Nitrophenol	4.8	U	12	4.8	2.4	mg/Kg	☼	10/28/15 22:50	1
N-Nitrosodi-n-propylamine	0.48	U	2.4	0.48	0.23	mg/Kg	☼	10/28/15 22:50	1
N-Nitrosodiphenylamine	0.60	U	2.4	0.60	0.24	mg/Kg	☼	10/28/15 22:50	1
Pentachlorophenol	4.8	U	12	4.8	2.4	mg/Kg	☼	10/28/15 22:50	1
Phenol	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 22:50	1
1,2,4,5-Tetrachlorobenzene	0.48	U	2.4	0.48	0.22	mg/Kg	☼	10/28/15 22:50	1
2,3,4,6-Tetrachlorophenol	0.48	U	2.4	0.48	0.16	mg/Kg	☼	10/28/15 22:50	1
2,4,5-Trichlorophenol	0.48	U	2.4	0.48	0.25	mg/Kg	☼	10/28/15 22:50	1
2,4,6-Trichlorophenol	0.48	U	2.4	0.48	0.21	mg/Kg	☼	10/28/15 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/22/15 12:12*	*10/28/15 22:50*	*1*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*10/22/15 12:12*	*10/28/15 22:50*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/22/15 12:12*	*10/28/15 22:50*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*10/22/15 12:12*	*10/28/15 22:50*	*1*

Client Sample ID: AOPSK901

Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39

Matrix: Solid
Percent Solids: 66.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*71*		*60 - 130*	*10/22/15 12:12*	*10/28/15 22:50*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*10/22/15 12:12*	*10/28/15 22:50*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**16000**	**D**	130	26	4.1	mg/Kg	☼	10/27/15 12:57	10
Antimony	**0.15**	**J D**	2.6	0.99	0.092	mg/Kg	☼	10/27/15 12:57	10
Arsenic	**7.1**	**D**	6.6	0.99	0.17	mg/Kg	☼	10/27/15 12:57	10
Barium	**35**	**D**	6.6	2.0	1.4	mg/Kg	☼	10/27/15 12:57	10
Beryllium	**0.29**	**J D**	1.3	0.66	0.072	mg/Kg	☼	10/27/15 12:57	10
Cadmium	**0.20**	**J D**	2.6	0.066	0.024	mg/Kg	☼	10/27/15 12:57	10
Calcium	**120000**	**D**	13000	3300	720	mg/Kg	☼	10/27/15 16:16	50
Chromium	**240**	**D**	6.6	3.0	0.39	mg/Kg	☼	10/27/15 12:57	10
Cobalt	**26**	**D**	1.3	0.099	0.011	mg/Kg	☼	10/27/15 12:57	10
Copper	**28**	**D**	5.3	2.0	0.64	mg/Kg	☼	10/27/15 12:57	10
Iron	**28000**	**D**	660	200	21	mg/Kg	☼	10/27/15 12:57	10
Lead	**29**	**D**	3.9	1.3	0.30	mg/Kg	☼	10/27/15 12:57	10
Magnesium	**38000**	**D**	1300	160	26	mg/Kg	☼	10/27/15 12:57	10
Manganese	**480**	**D**	6.6	2.6	0.79	mg/Kg	☼	10/27/15 12:57	10
Nickel	**480**	**D**	6.6	1.6	0.26	mg/Kg	☼	10/27/15 12:57	10
Potassium	**1700**	**D**	1300	66	32	mg/Kg	☼	10/27/15 12:57	10
Selenium	**0.51**	**J D**	6.6	0.39	0.26	mg/Kg	☼	10/27/15 12:57	10
Silver	**0.043**	**J D**	1.3	0.33	0.0092	mg/Kg	☼	10/27/15 12:57	10
Sodium	**520**	**J D**	1300	260	57	mg/Kg	☼	10/27/15 12:57	10
Thallium	0.99	U	2.6	0.99	0.13	mg/Kg	☼	10/27/15 12:57	10
V	**60**	**D**	6.6	0.66	0.24	mg/Kg	☼	10/27/15 12:57	10
Zinc	**48**	**J D**	53	13	3.3	mg/Kg	☼	10/27/15 12:57	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.048	U	0.15	0.048	0.021	mg/Kg	☼	10/22/15 10:05	1

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Acenaphthylene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Anthracene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Benzo[a]anthracene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Benzo[a]pyrene	0.093	U	0.19	0.093	0.034	mg/Kg	☼	10/27/15 23:36	5
Benzo[b]fluoranthene	**0.096**	**J D**	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Benzo[g,h,i]perylene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Benzo[k]fluoranthene	0.093	U	0.19	0.093	0.057	mg/Kg	☼	10/27/15 23:36	5
Chrysene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Fluoranthene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Fluorene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Naphthalene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
Phenanthrene	0.093	U	0.19	0.093	0.068	mg/Kg	☼	10/27/15 23:36	5
Pyrene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5
1-Methylnaphthalene	0.093	U	0.19	0.093	0.088	mg/Kg	☼	10/27/15 23:36	5
2-Methylnaphthalene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/27/15 23:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*36 - 131*	*10/22/15 11:40*	*10/27/15 23:36*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/28/15 23:14	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	10/28/15 23:14	1
Benzaldehyde	0.94	U	1.8	0.94	0.32	mg/Kg	☼	10/28/15 23:14	1
1,1'-Biphenyl	9.4	U	9.4	9.4	9.4	mg/Kg	☼	10/28/15 23:14	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.21	mg/Kg	☼	10/28/15 23:14	1
Bis(2-chloroethyl)ether	0.94	U	1.8	0.94	0.25	mg/Kg	☼	10/28/15 23:14	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/28/15 23:14	1
Bis(2-ethylhexyl) phthalate	**0.48**	**J**	1.8	0.37	0.16	mg/Kg	☼	10/28/15 23:14	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/28/15 23:14	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/28/15 23:14	1
Caprolactam	0.94	U	1.8	0.94	0.36	mg/Kg	☼	10/28/15 23:14	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/28/15 23:14	1
4-Chloroaniline	0.94	U	3.6	0.94	0.29	mg/Kg	☼	10/28/15 23:14	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/28/15 23:14	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/28/15 23:14	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/28/15 23:14	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.24	mg/Kg	☼	10/28/15 23:14	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/28/15 23:14	1
3,3'-Dichlorobenzidine	0.37	U	3.6	0.37	0.15	mg/Kg	☼	10/28/15 23:14	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/28/15 23:14	1
Diethyl phthalate	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/28/15 23:14	1
2,4-Dimethylphenol	0.94	U	1.8	0.94	0.24	mg/Kg	☼	10/28/15 23:14	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/28/15 23:14	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/28/15 23:14	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.4	1.8	0.94	mg/Kg	☼	10/28/15 23:14	1
2,4-Dinitrophenol	7.2	U	9.4	7.2	4.6	mg/Kg	☼	10/28/15 23:14	1
2,4-Dinitrotoluene	0.94	U	1.8	0.94	0.27	mg/Kg	☼	10/28/15 23:14	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/28/15 23:14	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/28/15 23:14	1
1,4-Dioxane	1.8	U	1.8	1.8	0.66	mg/Kg	☼	10/28/15 23:14	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.21	mg/Kg	☼	10/28/15 23:14	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/28/15 23:14	1
Hexachlorocyclopentadiene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/28/15 23:14	1
Hexachloroethane	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/28/15 23:14	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/28/15 23:14	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/28/15 23:14	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	10/28/15 23:14	1
2-Nitroaniline	0.37	U	9.4	0.37	0.25	mg/Kg	☼	10/28/15 23:14	1

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3-Nitroaniline	0.94	U	9.4	0.94	0.25	mg/Kg	☼	10/28/15 23:14	1
4-Nitroaniline	0.94	U	9.4	0.94	0.27	mg/Kg	☼	10/28/15 23:14	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/28/15 23:14	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/28/15 23:14	1
4-Nitrophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	10/28/15 23:14	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/28/15 23:14	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	10/28/15 23:14	1
Pentachlorophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	10/28/15 23:14	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/28/15 23:14	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/28/15 23:14	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	10/28/15 23:14	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/28/15 23:14	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/28/15 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*58 - 130*	*10/22/15 12:12*	*10/28/15 23:14*	*1*
2-Fluorophenol (Surr)	*55*		*40 - 130*	*10/22/15 12:12*	*10/28/15 23:14*	*1*
Nitrobenzene-d5 (Surr)	*52*		*46 - 130*	*10/22/15 12:12*	*10/28/15 23:14*	*1*
Phenol-d5 (Surr)	*58*		*49 - 130*	*10/22/15 12:12*	*10/28/15 23:14*	*1*
Terphenyl-d14 (Surr)	*62*		*60 - 130*	*10/22/15 12:12*	*10/28/15 23:14*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*	*10/22/15 12:12*	*10/28/15 23:14*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**13000**	**D**	97	19	3.0	mg/Kg	☼	10/24/15 18:12	10
Antimony	**0.88**	**J D**	1.9	0.73	0.068	mg/Kg	☼	10/24/15 18:12	10
Arsenic	**3.3**	**J D**	4.8	0.73	0.13	mg/Kg	☼	10/24/15 18:12	10
Barium	**24**	**D**	4.8	1.5	1.1	mg/Kg	☼	10/24/15 18:12	10
Beryllium	**0.16**	**J D**	0.97	0.48	0.053	mg/Kg	☼	10/24/15 18:12	10
Cadmium	**0.50**	**J D**	1.9	0.048	0.018	mg/Kg	☼	10/24/15 18:12	10
Calcium	**15000**	**D**	1900	480	110	mg/Kg	☼	10/24/15 18:12	10
Chromium	**290**	**D**	4.8	2.2	0.29	mg/Kg	☼	10/24/15 18:12	10
Cobalt	**35**	**D**	0.97	0.073	0.0082	mg/Kg	☼	10/24/15 18:12	10
Copper	**43**	**D**	3.9	1.5	0.47	mg/Kg	☼	10/24/15 18:12	10
Iron	**32000**	**D**	480	150	15	mg/Kg	☼	10/24/15 18:12	10
Lead	**53**	**D**	2.9	0.97	0.22	mg/Kg	☼	10/24/15 18:12	10
Magnesium	**60000**	**D**	1900	240	39	mg/Kg	☼	10/22/15 20:35	20
Manganese	**540**	**D**	4.8	1.9	0.58	mg/Kg	☼	10/24/15 18:12	10
Nickel	**730**	**D**	4.8	1.2	0.19	mg/Kg	☼	10/24/15 18:12	10
Potassium	**720**	**J D**	970	48	24	mg/Kg	☼	10/24/15 18:12	10
Selenium	**0.28**	**J D**	4.8	0.29	0.19	mg/Kg	☼	10/24/15 18:12	10
Silver	**2.6**	**D**	0.97	0.24	0.0068	mg/Kg	☼	10/24/15 18:12	10
Sodium	**86**	**J D**	970	190	42	mg/Kg	☼	10/24/15 18:12	10
Thallium	0.73	U	1.9	0.73	0.092	mg/Kg	☼	10/24/15 18:12	10
V	**53**	**D**	4.8	0.48	0.18	mg/Kg	☼	10/24/15 18:12	10
Zinc	**260**	**D**	39	9.7	2.4	mg/Kg	☼	10/24/15 18:12	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**4.0**	**D**	0.50	0.17	0.070	mg/Kg	☼	10/23/15 17:43	5

Client Sample ID: AOPSL1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41

Matrix: Solid
Percent Solids: 88.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Acenaphthylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Benzo[a]anthracene	**0.047**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Benzo[a]pyrene	**0.050**		0.039	0.019	0.0070	mg/Kg	☼	10/28/15 19:50	1
Benzo[b]fluoranthene	**0.099**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Benzo[g,h,i]perylene	**0.027**	**J**	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Benzo[k]fluoranthene	0.019	U	0.039	0.019	0.012	mg/Kg	☼	10/28/15 19:50	1
Chrysene	**0.058**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Fluoranthene	**0.11**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Fluorene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Indeno[1,2,3-cd]pyrene	**0.024**	**J**	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Naphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
Phenanthrene	**0.050**		0.039	0.019	0.014	mg/Kg	☼	10/28/15 19:50	1
Pyrene	**0.077**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1
1-Methylnaphthalene	0.019	U	0.039	0.019	0.018	mg/Kg	☼	10/28/15 19:50	1
2-Methylnaphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*42*		*36 - 131*	*10/24/15 09:57*	*10/28/15 19:50*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 18:55	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	11/01/15 18:55	1
Benzaldehyde	0.95	U Q	1.8	0.95	0.32	mg/Kg	☼	11/01/15 18:55	1
1,1'-Biphenyl	9.5	U	9.5	9.5	9.5	mg/Kg	☼	11/01/15 18:55	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 18:55	1
Bis(2-chloroethyl)ether	0.95	U	1.8	0.95	0.25	mg/Kg	☼	11/01/15 18:55	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 18:55	1
Bis(2-ethylhexyl) phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 18:55	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/01/15 18:55	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/01/15 18:55	1
Caprolactam	0.95	U	1.8	0.95	0.37	mg/Kg	☼	11/01/15 18:55	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 18:55	1
4-Chloroaniline	0.95	U	3.7	0.95	0.29	mg/Kg	☼	11/01/15 18:55	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 18:55	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 18:55	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 18:55	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/01/15 18:55	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 18:55	1
3,3'-Dichlorobenzidine	0.37	U	3.7	0.37	0.16	mg/Kg	☼	11/01/15 18:55	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 18:55	1
Diethyl phthalate	0.37	U	1.8	0.37	0.21	mg/Kg	☼	11/01/15 18:55	1
2,4-Dimethylphenol	0.95	U	1.8	0.95	0.24	mg/Kg	☼	11/01/15 18:55	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 18:55	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 18:55	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.5	1.8	0.95	mg/Kg	☼	11/01/15 18:55	1
2,4-Dinitrophenol	7.2	U	9.5	7.2	4.6	mg/Kg	☼	11/01/15 18:55	1

Client Sample ID: AOPSL1001
Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41
Matrix: Solid
Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.95	U	1.8	0.95	0.27	mg/Kg	☼	11/01/15 18:55	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/01/15 18:55	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 18:55	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.67	mg/Kg	☼	11/01/15 18:55	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 18:55	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/01/15 18:55	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	11/01/15 18:55	1
Hexachloroethane	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 18:55	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 18:55	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/01/15 18:55	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/01/15 18:55	1
2-Nitroaniline	0.37	U	9.5	0.37	0.25	mg/Kg	☼	11/01/15 18:55	1
3-Nitroaniline	0.95	U	9.5	0.95	0.26	mg/Kg	☼	11/01/15 18:55	1
4-Nitroaniline	0.95	U	9.5	0.95	0.27	mg/Kg	☼	11/01/15 18:55	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/01/15 18:55	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/01/15 18:55	1
4-Nitrophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/01/15 18:55	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 18:55	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	11/01/15 18:55	1
Pentachlorophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/01/15 18:55	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 18:55	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 18:55	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	11/01/15 18:55	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 18:55	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 18:55*	*1*
2-Fluorophenol (Surr)	*50*		*40 - 130*	*10/24/15 08:26*	*11/01/15 18:55*	*1*
Nitrobenzene-d5 (Surr)	*53*		*46 - 130*	*10/24/15 08:26*	*11/01/15 18:55*	*1*
Phenol-d5 (Surr)	*53*		*49 - 130*	*10/24/15 08:26*	*11/01/15 18:55*	*1*
Terphenyl-d14 (Surr)	*61*		*60 - 130*	*10/24/15 08:26*	*11/01/15 18:55*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*58 - 130*	*10/24/15 08:26*	*11/01/15 18:55*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 18:06	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 18:06	1
Benzaldehyde	0.99	U H	1.9	0.99	0.34	mg/Kg	☼	11/04/15 18:06	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	11/04/15 18:06	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 18:06	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 18:06	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 18:06	1
Bis(2-ethylhexyl) phthalate	**0.21**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/04/15 18:06	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 18:06	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 18:06	1
Caprolactam	0.99	U H	1.9	0.99	0.39	mg/Kg	☼	11/04/15 18:06	1
Carbazole	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 18:06	1
4-Chloroaniline	0.99	U H	3.9	0.99	0.30	mg/Kg	☼	11/04/15 18:06	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 18:06	1

Client Sample ID: AOPSL1001
Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41
Matrix: Solid
Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 18:06	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 18:06	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	11/04/15 18:06	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 18:06	1
3,3'-Dichlorobenzidine	0.39	U H	3.9	0.39	0.16	mg/Kg	☼	11/04/15 18:06	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 18:06	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/04/15 18:06	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 18:06	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 18:06	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 18:06	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	11/04/15 18:06	1
2,4-Dinitrophenol	7.6	U H	9.9	7.6	4.9	mg/Kg	☼	11/04/15 18:06	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.29	mg/Kg	☼	11/04/15 18:06	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/04/15 18:06	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 18:06	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.70	mg/Kg	☼	11/04/15 18:06	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 18:06	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 18:06	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 18:06	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 18:06	1
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 18:06	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 18:06	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/04/15 18:06	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	11/04/15 18:06	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	11/04/15 18:06	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.29	mg/Kg	☼	11/04/15 18:06	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 18:06	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 18:06	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 18:06	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 18:06	1
N-Nitrosodiphenylamine	0.49	U H	1.9	0.49	0.19	mg/Kg	☼	11/04/15 18:06	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 18:06	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 18:06	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 18:06	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 18:06	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 18:06	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 18:06*	*1*
2-Fluorophenol (Surr)	*48*		*40 - 130*	*11/03/15 16:47*	*11/04/15 18:06*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 130*	*11/03/15 16:47*	*11/04/15 18:06*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*11/03/15 16:47*	*11/04/15 18:06*	*1*
Terphenyl-d14 (Surr)	*57*	*Q*	*60 - 130*	*11/03/15 16:47*	*11/04/15 18:06*	*1*
2,4,6-Tribromophenol (Surr)	*51*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 18:06*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**16000**	**D**	110	22	3.4	mg/Kg	☼	10/24/15 18:16	10
Antimony	**0.13**	**J D**	2.2	0.82	0.077	mg/Kg	☼	10/24/15 18:16	10

Client Sample ID: AOPSL1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41

Matrix: Solid
Percent Solids: 88.6

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.0	J D	5.5	0.82	0.14	mg/Kg	☼	10/24/15 18:16	10
Barium	28	D	5.5	1.6	1.2	mg/Kg	☼	10/24/15 18:16	10
Beryllium	0.24	J D	1.1	0.55	0.060	mg/Kg	☼	10/24/15 18:16	10
Cadmium	0.29	J D	2.2	0.055	0.020	mg/Kg	☼	10/24/15 18:16	10
Calcium	15000	D	2200	550	120	mg/Kg	☼	10/24/15 18:16	10
Chromium	440	D	5.5	2.5	0.33	mg/Kg	☼	10/24/15 18:16	10
Cobalt	46	D	1.1	0.082	0.0093	mg/Kg	☼	10/24/15 18:16	10
Copper	36	D	4.4	1.6	0.53	mg/Kg	☼	10/24/15 18:16	10
Iron	40000	D	550	160	18	mg/Kg	☼	10/24/15 18:16	10
Lead	37	D	3.3	1.1	0.25	mg/Kg	☼	10/24/15 18:16	10
Magnesium	48000	D	1100	140	22	mg/Kg	☼	10/24/15 18:16	10
Manganese	700	D	5.5	2.2	0.66	mg/Kg	☼	10/24/15 18:16	10
Nickel	1000	D	5.5	1.4	0.21	mg/Kg	☼	10/24/15 18:16	10
Potassium	1500	D	1100	55	27	mg/Kg	☼	10/24/15 18:16	10
Selenium	0.42	J D	5.5	0.33	0.22	mg/Kg	☼	10/24/15 18:16	10
Silver	0.17	J D	1.1	0.27	0.0077	mg/Kg	☼	10/24/15 18:16	10
Sodium	110	J D	1100	220	48	mg/Kg	☼	10/24/15 18:16	10
Thallium	0.82	U	2.2	0.82	0.10	mg/Kg	☼	10/24/15 18:16	10
V	75	D	5.5	0.55	0.20	mg/Kg	☼	10/24/15 18:16	10
Zinc	84	D	44	11	2.7	mg/Kg	☼	10/24/15 18:16	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.31		0.12	0.039	0.016	mg/Kg	☼	10/23/15 17:35	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-406651/21-A
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406651

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		10/27/15 20:07	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		10/27/15 20:07	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		10/27/15 20:07	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		10/27/15 20:07	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		10/27/15 20:07	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		10/27/15 20:07	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		10/27/15 20:07	1
Bis(2-ethylhexyl) phthalate	0.0364	J	0.33	0.067	0.029	mg/Kg		10/27/15 20:07	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		10/27/15 20:07	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		10/27/15 20:07	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		10/27/15 20:07	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		10/27/15 20:07	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		10/27/15 20:07	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 20:07	1
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 20:07	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		10/27/15 20:07	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		10/27/15 20:07	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		10/27/15 20:07	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		10/27/15 20:07	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 20:07	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		10/27/15 20:07	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		10/27/15 20:07	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		10/27/15 20:07	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		10/27/15 20:07	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		10/27/15 20:07	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		10/27/15 20:07	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		10/27/15 20:07	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		10/27/15 20:07	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		10/27/15 20:07	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		10/27/15 20:07	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		10/27/15 20:07	1
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		10/27/15 20:07	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		10/27/15 20:07	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		10/27/15 20:07	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		10/27/15 20:07	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		10/27/15 20:07	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		10/27/15 20:07	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		10/27/15 20:07	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		10/27/15 20:07	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		10/27/15 20:07	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		10/27/15 20:07	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		10/27/15 20:07	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		10/27/15 20:07	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		10/27/15 20:07	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		10/27/15 20:07	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		10/27/15 20:07	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		10/27/15 20:07	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		10/27/15 20:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-406651/21-A
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406651

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		10/27/15 20:07	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		10/27/15 20:07	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		10/27/15 20:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/22/15 12:12*	*10/27/15 20:07*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/22/15 12:12*	*10/27/15 20:07*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*	*10/22/15 12:12*	*10/27/15 20:07*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*10/22/15 12:12*	*10/27/15 20:07*	*1*
Terphenyl-d14 (Surr)	*73*		*60 - 130*	*10/22/15 12:12*	*10/27/15 20:07*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*58 - 130*	*10/22/15 12:12*	*10/27/15 20:07*	*1*

Lab Sample ID: LCS 680-406651/22-A
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.29	2.16		mg/Kg		65	33 - 115
Atrazine	3.29	2.60		mg/Kg		79	47 - 127
Benzaldehyde	3.29	0.568		mg/Kg		17	10 - 130
1,1'-Biphenyl	3.29	2.47		mg/Kg		75	40 - 117
Bis(2-chloroethoxy)methane	3.29	2.39		mg/Kg		72	36 - 121
Bis(2-chloroethyl)ether	3.29	2.20		mg/Kg		67	31 - 120
bis (2-chloroisopropyl) ether	3.29	2.59		mg/Kg		79	33 - 131
Bis(2-ethylhexyl) phthalate	3.29	2.91		mg/Kg		88	51 - 133
4-Bromophenyl phenyl ether	3.29	2.47		mg/Kg		75	46 - 124
Butyl benzyl phthalate	3.29	2.94		mg/Kg		89	48 - 132
Caprolactam	3.29	2.90		mg/Kg		88	46 - 117
Carbazole	3.29	2.78		mg/Kg		85	50 - 123
4-Chloroaniline	3.29	1.62		mg/Kg		49	17 - 106
4-Chloro-3-methylphenol	3.29	2.83		mg/Kg		86	45 - 122
2-Chloronaphthalene	3.29	2.70		mg/Kg		82	41 - 114
2-Chlorophenol	3.29	2.37		mg/Kg		72	34 - 121
4-Chlorophenyl phenyl ether	3.29	2.62		mg/Kg		80	45 - 121
Dibenzofuran	3.29	2.54		mg/Kg		77	44 - 120
3,3'-Dichlorobenzidine	3.29	2.32		mg/Kg		71	22 - 121
2,4-Dichlorophenol	3.29	2.52		mg/Kg		76	40 - 122
Diethyl phthalate	3.29	2.70		mg/Kg		82	50 - 124
2,4-Dimethylphenol	3.29	2.55		mg/Kg		78	30 - 127
Dimethyl phthalate	3.29	2.69		mg/Kg		82	48 - 124
Di-n-butyl phthalate	3.29	2.79		mg/Kg		85	51 - 128
2-Methyl-4,6-dinitrophenol	6.59	4.23		mg/Kg		64	29 - 132
2,4-Dinitrophenol	6.59	2.40		mg/Kg		36	10 - 130
2,4-Dinitrotoluene	3.29	2.69		mg/Kg		82	48 - 126
2,6-Dinitrotoluene	3.29	2.63		mg/Kg		80	46 - 124
Di-n-octyl phthalate	3.29	3.18		mg/Kg		96	45 - 140
1,4-Dioxane	3.29	0.996		mg/Kg		30	14 - 130
Hexachlorobenzene	3.29	2.52		mg/Kg		77	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-406651/22-A
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3.29	2.17		mg/Kg		66	32 - 123
Hexachlorocyclopentadiene	3.29	1.42		mg/Kg		43	28 - 130
Hexachloroethane	3.29	2.00		mg/Kg		61	28 - 117
Isophorone	3.29	2.54		mg/Kg		77	30 - 122
2-Methylphenol	3.29	2.65		mg/Kg		80	32 - 122
3 & 4 Methylphenol	3.29	2.66		mg/Kg		81	34 - 119
2-Nitroaniline	3.29	2.92		mg/Kg		89	44 - 127
3-Nitroaniline	3.29	2.27		mg/Kg		69	33 - 119
4-Nitroaniline	3.29	2.69		mg/Kg		82	41 - 130
Nitrobenzene	3.29	2.32		mg/Kg		70	34 - 122
2-Nitrophenol	3.29	2.48		mg/Kg		75	36 - 123
4-Nitrophenol	6.59	6.31		mg/Kg		96	30 - 132
N-Nitrosodi-n-propylamine	3.29	2.60		mg/Kg		79	36 - 120
N-Nitrosodiphenylamine	6.59	5.08		mg/Kg		77	38 - 127
Pentachlorophenol	6.59	5.43		mg/Kg		82	25 - 133
Phenol	3.29	2.41		mg/Kg		73	34 - 121
1,2,4,5-Tetrachlorobenzene	3.29	2.34		mg/Kg		71	37 - 119
2,3,4,6-Tetrachlorophenol	3.29	2.87		mg/Kg		87	44 - 125
2,4,5-Trichlorophenol	3.29	2.76		mg/Kg		84	41 - 124
2,4,6-Trichlorophenol	3.29	2.71		mg/Kg		82	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*58 - 130*
2-Fluorophenol (Surr)	*67*		*40 - 130*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*
Phenol-d5 (Surr)	*73*		*49 - 130*
Terphenyl-d14 (Surr)	*77*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*83*		*58 - 130*

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	0.48	U	18.1	10.3		mg/Kg	☼	57	33 - 115
Atrazine	0.48	U	18.1	11.9		mg/Kg	☼	66	47 - 127
Benzaldehyde	1.2	U Q	18.1	5.86		mg/Kg	☼	32	10 - 130
1,1'-Biphenyl	12	U	18.1	11.6		mg/Kg	☼	64	40 - 117
Bis(2-chloroethoxy)methane	0.48	U	18.1	11.2		mg/Kg	☼	62	36 - 121
Bis(2-chloroethyl)ether	1.2	U	18.1	10.3		mg/Kg	☼	57	31 - 120
bis (2-chloroisopropyl) ether	0.48	U	18.1	11.0		mg/Kg	☼	61	33 - 131
Bis(2-ethylhexyl) phthalate	1.0	J	18.1	13.6		mg/Kg	☼	70	51 - 133
4-Bromophenyl phenyl ether	0.48	U	18.1	11.6		mg/Kg	☼	64	46 - 124
Butyl benzyl phthalate	0.48	U	18.1	13.4		mg/Kg	☼	74	48 - 132
Caprolactam	1.2	U	18.1	12.1		mg/Kg	☼	67	46 - 117
Carbazole	0.48	U	18.1	12.6		mg/Kg	☼	70	50 - 123
4-Chloroaniline	1.2	U	18.1	8.99		mg/Kg	☼	50	17 - 106
4-Chloro-3-methylphenol	0.48	U	18.1	13.0		mg/Kg	☼	72	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	0.48	U	18.1	12.2		mg/Kg	☼	68	41 - 114
2-Chlorophenol	0.48	U	18.1	11.6		mg/Kg	☼	64	34 - 121
4-Chlorophenyl phenyl ether	0.48	U	18.1	11.9		mg/Kg	☼	66	45 - 121
Dibenzofuran	0.48	U	18.1	11.8		mg/Kg	☼	65	44 - 120
3,3'-Dichlorobenzidine	0.48	U	18.1	8.39		mg/Kg	☼	46	22 - 121
2,4-Dichlorophenol	0.48	U	18.1	12.2		mg/Kg	☼	68	40 - 122
Diethyl phthalate	0.48	U	18.1	12.8		mg/Kg	☼	71	50 - 124
2,4-Dimethylphenol	1.2	U	18.1	11.8		mg/Kg	☼	66	30 - 127
Dimethyl phthalate	0.48	U	18.1	12.2		mg/Kg	☼	67	48 - 124
Di-n-butyl phthalate	0.48	U	18.1	12.7		mg/Kg	☼	70	51 - 128
2-Methyl-4,6-dinitrophenol	2.4	U	36.1	17.1		mg/Kg	☼	47	29 - 132
2,4-Dinitrophenol	9.3	U	36.1	9.81		mg/Kg	☼	27	10 - 130
2,4-Dinitrotoluene	1.2	U	18.1	12.6		mg/Kg	☼	70	48 - 126
2,6-Dinitrotoluene	0.48	U	18.1	12.2		mg/Kg	☼	68	46 - 124
Di-n-octyl phthalate	0.48	U	18.1	14.4		mg/Kg	☼	80	45 - 140
1,4-Dioxane	2.4	U	18.1	5.41		mg/Kg	☼	30	14 - 130
Hexachlorobenzene	0.48	U	18.1	11.0		mg/Kg	☼	61	45 - 122
Hexachlorobutadiene	0.48	U	18.1	10.5		mg/Kg	☼	58	32 - 123
Hexachlorocyclopentadiene	0.48	U J	18.1	4.26	J	mg/Kg	☼	24	28 - 130
Hexachloroethane	0.48	U	18.1	9.54		mg/Kg	☼	53	28 - 117
Isophorone	0.48	U	18.1	11.5		mg/Kg	☼	64	30 - 122
2-Methylphenol	0.48	U	18.1	11.7		mg/Kg	☼	65	32 - 122
3 & 4 Methylphenol	0.48	U	18.1	11.6		mg/Kg	☼	64	34 - 119
2-Nitroaniline	0.48	U	18.1	12.6		mg/Kg	☼	70	44 - 127
3-Nitroaniline	1.2	U	18.1	11.3		mg/Kg	☼	62	33 - 119
4-Nitroaniline	1.2	U	18.1	12.5		mg/Kg	☼	70	41 - 130
Nitrobenzene	0.48	U	18.1	10.8		mg/Kg	☼	60	34 - 122
2-Nitrophenol	0.48	U	18.1	11.4		mg/Kg	☼	63	36 - 123
4-Nitrophenol	4.8	U	36.1	27.7		mg/Kg	☼	77	30 - 132
N-Nitrosodi-n-propylamine	0.48	U	18.1	11.3		mg/Kg	☼	63	36 - 120
N-Nitrosodiphenylamine	0.59	U	36.1	23.0		mg/Kg	☼	64	38 - 127
Pentachlorophenol	4.8	U	36.1	23.5		mg/Kg	☼	65	25 - 133
Phenol	0.48	U	18.1	10.9		mg/Kg	☼	61	34 - 121
1,2,4,5-Tetrachlorobenzene	0.48	U	18.1	11.2		mg/Kg	☼	62	37 - 119
2,3,4,6-Tetrachlorophenol	0.48	U	18.1	12.7		mg/Kg	☼	70	44 - 125
2,4,5-Trichlorophenol	0.48	U	18.1	12.5		mg/Kg	☼	69	41 - 124
2,4,6-Trichlorophenol	0.48	U	18.1	12.7		mg/Kg	☼	70	39 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*61*		*58 - 130*
2-Fluorophenol (Surr)	*61*		*40 - 130*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*
Phenol-d5 (Surr)	*62*		*49 - 130*
Terphenyl-d14 (Surr)	*62*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406651

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	0.48	U	17.5	9.48		mg/Kg	☼	54	33 - 115	8	20
Atrazine	0.48	U	17.5	11.3		mg/Kg	☼	65	47 - 127	6	20
Benzaldehyde	1.2	U Q	17.5	4.99		mg/Kg	☼	29	10 - 130	16	20
1,1'-Biphenyl	12	U	17.5	10.9		mg/Kg	☼	62	40 - 117	7	20
Bis(2-chloroethoxy)methane	0.48	U	17.5	9.74		mg/Kg	☼	56	36 - 121	14	20
Bis(2-chloroethyl)ether	1.2	U	17.5	9.63		mg/Kg	☼	55	31 - 120	6	20
bis (2-chloroisopropyl) ether	0.48	U	17.5	10.6		mg/Kg	☼	61	33 - 131	4	20
Bis(2-ethylhexyl) phthalate	1.0	J	17.5	12.6		mg/Kg	☼	66	51 - 133	7	20
4-Bromophenyl phenyl ether	0.48	U	17.5	10.5		mg/Kg	☼	60	46 - 124	10	20
Butyl benzyl phthalate	0.48	U	17.5	11.9		mg/Kg	☼	68	48 - 132	12	20
Caprolactam	1.2	U	17.5	11.0		mg/Kg	☼	63	46 - 117	9	20
Carbazole	0.48	U	17.5	12.6		mg/Kg	☼	72	50 - 123	1	20
4-Chloroaniline	1.2	U	17.5	7.69		mg/Kg	☼	44	17 - 106	16	20
4-Chloro-3-methylphenol	0.48	U	17.5	11.5		mg/Kg	☼	66	45 - 122	13	20
2-Chloronaphthalene	0.48	U	17.5	11.9		mg/Kg	☼	68	41 - 114	2	20
2-Chlorophenol	0.48	U	17.5	10.5		mg/Kg	☼	60	34 - 121	10	20
4-Chlorophenyl phenyl ether	0.48	U	17.5	11.1		mg/Kg	☼	63	45 - 121	7	20
Dibenzofuran	0.48	U	17.5	11.5		mg/Kg	☼	66	44 - 120	3	20
3,3'-Dichlorobenzidine	0.48	U	17.5	7.91		mg/Kg	☼	45	22 - 121	6	20
2,4-Dichlorophenol	0.48	U	17.5	11.2		mg/Kg	☼	64	40 - 122	9	20
Diethyl phthalate	0.48	U	17.5	11.7		mg/Kg	☼	67	50 - 124	9	20
2,4-Dimethylphenol	1.2	U	17.5	10.7		mg/Kg	☼	61	30 - 127	10	20
Dimethyl phthalate	0.48	U	17.5	11.7		mg/Kg	☼	67	48 - 124	4	20
Di-n-butyl phthalate	0.48	U	17.5	11.8		mg/Kg	☼	68	51 - 128	7	20
2-Methyl-4,6-dinitrophenol	2.4	U	34.9	15.5		mg/Kg	☼	44	29 - 132	10	20
2,4-Dinitrophenol	9.3	U	34.9	8.97		mg/Kg	☼	26	10 - 130	9	20
2,4-Dinitrotoluene	1.2	U	17.5	11.9		mg/Kg	☼	68	48 - 126	6	20
2,6-Dinitrotoluene	0.48	U	17.5	11.4		mg/Kg	☼	65	46 - 124	7	20
Di-n-octyl phthalate	0.48	U	17.5	13.1		mg/Kg	☼	75	45 - 140	10	20
1,4-Dioxane	2.4	U	17.5	5.02		mg/Kg	☼	29	14 - 130	7	20
Hexachlorobenzene	0.48	U	17.5	10.4		mg/Kg	☼	60	45 - 122	6	20
Hexachlorobutadiene	0.48	U	17.5	9.68		mg/Kg	☼	55	32 - 123	8	20
Hexachlorocyclopentadiene	0.48	U J	17.5	4.03	J	mg/Kg	☼	23	28 - 130	6	20
Hexachloroethane	0.48	U	17.5	8.85		mg/Kg	☼	51	28 - 117	7	20
Isophorone	0.48	U	17.5	10.1		mg/Kg	☼	58	30 - 122	12	20
2-Methylphenol	0.48	U	17.5	11.1		mg/Kg	☼	63	32 - 122	5	20
3 & 4 Methylphenol	0.48	U	17.5	10.8		mg/Kg	☼	62	34 - 119	7	20
2-Nitroaniline	0.48	U	17.5	12.3		mg/Kg	☼	70	44 - 127	3	20
3-Nitroaniline	1.2	U	17.5	11.0		mg/Kg	☼	63	33 - 119	3	20
4-Nitroaniline	1.2	U	17.5	12.3		mg/Kg	☼	70	41 - 130	2	20
Nitrobenzene	0.48	U	17.5	9.62		mg/Kg	☼	55	34 - 122	11	20
2-Nitrophenol	0.48	U	17.5	10.5		mg/Kg	☼	60	36 - 123	9	20
4-Nitrophenol	4.8	U	34.9	28.1		mg/Kg	☼	80	30 - 132	2	20
N-Nitrosodi-n-propylamine	0.48	U	17.5	10.8		mg/Kg	☼	62	36 - 120	5	20
N-Nitrosodiphenylamine	0.59	U	34.9	21.4		mg/Kg	☼	61	38 - 127	8	20
Pentachlorophenol	4.8	U	34.9	22.4		mg/Kg	☼	64	25 - 133	5	20
Phenol	0.48	U	17.5	9.87		mg/Kg	☼	56	34 - 121	10	20
1,2,4,5-Tetrachlorobenzene	0.48	U	17.5	10.5		mg/Kg	☼	60	37 - 119	7	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407684

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406651

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,4,6-Tetrachlorophenol	0.48	U	17.5	12.4		mg/Kg	☼	71	44 - 125	2	20
2,4,5-Trichlorophenol	0.48	U	17.5	11.8		mg/Kg	☼	67	41 - 124	6	20
2,4,6-Trichlorophenol	0.48	U	17.5	11.4		mg/Kg	☼	65	39 - 126	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*58*		*58 - 130*
2-Fluorophenol (Surr)	*53*		*40 - 130*
Nitrobenzene-d5 (Surr)	*54*		*46 - 130*
Phenol-d5 (Surr)	*57*		*49 - 130*
Terphenyl-d14 (Surr)	*58*	Q	*60 - 130*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*

Lab Sample ID: MB 680-407027/21-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407027

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.066	U	0.33	0.066	0.028	mg/Kg		11/01/15 18:31	1
Atrazine	0.066	U	0.33	0.066	0.023	mg/Kg		11/01/15 18:31	1
Benzaldehyde	0.17	U Q	0.33	0.17	0.057	mg/Kg		11/01/15 18:31	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/01/15 18:31	1
Bis(2-chloroethoxy)methane	0.066	U	0.33	0.066	0.038	mg/Kg		11/01/15 18:31	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.044	mg/Kg		11/01/15 18:31	1
bis (2-chloroisopropyl) ether	0.066	U	0.33	0.066	0.030	mg/Kg		11/01/15 18:31	1
Bis(2-ethylhexyl) phthalate	0.066	U	0.33	0.066	0.029	mg/Kg		11/01/15 18:31	1
4-Bromophenyl phenyl ether	0.066	U	0.33	0.066	0.035	mg/Kg		11/01/15 18:31	1
Butyl benzyl phthalate	0.066	U	0.33	0.066	0.026	mg/Kg		11/01/15 18:31	1
Caprolactam	0.17	U	0.33	0.17	0.065	mg/Kg		11/01/15 18:31	1
Carbazole	0.066	U	0.33	0.066	0.030	mg/Kg		11/01/15 18:31	1
4-Chloroaniline	0.17	U	0.65	0.17	0.051	mg/Kg		11/01/15 18:31	1
4-Chloro-3-methylphenol	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1
2-Chloronaphthalene	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1
2-Chlorophenol	0.066	U	0.33	0.066	0.039	mg/Kg		11/01/15 18:31	1
4-Chlorophenyl phenyl ether	0.066	U	0.33	0.066	0.043	mg/Kg		11/01/15 18:31	1
Dibenzofuran	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
3,3'-Dichlorobenzidine	0.066	U	0.65	0.066	0.028	mg/Kg		11/01/15 18:31	1
2,4-Dichlorophenol	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1
Diethyl phthalate	0.066	U	0.33	0.066	0.036	mg/Kg		11/01/15 18:31	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.043	mg/Kg		11/01/15 18:31	1
Dimethyl phthalate	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
Di-n-butyl phthalate	0.066	U	0.33	0.066	0.030	mg/Kg		11/01/15 18:31	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/01/15 18:31	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.82	mg/Kg		11/01/15 18:31	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.048	mg/Kg		11/01/15 18:31	1
2,6-Dinitrotoluene	0.066	U	0.33	0.066	0.041	mg/Kg		11/01/15 18:31	1
Di-n-octyl phthalate	0.066	U	0.33	0.066	0.029	mg/Kg		11/01/15 18:31	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/01/15 18:31	1
Hexachlorobenzene	0.066	U	0.33	0.066	0.038	mg/Kg		11/01/15 18:31	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-407027/21-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407027

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	0.066	U	0.33	0.066	0.035	mg/Kg		11/01/15 18:31	1
Hexachlorocyclopentadiene	0.066	U	0.33	0.066	0.040	mg/Kg		11/01/15 18:31	1
Hexachloroethane	0.066	U	0.33	0.066	0.028	mg/Kg		11/01/15 18:31	1
Isophorone	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
2-Methylphenol	0.066	U	0.33	0.066	0.027	mg/Kg		11/01/15 18:31	1
3 & 4 Methylphenol	0.066	U	0.33	0.066	0.042	mg/Kg		11/01/15 18:31	1
2-Nitroaniline	0.066	U	1.7	0.066	0.044	mg/Kg		11/01/15 18:31	1
3-Nitroaniline	0.17	U	1.7	0.17	0.045	mg/Kg		11/01/15 18:31	1
4-Nitroaniline	0.17	U	1.7	0.17	0.048	mg/Kg		11/01/15 18:31	1
Nitrobenzene	0.066	U	0.33	0.066	0.026	mg/Kg		11/01/15 18:31	1
2-Nitrophenol	0.066	U	0.33	0.066	0.040	mg/Kg		11/01/15 18:31	1
4-Nitrophenol	0.66	U	1.7	0.66	0.33	mg/Kg		11/01/15 18:31	1
N-Nitrosodi-n-propylamine	0.066	U	0.33	0.066	0.032	mg/Kg		11/01/15 18:31	1
N-Nitrosodiphenylamine	0.082	U	0.33	0.082	0.033	mg/Kg		11/01/15 18:31	1
Pentachlorophenol	0.66	U	1.7	0.66	0.33	mg/Kg		11/01/15 18:31	1
Phenol	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
1,2,4,5-Tetrachlorobenzene	0.066	U	0.33	0.066	0.031	mg/Kg		11/01/15 18:31	1
2,3,4,6-Tetrachlorophenol	0.066	U	0.33	0.066	0.022	mg/Kg		11/01/15 18:31	1
2,4,5-Trichlorophenol	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1
2,4,6-Trichlorophenol	0.066	U	0.33	0.066	0.029	mg/Kg		11/01/15 18:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
2-Fluorophenol (Surr)	*48*		*40 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
Phenol-d5 (Surr)	*47*	*Q*	*49 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
Terphenyl-d14 (Surr)	*59*	*Q*	*60 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
2,4,6-Tribromophenol (Surr)	*55*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*

Lab Sample ID: LCS 680-407027/22-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.32	1.85		mg/Kg		56	33 - 115
Atrazine	3.32	2.03		mg/Kg		61	47 - 127
Benzaldehyde	3.32	0.790		mg/Kg		24	10 - 130
1,1'-Biphenyl	3.32	1.97		mg/Kg		59	40 - 117
Bis(2-chloroethoxy)methane	3.32	1.88		mg/Kg		57	36 - 121
Bis(2-chloroethyl)ether	3.32	1.74		mg/Kg		52	31 - 120
bis (2-chloroisopropyl) ether	3.32	2.01		mg/Kg		60	33 - 131
Bis(2-ethylhexyl) phthalate	3.32	2.20		mg/Kg		66	51 - 133
4-Bromophenyl phenyl ether	3.32	2.09		mg/Kg		63	46 - 124
Butyl benzyl phthalate	3.32	2.20		mg/Kg		66	48 - 132
Caprolactam	3.32	2.11		mg/Kg		64	46 - 117
Carbazole	3.32	2.20		mg/Kg		66	50 - 123
4-Chloroaniline	3.32	1.59		mg/Kg		48	17 - 106
4-Chloro-3-methylphenol	3.32	2.23		mg/Kg		67	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-407027/22-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	3.32	2.02		mg/Kg		61	41 - 114
2-Chlorophenol	3.32	1.91		mg/Kg		58	34 - 121
4-Chlorophenyl phenyl ether	3.32	2.05		mg/Kg		62	45 - 121
Dibenzofuran	3.32	2.01		mg/Kg		61	44 - 120
3,3'-Dichlorobenzidine	3.32	1.96		mg/Kg		59	22 - 121
2,4-Dichlorophenol	3.32	2.01		mg/Kg		60	40 - 122
Diethyl phthalate	3.32	2.21		mg/Kg		66	50 - 124
2,4-Dimethylphenol	3.32	2.00		mg/Kg		60	30 - 127
Dimethyl phthalate	3.32	2.14		mg/Kg		64	48 - 124
Di-n-butyl phthalate	3.32	2.21		mg/Kg		67	51 - 128
2-Methyl-4,6-dinitrophenol	6.64	3.03		mg/Kg		46	29 - 132
2,4-Dinitrophenol	6.64	2.69		mg/Kg		40	10 - 130
2,4-Dinitrotoluene	3.32	2.10		mg/Kg		63	48 - 126
2,6-Dinitrotoluene	3.32	2.18		mg/Kg		66	46 - 124
Di-n-octyl phthalate	3.32	2.23		mg/Kg		67	45 - 140
1,4-Dioxane	3.32	1.04		mg/Kg		31	14 - 130
Hexachlorobenzene	3.32	2.03		mg/Kg		61	45 - 122
Hexachlorobutadiene	3.32	1.99		mg/Kg		60	32 - 123
Hexachlorocyclopentadiene	3.32	0.751	Q	mg/Kg		23	28 - 130
Hexachloroethane	3.32	1.67		mg/Kg		50	28 - 117
Isophorone	3.32	1.94		mg/Kg		59	30 - 122
2-Methylphenol	3.32	1.97		mg/Kg		59	32 - 122
3 & 4 Methylphenol	3.32	2.00		mg/Kg		60	34 - 119
2-Nitroaniline	3.32	2.10		mg/Kg		63	44 - 127
3-Nitroaniline	3.32	1.79		mg/Kg		54	33 - 119
4-Nitroaniline	3.32	1.87		mg/Kg		56	41 - 130
Nitrobenzene	3.32	1.92		mg/Kg		58	34 - 122
2-Nitrophenol	3.32	1.95		mg/Kg		59	36 - 123
4-Nitrophenol	6.64	4.68		mg/Kg		70	30 - 132
N-Nitrosodi-n-propylamine	3.32	1.89		mg/Kg		57	36 - 120
N-Nitrosodiphenylamine	6.64	4.13		mg/Kg		62	38 - 127
Pentachlorophenol	6.64	4.22		mg/Kg		64	25 - 133
Phenol	3.32	1.88		mg/Kg		57	34 - 121
1,2,4,5-Tetrachlorobenzene	3.32	1.98		mg/Kg		60	37 - 119
2,3,4,6-Tetrachlorophenol	3.32	2.20		mg/Kg		66	44 - 125
2,4,5-Trichlorophenol	3.32	2.10		mg/Kg		63	41 - 124
2,4,6-Trichlorophenol	3.32	2.11		mg/Kg		63	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*55*	*Q*	*58 - 130*
2-Fluorophenol (Surr)	*53*		*40 - 130*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*
Phenol-d5 (Surr)	*56*		*49 - 130*
Terphenyl-d14 (Surr)	*63*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-408525/13-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408525

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 02:09	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		11/04/15 02:09	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		11/04/15 02:09	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/04/15 02:09	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 02:09	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		11/04/15 02:09	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:09	1
Bis(2-ethylhexyl) phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:09	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 02:09	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 02:09	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		11/04/15 02:09	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:09	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		11/04/15 02:09	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		11/04/15 02:09	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		11/04/15 02:09	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 02:09	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		11/04/15 02:09	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		11/04/15 02:09	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		11/04/15 02:09	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 02:09	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:09	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/04/15 02:09	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		11/04/15 02:09	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		11/04/15 02:09	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		11/04/15 02:09	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:09	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/04/15 02:09	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 02:09	1
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 02:09	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 02:09	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 02:09	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 02:09	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		11/04/15 02:09	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		11/04/15 02:09	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		11/04/15 02:09	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		11/04/15 02:09	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		11/04/15 02:09	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 02:09	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 02:09	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 02:09	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		11/04/15 02:09	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		11/04/15 02:09	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 02:09	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 02:09	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		11/04/15 02:09	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-408525/13-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408525

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		11/04/15 02:09	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:09	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*58 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
Phenol-d5 (Surr)	*61*		*49 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
Terphenyl-d14 (Surr)	*79*		*60 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*
2,4,6-Tribromophenol (Surr)	*56*	*Q*	*58 - 130*	*11/02/15 11:31*	*11/04/15 02:09*	*1*

Lab Sample ID: LCS 680-408525/14-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.34	2.13		mg/Kg		64	33 - 115
Atrazine	3.34	2.56		mg/Kg		77	47 - 127
Benzaldehyde	3.34	0.486		mg/Kg		15	10 - 130
1,1'-Biphenyl	3.34	2.39		mg/Kg		72	40 - 117
Bis(2-chloroethoxy)methane	3.34	2.28		mg/Kg		68	36 - 121
Bis(2-chloroethyl)ether	3.34	2.27		mg/Kg		68	31 - 120
bis (2-chloroisopropyl) ether	3.34	2.35		mg/Kg		70	33 - 131
Bis(2-ethylhexyl) phthalate	3.34	2.98		mg/Kg		89	51 - 133
4-Bromophenyl phenyl ether	3.34	2.38		mg/Kg		71	46 - 124
Butyl benzyl phthalate	3.34	2.86		mg/Kg		86	48 - 132
Caprolactam	3.34	2.55		mg/Kg		77	46 - 117
Carbazole	3.34	2.68		mg/Kg		80	50 - 123
4-Chloroaniline	3.34	0.764		mg/Kg		23	17 - 106
4-Chloro-3-methylphenol	3.34	2.46		mg/Kg		74	45 - 122
2-Chloronaphthalene	3.34	2.33		mg/Kg		70	41 - 114
2-Chlorophenol	3.34	2.33		mg/Kg		70	34 - 121
4-Chlorophenyl phenyl ether	3.34	2.33		mg/Kg		70	45 - 121
Dibenzofuran	3.34	2.42		mg/Kg		73	44 - 120
3,3'-Dichlorobenzidine	3.34	1.80		mg/Kg		54	22 - 121
2,4-Dichlorophenol	3.34	2.39		mg/Kg		72	40 - 122
Diethyl phthalate	3.34	2.52		mg/Kg		75	50 - 124
2,4-Dimethylphenol	3.34	2.34		mg/Kg		70	30 - 127
Dimethyl phthalate	3.34	2.46		mg/Kg		74	48 - 124
Di-n-butyl phthalate	3.34	2.73		mg/Kg		82	51 - 128
2-Methyl-4,6-dinitrophenol	6.68	4.41		mg/Kg		66	29 - 132
2,4-Dinitrophenol	6.68	3.74		mg/Kg		56	10 - 130
2,4-Dinitrotoluene	3.34	2.81		mg/Kg		84	48 - 126
2,6-Dinitrotoluene	3.34	2.65		mg/Kg		79	46 - 124
Di-n-octyl phthalate	3.34	3.26		mg/Kg		98	45 - 140
1,4-Dioxane	3.34	1.28		mg/Kg		38	14 - 130
Hexachlorobenzene	3.34	2.36		mg/Kg		71	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-408525/14-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3.34	2.01		mg/Kg		60	32 - 123
Hexachlorocyclopentadiene	3.34	1.05		mg/Kg		32	28 - 130
Hexachloroethane	3.34	2.06		mg/Kg		62	28 - 117
Isophorone	3.34	2.31		mg/Kg		69	30 - 122
2-Methylphenol	3.34	2.44		mg/Kg		73	32 - 122
3 & 4 Methylphenol	3.34	2.48		mg/Kg		74	34 - 119
2-Nitroaniline	3.34	2.65		mg/Kg		79	44 - 127
3-Nitroaniline	3.34	1.21	J	mg/Kg		36	33 - 119
4-Nitroaniline	3.34	2.24		mg/Kg		67	41 - 130
Nitrobenzene	3.34	2.20		mg/Kg		66	34 - 122
2-Nitrophenol	3.34	2.51		mg/Kg		75	36 - 123
4-Nitrophenol	6.68	5.49		mg/Kg		82	30 - 132
N-Nitrosodi-n-propylamine	3.34	2.32		mg/Kg		69	36 - 120
N-Nitrosodiphenylamine	6.68	5.25		mg/Kg		79	38 - 127
Pentachlorophenol	6.68	4.63		mg/Kg		69	25 - 133
Phenol	3.34	2.34		mg/Kg		70	34 - 121
1,2,4,5-Tetrachlorobenzene	3.34	2.11		mg/Kg		63	37 - 119
2,3,4,6-Tetrachlorophenol	3.34	2.48		mg/Kg		74	44 - 125
2,4,5-Trichlorophenol	3.34	2.45		mg/Kg		73	41 - 124
2,4,6-Trichlorophenol	3.34	2.48		mg/Kg		74	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*
2-Fluorophenol (Surr)	*68*		*40 - 130*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*
Phenol-d5 (Surr)	*71*		*49 - 130*
Terphenyl-d14 (Surr)	*76*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*

Lab Sample ID: MB 680-408781/20-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408781

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 17:41	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		11/04/15 17:41	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		11/04/15 17:41	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/04/15 17:41	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 17:41	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		11/04/15 17:41	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 17:41	1
Bis(2-ethylhexyl) phthalate	0.0406	J	0.33	0.067	0.029	mg/Kg		11/04/15 17:41	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 17:41	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 17:41	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		11/04/15 17:41	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 17:41	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		11/04/15 17:41	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-408781/20-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408781

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		11/04/15 17:41	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		11/04/15 17:41	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 17:41	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		11/04/15 17:41	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		11/04/15 17:41	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		11/04/15 17:41	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 17:41	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 17:41	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/04/15 17:41	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		11/04/15 17:41	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		11/04/15 17:41	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		11/04/15 17:41	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 17:41	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/04/15 17:41	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 17:41	1
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 17:41	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 17:41	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 17:41	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 17:41	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		11/04/15 17:41	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		11/04/15 17:41	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		11/04/15 17:41	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		11/04/15 17:41	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		11/04/15 17:41	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 17:41	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 17:41	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 17:41	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		11/04/15 17:41	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		11/04/15 17:41	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 17:41	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 17:41	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		11/04/15 17:41	1
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		11/04/15 17:41	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*58 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
Phenol-d5 (Surr)	*67*		*49 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*58 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-408781/21-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.38	2.17		mg/Kg		64	33 - 115
Atrazine	3.38	2.35		mg/Kg		69	47 - 127
Benzaldehyde	3.38	0.434		mg/Kg		13	10 - 130
1,1'-Biphenyl	3.38	2.54		mg/Kg		75	40 - 117
Bis(2-chloroethoxy)methane	3.38	2.25		mg/Kg		67	36 - 121
Bis(2-chloroethyl)ether	3.38	2.12		mg/Kg		63	31 - 120
bis (2-chloroisopropyl) ether	3.38	2.28		mg/Kg		67	33 - 131
Bis(2-ethylhexyl) phthalate	3.38	2.44		mg/Kg		72	51 - 133
4-Bromophenyl phenyl ether	3.38	2.15		mg/Kg		64	46 - 124
Butyl benzyl phthalate	3.38	2.43		mg/Kg		72	48 - 132
Caprolactam	3.38	2.33		mg/Kg		69	46 - 117
Carbazole	3.38	2.45		mg/Kg		73	50 - 123
4-Chloroaniline	3.38	0.990		mg/Kg		29	17 - 106
4-Chloro-3-methylphenol	3.38	2.42		mg/Kg		72	45 - 122
2-Chloronaphthalene	3.38	2.48		mg/Kg		73	41 - 114
2-Chlorophenol	3.38	2.23		mg/Kg		66	34 - 121
4-Chlorophenyl phenyl ether	3.38	2.35		mg/Kg		70	45 - 121
Dibenzofuran	3.38	2.32		mg/Kg		69	44 - 120
3,3'-Dichlorobenzidine	3.38	1.27		mg/Kg		38	22 - 121
2,4-Dichlorophenol	3.38	2.45		mg/Kg		72	40 - 122
Diethyl phthalate	3.38	2.55		mg/Kg		75	50 - 124
2,4-Dimethylphenol	3.38	2.33		mg/Kg		69	30 - 127
Dimethyl phthalate	3.38	2.44		mg/Kg		72	48 - 124
Di-n-butyl phthalate	3.38	2.51		mg/Kg		74	51 - 128
2-Methyl-4,6-dinitrophenol	6.77	3.28		mg/Kg		48	29 - 132
2,4-Dinitrophenol	6.77	2.43		mg/Kg		36	10 - 130
2,4-Dinitrotoluene	3.38	2.48		mg/Kg		73	48 - 126
2,6-Dinitrotoluene	3.38	2.48		mg/Kg		73	46 - 124
Di-n-octyl phthalate	3.38	2.52		mg/Kg		74	45 - 140
1,4-Dioxane	3.38	0.864		mg/Kg		26	14 - 130
Hexachlorobenzene	3.38	2.24		mg/Kg		66	45 - 122
Hexachlorobutadiene	3.38	2.25		mg/Kg		67	32 - 123
Hexachlorocyclopentadiene	3.38	1.38		mg/Kg		41	28 - 130
Hexachloroethane	3.38	1.91		mg/Kg		56	28 - 117
Isophorone	3.38	2.23		mg/Kg		66	30 - 122
2-Methylphenol	3.38	2.14		mg/Kg		63	32 - 122
3 & 4 Methylphenol	3.38	2.24		mg/Kg		66	34 - 119
2-Nitroaniline	3.38	2.80		mg/Kg		83	44 - 127
3-Nitroaniline	3.38	1.45	J	mg/Kg		43	33 - 119
4-Nitroaniline	3.38	1.91		mg/Kg		57	41 - 130
Nitrobenzene	3.38	2.25		mg/Kg		67	34 - 122
2-Nitrophenol	3.38	2.25		mg/Kg		66	36 - 123
4-Nitrophenol	6.77	4.97		mg/Kg		73	30 - 132
N-Nitrosodi-n-propylamine	3.38	2.20		mg/Kg		65	36 - 120
N-Nitrosodiphenylamine	6.77	4.28		mg/Kg		63	38 - 127
Pentachlorophenol	6.77	4.76		mg/Kg		70	25 - 133
Phenol	3.38	2.09		mg/Kg		62	34 - 121
1,2,4,5-Tetrachlorobenzene	3.38	2.64		mg/Kg		78	37 - 119

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-408781/21-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,4,6-Tetrachlorophenol	3.38	2.53		mg/Kg		75	44 - 125
2,4,5-Trichlorophenol	3.38	2.70		mg/Kg		80	41 - 124
2,4,6-Trichlorophenol	3.38	2.70		mg/Kg		80	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*58 - 130*
2-Fluorophenol (Surr)	*52*		*40 - 130*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*
Phenol-d5 (Surr)	*62*		*49 - 130*
Terphenyl-d14 (Surr)	*66*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*75*		*58 - 130*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-406649/21-A
Matrix: Solid
Analysis Batch: 407637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406649

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Acenaphthylene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Benzo[a]anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Benzo[a]pyrene	0.0033	U	0.0067	0.0033	0.0012	mg/Kg		10/27/15 14:54	1
Benzo[b]fluoranthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Benzo[g,h,i]perylene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Benzo[k]fluoranthene	0.0033	U	0.0067	0.0033	0.0020	mg/Kg		10/27/15 14:54	1
Chrysene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Fluoranthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Fluorene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Indeno[1,2,3-cd]pyrene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Dibenz(a,h)anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Naphthalene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
Phenanthrene	0.0033	U	0.0067	0.0033	0.0024	mg/Kg		10/27/15 14:54	1
Pyrene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1
1-Methylnaphthalene	0.0033	U	0.0067	0.0033	0.0031	mg/Kg		10/27/15 14:54	1
2-Methylnaphthalene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*36 - 131*	*10/22/15 11:40*	*10/27/15 14:54*	*1*

Lab Sample ID: LCS 680-406649/22-A
Matrix: Solid
Analysis Batch: 407779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.334	0.186		mg/Kg		56	40 - 123

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-406649/22-A
Matrix: Solid
Analysis Batch: 407779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	0.334	0.188		mg/Kg		56	32 - 132
Anthracene	0.334	0.195		mg/Kg		58	47 - 123
Benzo[a]anthracene	0.334	0.200		mg/Kg		60	49 - 126
Benzo[a]pyrene	0.334	0.196		mg/Kg		59	45 - 129
Benzo[b]fluoranthene	0.334	0.189		mg/Kg		57	45 - 132
Benzo[g,h,i]perylene	0.334	0.193		mg/Kg		58	43 - 134
Benzo[k]fluoranthene	0.334	0.194		mg/Kg		58	47 - 132
Chrysene	0.334	0.198		mg/Kg		59	50 - 124
Fluoranthene	0.334	0.203		mg/Kg		61	50 - 127
Fluorene	0.334	0.198		mg/Kg		59	43 - 125
Indeno[1,2,3-cd]pyrene	0.334	0.212		mg/Kg		63	45 - 133
Dibenz(a,h)anthracene	0.334	0.209		mg/Kg		62	45 - 134
Naphthalene	0.334	0.185		mg/Kg		55	35 - 123
Phenanthrene	0.334	0.188		mg/Kg		56	50 - 121
Pyrene	0.334	0.186		mg/Kg		56	47 - 127
1-Methylnaphthalene	0.334	0.189		mg/Kg		56	40 - 119
2-Methylnaphthalene	0.334	0.190		mg/Kg		57	38 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*54*		*36 - 131*

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407637

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.26	U	2.04	1.13	D	mg/Kg	☼	56	40 - 123
Acenaphthylene	0.26	U	2.04	1.14	D	mg/Kg	☼	56	32 - 132
Anthracene	0.26	U	2.04	1.16	D	mg/Kg	☼	57	47 - 123
Benzo[a]anthracene	0.26	U	2.04	1.34	D	mg/Kg	☼	66	49 - 126
Benzo[a]pyrene	0.15	J D	2.04	1.31	D	mg/Kg	☼	57	45 - 129
Benzo[b]fluoranthene	0.28	D	2.04	1.45	D	mg/Kg	☼	58	45 - 132
Benzo[g,h,i]perylene	0.26	U J	2.04	0.803	J D	mg/Kg	☼	39	43 - 134
Benzo[k]fluoranthene	0.13	U	2.04	1.42	D	mg/Kg	☼	70	47 - 132
Chrysene	0.17	J D	2.04	1.35	D	mg/Kg	☼	58	50 - 124
Fluoranthene	0.30	D	2.04	1.51	D	mg/Kg	☼	60	50 - 127
Fluorene	0.26	U	2.04	1.21	D	mg/Kg	☼	60	43 - 125
Indeno[1,2,3-cd]pyrene	0.26	U J	2.04	0.825	J D	mg/Kg	☼	41	45 - 133
Dibenz(a,h)anthracene	0.26	U J	2.04	0.857	J D	mg/Kg	☼	42	45 - 134
Naphthalene	0.26	U	2.04	1.05	D	mg/Kg	☼	52	35 - 123
Phenanthrene	0.13	J D	2.04	1.22	D	mg/Kg	☼	54	50 - 121
Pyrene	0.20	J D	2.04	1.22	D	mg/Kg	☼	50	47 - 127
1-Methylnaphthalene	0.13	U	2.04	1.10	D	mg/Kg	☼	54	40 - 119
2-Methylnaphthalene	0.26	U	2.04	1.13	D	mg/Kg	☼	55	38 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*48*		*36 - 131*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407637

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.26	U	1.88	1.14	D	mg/Kg	☼	60	40 - 123	0	20
Acenaphthylene	0.26	U	1.88	1.13	D	mg/Kg	☼	60	32 - 132	1	20
Anthracene	0.26	U	1.88	1.19	D	mg/Kg	☼	63	47 - 123	3	20
Benzo[a]anthracene	0.26	U	1.88	1.35	D	mg/Kg	☼	72	49 - 126	1	20
Benzo[a]pyrene	0.15	J D	1.88	1.28	D	mg/Kg	☼	60	45 - 129	2	20
Benzo[b]fluoranthene	0.28	D	1.88	1.52	D	mg/Kg	☼	66	45 - 132	4	20
Benzo[g,h,i]perylene	0.26	U J	1.88	0.755	D J	mg/Kg	☼	40	43 - 134	6	20
Benzo[k]fluoranthene	0.13	U	1.88	1.34	D	mg/Kg	☼	71	47 - 132	5	20
Chrysene	0.17	J D	1.88	1.42	D	mg/Kg	☼	66	50 - 124	5	20
Fluoranthene	0.30	D	1.88	1.48	D	mg/Kg	☼	63	50 - 127	2	20
Fluorene	0.26	U	1.88	1.14	D	mg/Kg	☼	61	43 - 125	6	20
Indeno[1,2,3-cd]pyrene	0.26	U J	1.88	0.779	D J	mg/Kg	☼	41	45 - 133	6	20
Dibenz(a,h)anthracene	0.26	U J	1.88	0.848	D	mg/Kg	☼	45	45 - 134	1	20
Naphthalene	0.26	U	1.88	1.07	D	mg/Kg	☼	57	35 - 123	1	20
Phenanthrene	0.13	J D	1.88	1.23	D	mg/Kg	☼	59	50 - 121	1	20
Pyrene	0.20	J D	1.88	1.24	D	mg/Kg	☼	56	47 - 127	2	20
1-Methylnaphthalene	0.13	U	1.88	1.08	D	mg/Kg	☼	57	40 - 119	2	20
2-Methylnaphthalene	0.26	U	1.88	1.10	D	mg/Kg	☼	59	38 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*51*		*36 - 131*

Lab Sample ID: MB 680-407026/21-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407026

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Acenaphthylene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[a]anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[a]pyrene	0.0033	U	0.0066	0.0033	0.0012	mg/Kg		10/28/15 14:26	1
Benzo[b]fluoranthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[g,h,i]perylene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[k]fluoranthene	0.0033	U	0.0066	0.0033	0.0020	mg/Kg		10/28/15 14:26	1
Chrysene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Fluoranthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Fluorene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Indeno[1,2,3-cd]pyrene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Dibenz(a,h)anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Naphthalene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Phenanthrene	0.0033	U	0.0066	0.0033	0.0024	mg/Kg		10/28/15 14:26	1
Pyrene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
1-Methylnaphthalene	0.0033	U	0.0066	0.0033	0.0031	mg/Kg		10/28/15 14:26	1
2-Methylnaphthalene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 680-407026/21-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407026

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		36 - 131	10/24/15 09:57	10/28/15 14:26	1

Lab Sample ID: LCS 680-407026/22-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.335	0.194		mg/Kg		58	40 - 123
Acenaphthylene	0.335	0.185		mg/Kg		55	32 - 132
Anthracene	0.335	0.197		mg/Kg		59	47 - 123
Benzo[a]anthracene	0.335	0.214		mg/Kg		64	49 - 126
Benzo[a]pyrene	0.335	0.222		mg/Kg		66	45 - 129
Benzo[b]fluoranthene	0.335	0.200		mg/Kg		60	45 - 132
Benzo[g,h,i]perylene	0.335	0.202		mg/Kg		60	43 - 134
Benzo[k]fluoranthene	0.335	0.220		mg/Kg		66	47 - 132
Chrysene	0.335	0.211		mg/Kg		63	50 - 124
Fluoranthene	0.335	0.200		mg/Kg		60	50 - 127
Fluorene	0.335	0.215		mg/Kg		64	43 - 125
Indeno[1,2,3-cd]pyrene	0.335	0.207		mg/Kg		62	45 - 133
Dibenz(a,h)anthracene	0.335	0.205		mg/Kg		61	45 - 134
Naphthalene	0.335	0.192		mg/Kg		57	35 - 123
Phenanthrene	0.335	0.227		mg/Kg		68	50 - 121
Pyrene	0.335	0.192		mg/Kg		57	47 - 127
1-Methylnaphthalene	0.335	0.197		mg/Kg		59	40 - 119
2-Methylnaphthalene	0.335	0.214		mg/Kg		64	38 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	56		36 - 131

Lab Sample ID: MB 680-408009/8-A
Matrix: Solid
Analysis Batch: 408744

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408009

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Acenaphthylene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Anthracene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Benzo[a]anthracene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Benzo[a]pyrene	0.0033	U Q	0.0068	0.0033	0.0012	mg/Kg		11/03/15 14:34	1
Benzo[b]fluoranthene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Benzo[g,h,i]perylene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Benzo[k]fluoranthene	0.0033	U Q	0.0068	0.0033	0.0020	mg/Kg		11/03/15 14:34	1
Chrysene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Fluoranthene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Fluorene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Indeno[1,2,3-cd]pyrene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Dibenz(a,h)anthracene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
Naphthalene	0.0068	U	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 680-408009/8-A
Matrix: Solid
Analysis Batch: 408744

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408009

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenanthrene	0.0033	U Q	0.0068	0.0033	0.0024	mg/Kg		11/03/15 14:34	1
Pyrene	0.0068	U Q	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1
1-Methylnaphthalene	0.0033	U	0.0068	0.0033	0.0031	mg/Kg		11/03/15 14:34	1
2-Methylnaphthalene	0.0068	U	0.0068	0.0068	0.0033	mg/Kg		11/03/15 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*	*Q*	*36 - 131*	*10/29/15 12:14*	*11/03/15 14:34*	*1*

Lab Sample ID: LCS 680-408009/9-A
Matrix: Solid
Analysis Batch: 408744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.334	0.172	Q	mg/Kg		52	40 - 123
Acenaphthylene	0.334	0.176	Q	mg/Kg		53	32 - 132
Anthracene	0.334	0.187	Q	mg/Kg		56	47 - 123
Benzo[a]anthracene	0.334	0.204	Q	mg/Kg		61	49 - 126
Benzo[a]pyrene	0.334	0.188	Q	mg/Kg		56	45 - 129
Benzo[b]fluoranthene	0.334	0.184	Q	mg/Kg		55	45 - 132
Benzo[g,h,i]perylene	0.334	0.191	Q	mg/Kg		57	43 - 134
Benzo[k]fluoranthene	0.334	0.188	Q	mg/Kg		56	47 - 132
Chrysene	0.334	0.193	Q	mg/Kg		58	50 - 124
Fluoranthene	0.334	0.195	Q	mg/Kg		58	50 - 127
Fluorene	0.334	0.186	Q	mg/Kg		56	43 - 125
Indeno[1,2,3-cd]pyrene	0.334	0.185	Q	mg/Kg		55	45 - 133
Dibenz(a,h)anthracene	0.334	0.190	Q	mg/Kg		57	45 - 134
Naphthalene	0.334	0.162		mg/Kg		48	35 - 123
Phenanthrene	0.334	0.180	Q	mg/Kg		54	50 - 121
Pyrene	0.334	0.181	Q	mg/Kg		54	47 - 127
1-Methylnaphthalene	0.334	0.172		mg/Kg		51	40 - 119
2-Methylnaphthalene	0.334	0.169		mg/Kg		51	38 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*58*	*Q*	*36 - 131*

Lab Sample ID: 680-117942-23 MS
Matrix: Solid
Analysis Batch: 408744

Client Sample ID: AOPSC901
Prep Type: Total/NA
Prep Batch: 408009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.20	U H Q	1.84	0.796	D Q	mg/Kg	☼	43	40 - 123
Acenaphthylene	0.20	U H Q	1.84	0.786	D Q	mg/Kg	☼	43	32 - 132
Anthracene	0.20	U H Q J	1.84	0.799	D J Q	mg/Kg	☼	43	47 - 123
Benzo[a]anthracene	0.20	U H Q	1.84	0.943	D Q	mg/Kg	☼	51	49 - 126
Benzo[a]pyrene	0.098	J D H Q J	1.84	0.856	D J Q	mg/Kg	☼	41	45 - 129
Benzo[b]fluoranthene	0.14	J D H Q	1.84	0.963	D Q	mg/Kg	☼	45	45 - 132
Benzo[g,h,i]perylene	0.15	J D H Q J	1.84	0.753	D J Q	mg/Kg	☼	33	43 - 134
Benzo[k]fluoranthene	0.097	U H Q J	1.84	0.806	D J Q	mg/Kg	☼	44	47 - 132

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-117942-23 MS
Matrix: Solid
Analysis Batch: 408744

Client Sample ID: AOPSC901
Prep Type: Total/NA
Prep Batch: 408009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	0.11	J D H Q J	1.84	0.974	D J Q	mg/Kg	☼	47	50 - 124
Fluoranthene	0.13	J D H Q J	1.84	0.941	D J Q	mg/Kg	☼	44	50 - 127
Fluorene	0.20	U H Q	1.84	0.803	D Q	mg/Kg	☼	44	43 - 125
Indeno[1,2,3-cd]pyrene	0.20	U H Q J	1.84	0.830	D Q	mg/Kg	☼	45	45 - 133
Dibenz(a,h)anthracene	0.20	U H Q J	1.84	0.681	D J Q	mg/Kg	☼	37	45 - 134
Naphthalene	0.20	U H	1.84	0.713	D	mg/Kg	☼	39	35 - 123
Phenanthrene	0.097	U H Q J	1.84	0.816	D J Q	mg/Kg	☼	44	50 - 121
Pyrene	0.20	U H Q J	1.84	0.853	D J Q	mg/Kg	☼	46	47 - 127
1-Methylnaphthalene	0.097	U H	1.84	0.779	D	mg/Kg	☼	42	40 - 119
2-Methylnaphthalene	0.20	U H	1.84	0.776	D	mg/Kg	☼	42	38 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*44*	*Q*	*36 - 131*

Lab Sample ID: 680-117942-23 MSD
Matrix: Solid
Analysis Batch: 408744

Client Sample ID: AOPSC901
Prep Type: Total/NA
Prep Batch: 408009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.20	U H Q	1.89	0.878	D Q	mg/Kg	☼	47	40 - 123	10	20
Acenaphthylene	0.20	U H Q	1.89	0.860	D Q	mg/Kg	☼	46	32 - 132	9	20
Anthracene	0.20	U H Q J	1.89	0.868	D J Q	mg/Kg	☼	46	47 - 123	8	20
Benzo[a]anthracene	0.20	U H Q	1.89	1.02	D Q	mg/Kg	☼	54	49 - 126	8	20
Benzo[a]pyrene	0.098	J D H Q J	1.89	0.923	D J Q	mg/Kg	☼	44	45 - 129	7	20
Benzo[b]fluoranthene	0.14	J D H Q	1.89	1.02	D Q	mg/Kg	☼	47	45 - 132	6	20
Benzo[g,h,i]perylene	0.15	J D H Q J	1.89	0.701	D J Q	mg/Kg	☼	29	43 - 134	7	20
Benzo[k]fluoranthene	0.097	U H Q J	1.89	0.930	D Q	mg/Kg	☼	49	47 - 132	14	20
Chrysene	0.11	J D H Q J	1.89	1.06	D Q	mg/Kg	☼	50	50 - 124	9	20
Fluoranthene	0.13	J D H Q J	1.89	1.03	D J Q	mg/Kg	☼	48	50 - 127	9	20
Fluorene	0.20	U H Q	1.89	0.870	D Q	mg/Kg	☼	46	43 - 125	8	20
Indeno[1,2,3-cd]pyrene	0.20	U H Q J	1.89	0.704	D J Q	mg/Kg	☼	37	45 - 133	16	20
Dibenz(a,h)anthracene	0.20	U H Q J	1.89	0.618	D J Q	mg/Kg	☼	33	45 - 134	10	20
Naphthalene	0.20	U H	1.89	0.758	D	mg/Kg	☼	40	35 - 123	6	20
Phenanthrene	0.097	U H Q J	1.89	0.867	D J Q	mg/Kg	☼	46	50 - 121	6	20
Pyrene	0.20	U H Q J	1.89	0.926	D Q	mg/Kg	☼	49	47 - 127	8	20
1-Methylnaphthalene	0.097	U H	1.89	0.812	D	mg/Kg	☼	43	40 - 119	4	20
2-Methylnaphthalene	0.20	U H	1.89	0.795	D	mg/Kg	☼	42	38 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*43*	*Q*	*36 - 131*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 240-202751/1-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202751

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	4.0	U	20	4.0	0.62	mg/Kg		10/24/15 16:22	2
Antimony	0.15	U	0.40	0.15	0.014	mg/Kg		10/24/15 16:22	2
Arsenic	0.0444	J D	1.0	0.15	0.026	mg/Kg		10/24/15 16:22	2
Barium	0.30	U	1.0	0.30	0.22	mg/Kg		10/24/15 16:22	2
Beryllium	0.10	U	0.20	0.10	0.011	mg/Kg		10/24/15 16:22	2
Cadmium	0.010	U	0.40	0.010	0.0037	mg/Kg		10/24/15 16:22	2
Calcium	100	U	400	100	22	mg/Kg		10/24/15 16:22	2
Chromium	0.311	J D	1.0	0.45	0.060	mg/Kg		10/24/15 16:22	2
Cobalt	0.00720	J D	0.20	0.015	0.0017	mg/Kg		10/24/15 16:22	2
Copper	0.196	J D	0.80	0.30	0.097	mg/Kg		10/24/15 16:22	2
Iron	30	U	100	30	3.2	mg/Kg		10/24/15 16:22	2
Lead	0.20	U	0.60	0.20	0.045	mg/Kg		10/24/15 16:22	2
Magnesium	4.52	J D	200	25	4.0	mg/Kg		10/24/15 16:22	2
Manganese	0.40	U	1.0	0.40	0.12	mg/Kg		10/24/15 16:22	2
Nickel	0.0594	J D	1.0	0.25	0.039	mg/Kg		10/24/15 16:22	2
Potassium	10	U	200	10	4.9	mg/Kg		10/24/15 16:22	2
Selenium	0.060	U	1.0	0.060	0.040	mg/Kg		10/24/15 16:22	2
Silver	0.050	U	0.20	0.050	0.0014	mg/Kg		10/24/15 16:22	2
Sodium	40	U	200	40	8.7	mg/Kg		10/24/15 16:22	2
Thallium	0.15	U	0.40	0.15	0.019	mg/Kg		10/24/15 16:22	2
V	0.0552	J D	1.0	0.10	0.037	mg/Kg		10/24/15 16:22	2
Zinc	2.0	U	8.0	2.0	0.50	mg/Kg		10/24/15 16:22	2

Lab Sample ID: LCS 240-202751/2-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	1000	D	mg/Kg		100	78 - 124
Antimony	10.0	9.30	D	mg/Kg		93	72 - 124
Arsenic	100	89.4	D	mg/Kg		89	82 - 118
Barium	100	104	D	mg/Kg		104	86 - 116
Beryllium	100	95.8	D	mg/Kg		96	80 - 120
Cadmium	100	104	D	mg/Kg		104	84 - 116
Calcium	1000	902	D	mg/Kg		90	86 - 118
Chromium	100	95.5	D	mg/Kg		96	83 - 119
Cobalt	100	97.8	D	mg/Kg		98	84 - 115
Copper	100	99.2	D	mg/Kg		99	84 - 119
Iron	1000	987	D	mg/Kg		99	81 - 124
Lead	100	100	D	mg/Kg		100	84 - 118
Magnesium	1000	995	D	mg/Kg		99	80 - 123
Manganese	100	97.8	D	mg/Kg		98	85 - 116
Nickel	100	106	D	mg/Kg		106	84 - 119
Potassium	1000	970	D	mg/Kg		97	85 - 119
Selenium	100	89.6	D	mg/Kg		90	80 - 119
Silver	10.0	9.29	D	mg/Kg		93	83 - 118
Sodium	1000	979	D	mg/Kg		98	79 - 125
Thallium	25.0	24.5	D	mg/Kg		98	83 - 118

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-202751/2-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
V	100	95.1	D	mg/Kg		95	82 - 116
Zinc	100	105	D	mg/Kg		105	82 - 119

Lab Sample ID: MB 240-202768/1-A ^2
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202768

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	4.0	U	20	4.0	0.62	mg/Kg		10/23/15 12:24	2
Antimony	0.0398	J D	0.40	0.15	0.014	mg/Kg		10/23/15 12:24	2
Arsenic	0.0384	J D	1.0	0.15	0.026	mg/Kg		10/23/15 12:24	2
Barium	0.30	U	1.0	0.30	0.22	mg/Kg		10/23/15 12:24	2
Beryllium	0.0156	J D	0.20	0.10	0.011	mg/Kg		10/23/15 12:24	2
Cadmium	0.0176	J D	0.40	0.010	0.0037	mg/Kg		10/23/15 12:24	2
Calcium	100	U	400	100	22	mg/Kg		10/23/15 12:24	2
Chromium	0.172	J D	1.0	0.45	0.060	mg/Kg		10/23/15 12:24	2
Cobalt	0.0132	J D	0.20	0.015	0.0017	mg/Kg		10/23/15 12:24	2
Copper	0.196	J D	0.80	0.30	0.097	mg/Kg		10/23/15 12:24	2
Iron	30	U	100	30	3.2	mg/Kg		10/23/15 12:24	2
Lead	0.20	U	0.60	0.20	0.045	mg/Kg		10/23/15 12:24	2
Magnesium	4.30	J D	200	25	4.0	mg/Kg		10/23/15 12:24	2
Manganese	0.40	U	1.0	0.40	0.12	mg/Kg		10/23/15 12:24	2
Nickel	0.25	U	1.0	0.25	0.039	mg/Kg		10/23/15 12:24	2
Potassium	10	U	200	10	4.9	mg/Kg		10/23/15 12:24	2
Selenium	0.0452	J D	1.0	0.060	0.040	mg/Kg		10/23/15 12:24	2
Silver	0.00180	J D	0.20	0.050	0.0014	mg/Kg		10/23/15 12:24	2
Sodium	40	U	200	40	8.7	mg/Kg		10/23/15 12:24	2
Thallium	0.15	U	0.40	0.15	0.019	mg/Kg		10/23/15 12:24	2
V	0.0534	J D	1.0	0.10	0.037	mg/Kg		10/23/15 12:24	2
Zinc	2.0	U	8.0	2.0	0.50	mg/Kg		10/23/15 12:24	2

Lab Sample ID: LCS 240-202768/2-A ^2
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	1010	D	mg/Kg		101	78 - 124
Antimony	10.0	9.63	D	mg/Kg		96	72 - 124
Arsenic	100	96.7	D	mg/Kg		97	82 - 118
Barium	100	102	D	mg/Kg		102	86 - 116
Beryllium	100	88.2	D	mg/Kg		88	80 - 120
Cadmium	100	103	D	mg/Kg		103	84 - 116
Calcium	1000	981	D	mg/Kg		98	86 - 118
Chromium	100	98.2	D	mg/Kg		98	83 - 119
Cobalt	100	97.7	D	mg/Kg		98	84 - 115
Copper	100	100	D	mg/Kg		100	84 - 119
Iron	1000	982	D	mg/Kg		98	81 - 124
Lead	100	102	D	mg/Kg		102	84 - 118
Magnesium	1000	1000	D	mg/Kg		100	80 - 123

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-202768/2-A ^2
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	100	97.8	D	mg/Kg		98	85 - 116
Nickel	100	105	D	mg/Kg		105	84 - 119
Potassium	1000	978	D	mg/Kg		98	85 - 119
Selenium	100	92.9	D	mg/Kg		93	80 - 119
Silver	10.0	9.38	D	mg/Kg		94	83 - 118
Sodium	1000	989	D	mg/Kg		99	79 - 125
Thallium	25.0	24.7	D	mg/Kg		99	83 - 118
V	100	95.1	D	mg/Kg		95	82 - 116
Zinc	100	104	D	mg/Kg		104	82 - 119

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 203445

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7900	D J	1010	7520	D 4	mg/Kg	☼	-38	78 - 124
Antimony	0.50	J D J	10.1	4.02	D J	mg/Kg	☼	35	72 - 124
Arsenic	3.7	J D J	101	93.0	D	mg/Kg	☼	88	82 - 118
Barium	1200	D J	101	278	D 4	mg/Kg	☼	-866	86 - 116
Cadmium	1.1	J D J	101	93.5	D	mg/Kg	☼	91	84 - 116
Chromium	140	D J	101	200	D J	mg/Kg	☼	56	83 - 119
Cobalt	16	D J	101	104	D	mg/Kg	☼	87	84 - 115
Copper	28	D J	101	114	D	mg/Kg	☼	86	84 - 119
Iron	17000	D J	1010	14200	D 4	mg/Kg	☼	-308	81 - 124
Lead	110	D J	101	180	D J	mg/Kg	☼	72	84 - 118
Magnesium	36000	D J	1010	28500	D 4	mg/Kg	☼	-738	80 - 123
Manganese	340	D J	101	357	D J	mg/Kg	☼	14	85 - 116
Nickel	290	D J	101	327	D J	mg/Kg	☼	33	84 - 119
Potassium	610	J D J	1010	1440	D J	mg/Kg	☼	82	85 - 119
Selenium	0.59	J D J	101	91.6	D	mg/Kg	☼	90	80 - 119
Silver	0.081	J D J	10.1	8.98	D	mg/Kg	☼	88	83 - 118
Sodium	270	J D J	1010	1130	D	mg/Kg	☼	85	79 - 125
Thallium	0.91	U J	25.3	22.0	D	mg/Kg	☼	87	83 - 118
V	39	D J	101	121	D J	mg/Kg	☼	81	82 - 116
Zinc	440	D J	101	214	D 4	mg/Kg	☼	-219	82 - 119

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 203825

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.19	J D	101	103	D	mg/Kg	☼	101	80 - 120

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 203825

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 202768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	130000	J D	1010	100000	4 D	mg/Kg	☼	-2945	86 - 118

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-26 MSD — **Client Sample ID: AOPSD901**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 203445 — **Prep Batch: 202768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	7900	D J	991	6740	D 4	mg/Kg	☼	-117	78 - 124	11	20
Antimony	0.50	J D J	9.91	2.77	D J	mg/Kg	☼	23	72 - 124	37	20
Arsenic	3.7	J D J	99.1	80.3	D J	mg/Kg	☼	77	82 - 118	15	20
Barium	1200	D J	99.1	194	D 4 J	mg/Kg	☼	-970	86 - 116	36	20
Cadmium	1.1	J D J	99.1	80.0	D J	mg/Kg	☼	80	84 - 116	15	20
Chromium	140	D J	99.1	177	D J	mg/Kg	☼	34	83 - 119	12	20
Cobalt	16	D J	99.1	90.3	D J	mg/Kg	☼	75	84 - 115	14	20
Copper	28	D J	99.1	108	D J	mg/Kg	☼	81	84 - 119	6	20
Iron	17000	D J	991	12300	D 4	mg/Kg	☼	-505	81 - 124	14	20
Lead	110	D J	99.1	168	D J	mg/Kg	☼	61	84 - 118	7	20
Magnesium	36000	D J	991	24600	D 4	mg/Kg	☼	-1146	80 - 123	15	20
Manganese	340	D J	99.1	312	D J	mg/Kg	☼	-31	85 - 116	13	20
Nickel	290	D J	99.1	268	D J	mg/Kg	☼	-25	84 - 119	20	20
Potassium	610	J D J	991	1320	D J	mg/Kg	☼	72	85 - 119	9	20
Selenium	0.59	J D J	99.1	79.5	D	mg/Kg	☼	80	80 - 119	14	20
Silver	0.081	J D J	9.91	8.27	D	mg/Kg	☼	83	83 - 118	8	20
Sodium	270	J D J	991	994	D J	mg/Kg	☼	73	79 - 125	13	20
Thallium	0.91	U J	24.8	19.8	D J	mg/Kg	☼	80	83 - 118	10	20
V	39	D J	99.1	107	D J	mg/Kg	☼	69	82 - 116	12	20
Zinc	440	D J	99.1	177	D 4	mg/Kg	☼	-262	82 - 119	19	20

Lab Sample ID: 680-117942-26 MSD — **Client Sample ID: AOPSD901**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 203825 — **Prep Batch: 202768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	0.19	J D	99.1	91.8	D	mg/Kg	☼	92	80 - 120	11	20

Lab Sample ID: 680-117942-26 MSD — **Client Sample ID: AOPSD901**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 203825 — **Prep Batch: 202768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	130000	J D	991	91900	4 D	mg/Kg	☼	-3854	86 - 118	9	20

Lab Sample ID: MB 240-202931/1-A ^2 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 204042 — **Prep Batch: 202931**

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	0.694	J D	20	4.0	0.62	mg/Kg		10/27/15 11:36	2
Antimony	0.15	U	0.40	0.15	0.014	mg/Kg		10/27/15 11:36	2
Arsenic	0.15	U	1.0	0.15	0.026	mg/Kg		10/27/15 11:36	2
Barium	0.30	U	1.0	0.30	0.22	mg/Kg		10/27/15 11:36	2
Beryllium	0.10	U	0.20	0.10	0.011	mg/Kg		10/27/15 11:36	2
Cadmium	0.00400	J D	0.40	0.010	0.0037	mg/Kg		10/27/15 11:36	2
Calcium	100	U	400	100	22	mg/Kg		10/27/15 11:36	2
Chromium	0.268	J D	1.0	0.45	0.060	mg/Kg		10/27/15 11:36	2
Cobalt	0.00500	J D	0.20	0.015	0.0017	mg/Kg		10/27/15 11:36	2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-202931/1-A ^2
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202931

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Copper	0.116	J D	0.80	0.30	0.097	mg/Kg		10/27/15 11:36	2
Iron	30	U	100	30	3.2	mg/Kg		10/27/15 11:36	2
Lead	0.20	U	0.60	0.20	0.045	mg/Kg		10/27/15 11:36	2
Magnesium	5.35	J D	200	25	4.0	mg/Kg		10/27/15 11:36	2
Manganese	0.40	U	1.0	0.40	0.12	mg/Kg		10/27/15 11:36	2
Nickel	0.25	U	1.0	0.25	0.039	mg/Kg		10/27/15 11:36	2
Potassium	10	U	200	10	4.9	mg/Kg		10/27/15 11:36	2
Selenium	0.060	U	1.0	0.060	0.040	mg/Kg		10/27/15 11:36	2
Silver	0.050	U	0.20	0.050	0.0014	mg/Kg		10/27/15 11:36	2
Sodium	40	U	200	40	8.7	mg/Kg		10/27/15 11:36	2
Thallium	0.15	U	0.40	0.15	0.019	mg/Kg		10/27/15 11:36	2
V	0.105	J D	1.0	0.10	0.037	mg/Kg		10/27/15 11:36	2
Zinc	2.0	U	8.0	2.0	0.50	mg/Kg		10/27/15 11:36	2

Lab Sample ID: LCS 240-202931/2-A ^2
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	978	D	mg/Kg		98	78 - 124
Antimony	10.0	9.16	D	mg/Kg		92	72 - 124
Arsenic	100	90.1	D	mg/Kg		90	82 - 118
Barium	100	102	D	mg/Kg		102	86 - 116
Beryllium	100	88.9	D	mg/Kg		89	80 - 120
Cadmium	100	104	D	mg/Kg		104	84 - 116
Calcium	1000	897	D	mg/Kg		90	86 - 118
Chromium	100	95.3	D	mg/Kg		95	83 - 119
Cobalt	100	97.5	D	mg/Kg		97	84 - 115
Copper	100	99.2	D	mg/Kg		99	84 - 119
Iron	1000	964	D	mg/Kg		96	81 - 124
Lead	100	102	D	mg/Kg		102	84 - 118
Magnesium	1000	981	D	mg/Kg		98	80 - 123
Manganese	100	95.4	D	mg/Kg		95	85 - 116
Nickel	100	104	D	mg/Kg		104	84 - 119
Potassium	1000	965	D	mg/Kg		96	85 - 119
Selenium	100	89.1	D	mg/Kg		89	80 - 119
Silver	10.0	9.27	D	mg/Kg		93	83 - 118
Sodium	1000	982	D	mg/Kg		98	79 - 125
Thallium	25.0	24.2	D	mg/Kg		97	83 - 118
V	100	94.2	D	mg/Kg		94	82 - 116
Zinc	100	104	D	mg/Kg		104	82 - 119

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-202763/1-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202763

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg		10/23/15 16:46	1

Lab Sample ID: LCS 240-202763/2-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.855		mg/Kg		103	80 - 124

Lab Sample ID: MB 240-202771/1-A
Matrix: Solid
Analysis Batch: 203727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202771

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg		10/26/15 16:17	1

Lab Sample ID: LCS 240-202771/2-A
Matrix: Solid
Analysis Batch: 203727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.762		mg/Kg		91	80 - 124

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 203727

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 202771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.046	U	0.197	0.207		mg/Kg	☼	105	80 - 124

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 203727

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 202771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.046	U	0.193	0.193		mg/Kg	☼	100	80 - 124	7	20

GC/MS Semi VOA

Prep Batch: 406649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	3546	
680-117942-22	AOPCC901	Total/NA	Solid	3546	
680-117942-23	AOPSC901	Total/NA	Solid	3546	
680-117942-24	AOPSE401	Total/NA	Solid	3546	
680-117942-25	AOPSB701	Total/NA	Solid	3546	
680-117942-26	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MS	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	3546	
680-117942-27	AOPSA601	Total/NA	Solid	3546	
680-117942-28	AOPSB501	Total/NA	Solid	3546	
680-117942-29	AOPSM601	Total/NA	Solid	3546	
680-117942-30	AOPSM801	Total/NA	Solid	3546	
680-117942-31	AOPCM801	Total/NA	Solid	3546	
680-117942-32	AOPSM701	Total/NA	Solid	3546	
680-117942-33	AOPSL801	Total/NA	Solid	3546	
680-117942-34	AOPSJ1001	Total/NA	Solid	3546	
680-117942-35	AOPSM1001	Total/NA	Solid	3546	
680-117942-36	AOPSL901	Total/NA	Solid	3546	
680-117942-37	AOPSK1001	Total/NA	Solid	3546	
680-117942-38	AOPCK1001	Total/NA	Solid	3546	
680-117942-39	AOPSK901	Total/NA	Solid	3546	
680-117942-40	AOPSM901	Total/NA	Solid	3546	
LCS 680-406649/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406649/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 406651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	3546	
680-117942-22	AOPCC901	Total/NA	Solid	3546	
680-117942-23	AOPSC901	Total/NA	Solid	3546	
680-117942-24	AOPSE401	Total/NA	Solid	3546	
680-117942-25	AOPSB701	Total/NA	Solid	3546	
680-117942-26	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MS	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	3546	
680-117942-27	AOPSA601	Total/NA	Solid	3546	
680-117942-28	AOPSB501	Total/NA	Solid	3546	
680-117942-29	AOPSM601	Total/NA	Solid	3546	
680-117942-30	AOPSM801	Total/NA	Solid	3546	
680-117942-31	AOPCM801	Total/NA	Solid	3546	
680-117942-32	AOPSM701	Total/NA	Solid	3546	
680-117942-33	AOPSL801	Total/NA	Solid	3546	
680-117942-34	AOPSJ1001	Total/NA	Solid	3546	
680-117942-35	AOPSM1001	Total/NA	Solid	3546	
680-117942-36	AOPSL901	Total/NA	Solid	3546	
680-117942-37	AOPSK1001	Total/NA	Solid	3546	
680-117942-38	AOPCK1001	Total/NA	Solid	3546	
680-117942-39	AOPSK901	Total/NA	Solid	3546	
680-117942-40	AOPSM901	Total/NA	Solid	3546	
LCS 680-406651/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406651/21-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 407026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	3546	
LCS 680-407026/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407026/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 407027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	3546	
LCS 680-407027/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407027/21-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 407636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-33	AOPSL801	Total/NA	Solid	8270D DOD	406649
680-117942-34	AOPSJ1001	Total/NA	Solid	8270D DOD	406649
680-117942-35	AOPSM1001	Total/NA	Solid	8270D DOD	406649
680-117942-36	AOPSL901	Total/NA	Solid	8270D DOD	406649
680-117942-37	AOPSK1001	Total/NA	Solid	8270D DOD	406649
680-117942-38	AOPCK1001	Total/NA	Solid	8270D DOD	406649
680-117942-39	AOPSK901	Total/NA	Solid	8270D DOD	406649
680-117942-40	AOPSM901	Total/NA	Solid	8270D DOD	406649

Analysis Batch: 407637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8270D DOD	406649
680-117942-22	AOPCC901	Total/NA	Solid	8270D DOD	406649
680-117942-23	AOPSC901	Total/NA	Solid	8270D DOD	406649
680-117942-24	AOPSE401	Total/NA	Solid	8270D DOD	406649
680-117942-25	AOPSB701	Total/NA	Solid	8270D DOD	406649
680-117942-26	AOPSD901	Total/NA	Solid	8270D DOD	406649
680-117942-26 MS	AOPSD901	Total/NA	Solid	8270D DOD	406649
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8270D DOD	406649
680-117942-27	AOPSA601	Total/NA	Solid	8270D DOD	406649
680-117942-28	AOPSB501	Total/NA	Solid	8270D DOD	406649
680-117942-29	AOPSM601	Total/NA	Solid	8270D DOD	406649
680-117942-30	AOPSM801	Total/NA	Solid	8270D DOD	406649
680-117942-31	AOPCM801	Total/NA	Solid	8270D DOD	406649
680-117942-32	AOPSM701	Total/NA	Solid	8270D DOD	406649
MB 680-406649/21-A	Method Blank	Total/NA	Solid	8270D DOD	406649

Analysis Batch: 407684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8270D	406651
680-117942-22	AOPCC901	Total/NA	Solid	8270D	406651
680-117942-23	AOPSC901	Total/NA	Solid	8270D	406651
680-117942-24	AOPSE401	Total/NA	Solid	8270D	406651
680-117942-25	AOPSB701	Total/NA	Solid	8270D	406651
680-117942-26	AOPSD901	Total/NA	Solid	8270D	406651
680-117942-26 MS	AOPSD901	Total/NA	Solid	8270D	406651
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8270D	406651
680-117942-27	AOPSA601	Total/NA	Solid	8270D	406651
680-117942-28	AOPSB501	Total/NA	Solid	8270D	406651

GC/MS Semi VOA (Continued)

Analysis Batch: 407684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-29	AOPSM601	Total/NA	Solid	8270D	406651
680-117942-30	AOPSM801	Total/NA	Solid	8270D	406651
LCS 680-406651/22-A	Lab Control Sample	Total/NA	Solid	8270D	406651
MB 680-406651/21-A	Method Blank	Total/NA	Solid	8270D	406651

Analysis Batch: 407777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	8270D DOD	407026
LCS 680-407026/22-A	Lab Control Sample	Total/NA	Solid	8270D DOD	407026
MB 680-407026/21-A	Method Blank	Total/NA	Solid	8270D DOD	407026

Analysis Batch: 407779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-406649/22-A	Lab Control Sample	Total/NA	Solid	8270D DOD	406649

Analysis Batch: 407903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-31	AOPCM801	Total/NA	Solid	8270D	406651
680-117942-32	AOPSM701	Total/NA	Solid	8270D	406651
680-117942-33	AOPSL801	Total/NA	Solid	8270D	406651
680-117942-34	AOPSJ1001	Total/NA	Solid	8270D	406651
680-117942-35	AOPSM1001	Total/NA	Solid	8270D	406651
680-117942-36	AOPSL901	Total/NA	Solid	8270D	406651
680-117942-37	AOPSK1001	Total/NA	Solid	8270D	406651
680-117942-38	AOPCK1001	Total/NA	Solid	8270D	406651
680-117942-39	AOPSK901	Total/NA	Solid	8270D	406651
680-117942-40	AOPSM901	Total/NA	Solid	8270D	406651

Prep Batch: 408009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-23 - RE	AOPSC901	Total/NA	Solid	3546	
680-117942-23 MS	AOPSC901	Total/NA	Solid	3546	
680-117942-23 MSD	AOPSC901	Total/NA	Solid	3546	
LCS 680-408009/9-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-408009/8-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 408457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	8270D	407027
LCS 680-407027/22-A	Lab Control Sample	Total/NA	Solid	8270D	407027
MB 680-407027/21-A	Method Blank	Total/NA	Solid	8270D	407027

Prep Batch: 408525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21 - RE	AOPSG801	Total/NA	Solid	3546	
680-117942-28 - RE	AOPSB501	Total/NA	Solid	3546	
680-117942-30 - RE	AOPSM801	Total/NA	Solid	3546	
680-117942-35 - RE	AOPSM1001	Total/NA	Solid	3546	
680-117942-38 - RE	AOPCK1001	Total/NA	Solid	3546	
LCS 680-408525/14-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-408525/13-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Analysis Batch: 408744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-23 - RE	AOPSC901	Total/NA	Solid	8270D DOD	408009
680-117942-23 MS	AOPSC901	Total/NA	Solid	8270D DOD	408009
680-117942-23 MSD	AOPSC901	Total/NA	Solid	8270D DOD	408009
LCS 680-408009/9-A	Lab Control Sample	Total/NA	Solid	8270D DOD	408009
MB 680-408009/8-A	Method Blank	Total/NA	Solid	8270D DOD	408009

Prep Batch: 408781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41 - RE	AOPSL1001	Total/NA	Solid	3546	
LCS 680-408781/21-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-408781/20-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 408812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21 - RE	AOPSG801	Total/NA	Solid	8270D	408525
680-117942-28 - RE	AOPSB501	Total/NA	Solid	8270D	408525
680-117942-30 - RE	AOPSM801	Total/NA	Solid	8270D	408525
680-117942-35 - RE	AOPSM1001	Total/NA	Solid	8270D	408525
680-117942-38 - RE	AOPCK1001	Total/NA	Solid	8270D	408525
LCS 680-408525/14-A	Lab Control Sample	Total/NA	Solid	8270D	408525
MB 680-408525/13-A	Method Blank	Total/NA	Solid	8270D	408525

Analysis Batch: 408998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41 - RE	AOPSL1001	Total/NA	Solid	8270D	408781
LCS 680-408781/21-A	Lab Control Sample	Total/NA	Solid	8270D	408781
MB 680-408781/20-A	Method Blank	Total/NA	Solid	8270D	408781

Metals

Prep Batch: 202751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-25	AOPSB701	Total/NA	Solid	3050B	
680-117942-29	AOPSM601	Total/NA	Solid	3050B	
680-117942-30	AOPSM801	Total/NA	Solid	3050B	
680-117942-31	AOPCM801	Total/NA	Solid	3050B	
680-117942-32	AOPSM701	Total/NA	Solid	3050B	
680-117942-34	AOPSJ1001	Total/NA	Solid	3050B	
680-117942-35	AOPSM1001	Total/NA	Solid	3050B	
680-117942-40	AOPSM901	Total/NA	Solid	3050B	
680-117942-41	AOPSL1001	Total/NA	Solid	3050B	
LCS 240-202751/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-202751/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 202763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-25	AOPSB701	Total/NA	Solid	7471B	
680-117942-29	AOPSM601	Total/NA	Solid	7471B	
680-117942-30	AOPSM801	Total/NA	Solid	7471B	
680-117942-31	AOPCM801	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 202763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-32	AOPSM701	Total/NA	Solid	7471B	
680-117942-34	AOPSJ1001	Total/NA	Solid	7471B	
680-117942-35	AOPSM1001	Total/NA	Solid	7471B	
680-117942-40	AOPSM901	Total/NA	Solid	7471B	
680-117942-41	AOPSL1001	Total/NA	Solid	7471B	
LCS 240-202763/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-202763/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 202768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	3050B	
680-117942-22	AOPCC901	Total/NA	Solid	3050B	
680-117942-23	AOPSC901	Total/NA	Solid	3050B	
680-117942-26	AOPSD901	Total/NA	Solid	3050B	
680-117942-26 MS	AOPSD901	Total/NA	Solid	3050B	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	3050B	
LCS 240-202768/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-202768/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 202771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	7471B	
680-117942-22	AOPCC901	Total/NA	Solid	7471B	
680-117942-23	AOPSC901	Total/NA	Solid	7471B	
680-117942-26	AOPSD901	Total/NA	Solid	7471B	
680-117942-26 MS	AOPSD901	Total/NA	Solid	7471B	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	7471B	
LCS 240-202771/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-202771/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 202931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	3050B	
680-117942-27	AOPSA601	Total/NA	Solid	3050B	
680-117942-28	AOPSB501	Total/NA	Solid	3050B	
680-117942-33	AOPSL801	Total/NA	Solid	3050B	
680-117942-36	AOPSL901	Total/NA	Solid	3050B	
680-117942-37	AOPSK1001	Total/NA	Solid	3050B	
680-117942-38	AOPCK1001	Total/NA	Solid	3050B	
680-117942-39	AOPSK901	Total/NA	Solid	3050B	
LCS 240-202931/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-202931/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 202937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	7471B	
680-117942-27	AOPSA601	Total/NA	Solid	7471B	
680-117942-28	AOPSB501	Total/NA	Solid	7471B	
680-117942-33	AOPSL801	Total/NA	Solid	7471B	
680-117942-36	AOPSL901	Total/NA	Solid	7471B	
680-117942-37	AOPSK1001	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 202937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-38	AOPCK1001	Total/NA	Solid	7471B	
680-117942-39	AOPSK901	Total/NA	Solid	7471B	

Analysis Batch: 203094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-27	AOPSA601	Total/NA	Solid	7471B	202937
680-117942-28	AOPSB501	Total/NA	Solid	7471B	202937
680-117942-33	AOPSL801	Total/NA	Solid	7471B	202937
680-117942-36	AOPSL901	Total/NA	Solid	7471B	202937
680-117942-37	AOPSK1001	Total/NA	Solid	7471B	202937
680-117942-38	AOPCK1001	Total/NA	Solid	7471B	202937
680-117942-39	AOPSK901	Total/NA	Solid	7471B	202937

Analysis Batch: 203376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	6020A	202768
680-117942-22	AOPCC901	Total/NA	Solid	6020A	202768
680-117942-23	AOPSC901	Total/NA	Solid	6020A	202768
680-117942-25	AOPSB701	Total/NA	Solid	6020A	202751
680-117942-40	AOPSM901	Total/NA	Solid	6020A	202751

Analysis Batch: 203445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	6020A	202768
680-117942-22	AOPCC901	Total/NA	Solid	6020A	202768
680-117942-23	AOPSC901	Total/NA	Solid	6020A	202768
680-117942-26	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-26 MS	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-26 MSD	AOPSD901	Total/NA	Solid	6020A	202768
LCS 240-202768/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	202768
MB 240-202768/1-A ^2	Method Blank	Total/NA	Solid	6020A	202768

Analysis Batch: 203476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	7471B	202937
680-117942-25	AOPSB701	Total/NA	Solid	7471B	202763
680-117942-29	AOPSM601	Total/NA	Solid	7471B	202763
680-117942-30	AOPSM801	Total/NA	Solid	7471B	202763
680-117942-31	AOPCM801	Total/NA	Solid	7471B	202763
680-117942-32	AOPSM701	Total/NA	Solid	7471B	202763
680-117942-34	AOPSJ1001	Total/NA	Solid	7471B	202763
680-117942-35	AOPSM1001	Total/NA	Solid	7471B	202763
680-117942-40	AOPSM901	Total/NA	Solid	7471B	202763
680-117942-41	AOPSL1001	Total/NA	Solid	7471B	202763
LCS 240-202763/2-A	Lab Control Sample	Total/NA	Solid	7471B	202763
MB 240-202763/1-A	Method Blank	Total/NA	Solid	7471B	202763

Analysis Batch: 203621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-25	AOPSB701	Total/NA	Solid	6020A	202751
680-117942-29	AOPSM601	Total/NA	Solid	6020A	202751

Metals (Continued)

Analysis Batch: 203621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-30	AOPSM801	Total/NA	Solid	6020A	202751
680-117942-31	AOPCM801	Total/NA	Solid	6020A	202751
680-117942-32	AOPSM701	Total/NA	Solid	6020A	202751
680-117942-34	AOPSJ1001	Total/NA	Solid	6020A	202751
680-117942-35	AOPSM1001	Total/NA	Solid	6020A	202751
680-117942-40	AOPSM901	Total/NA	Solid	6020A	202751
680-117942-41	AOPSL1001	Total/NA	Solid	6020A	202751
LCS 240-202751/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	202751
MB 240-202751/1-A ^2	Method Blank	Total/NA	Solid	6020A	202751

Analysis Batch: 203727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	7471B	202771
680-117942-22	AOPCC901	Total/NA	Solid	7471B	202771
680-117942-23	AOPSC901	Total/NA	Solid	7471B	202771
680-117942-26	AOPSD901	Total/NA	Solid	7471B	202771
680-117942-26 MS	AOPSD901	Total/NA	Solid	7471B	202771
680-117942-26 MSD	AOPSD901	Total/NA	Solid	7471B	202771
LCS 240-202771/2-A	Lab Control Sample	Total/NA	Solid	7471B	202771
MB 240-202771/1-A	Method Blank	Total/NA	Solid	7471B	202771

Analysis Batch: 203825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-26	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-26	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-26 MS	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-26 MS	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-26 MSD	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-26 MSD	AOPSD901	Total/NA	Solid	6020A	202768
680-117942-29	AOPSM601	Total/NA	Solid	6020A	202751
680-117942-34	AOPSJ1001	Total/NA	Solid	6020A	202751

Analysis Batch: 204042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	6020A	202931
680-117942-24	AOPSE401	Total/NA	Solid	6020A	202931
680-117942-27	AOPSA601	Total/NA	Solid	6020A	202931
680-117942-27	AOPSA601	Total/NA	Solid	6020A	202931
680-117942-28	AOPSB501	Total/NA	Solid	6020A	202931
680-117942-28	AOPSB501	Total/NA	Solid	6020A	202931
680-117942-33	AOPSL801	Total/NA	Solid	6020A	202931
680-117942-33	AOPSL801	Total/NA	Solid	6020A	202931
680-117942-36	AOPSL901	Total/NA	Solid	6020A	202931
680-117942-36	AOPSL901	Total/NA	Solid	6020A	202931
680-117942-37	AOPSK1001	Total/NA	Solid	6020A	202931
680-117942-37	AOPSK1001	Total/NA	Solid	6020A	202931
680-117942-38	AOPCK1001	Total/NA	Solid	6020A	202931
680-117942-38	AOPCK1001	Total/NA	Solid	6020A	202931
680-117942-39	AOPSK901	Total/NA	Solid	6020A	202931
680-117942-39	AOPSK901	Total/NA	Solid	6020A	202931
LCS 240-202931/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	202931

Metals (Continued)

Analysis Batch: 204042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-202931/1-A ^2	Method Blank	Total/NA	Solid	6020A	202931

General Chemistry

Analysis Batch: 406186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-25	AOPSB701	Total/NA	Solid	Moisture	
680-117942-29	AOPSM601	Total/NA	Solid	Moisture	
680-117942-30	AOPSM801	Total/NA	Solid	Moisture	
680-117942-31	AOPCM801	Total/NA	Solid	Moisture	
680-117942-32	AOPSM701	Total/NA	Solid	Moisture	
680-117942-34	AOPSJ1001	Total/NA	Solid	Moisture	
680-117942-35	AOPSM1001	Total/NA	Solid	Moisture	
680-117942-40	AOPSM901	Total/NA	Solid	Moisture	
680-117942-41	AOPSL1001	Total/NA	Solid	Moisture	

Analysis Batch: 406462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	Moisture	
680-117942-22	AOPCC901	Total/NA	Solid	Moisture	
680-117942-23	AOPSC901	Total/NA	Solid	Moisture	
680-117942-24	AOPSE401	Total/NA	Solid	Moisture	
680-117942-26	AOPSD901	Total/NA	Solid	Moisture	
680-117942-26 MS	AOPSD901	Total/NA	Solid	Moisture	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	Moisture	
680-117942-27	AOPSA601	Total/NA	Solid	Moisture	
680-117942-28	AOPSB501	Total/NA	Solid	Moisture	
680-117942-33	AOPSL801	Total/NA	Solid	Moisture	
680-117942-36	AOPSL901	Total/NA	Solid	Moisture	
680-117942-37	AOPSK1001	Total/NA	Solid	Moisture	
680-117942-38	AOPCK1001	Total/NA	Solid	Moisture	
680-117942-39	AOPSK901	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSG801
Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSG801
Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21
Matrix: Solid
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		6.20 g	1 mL	408525	11/02/15 11:31	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.20 g	1 mL	408812	11/04/15 05:45	JEM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			6.08 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.08 g	1 mL	407684	10/27/15 22:08	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.06 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.06 g	1 mL	407637	10/27/15 16:56	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.12 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.12 g	100 mL	203376	10/22/15 17:31	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.12 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.12 g	100 mL	203445	10/23/15 14:32	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.52 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.52 g	100 mL	203727	10/26/15 17:04	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPCC901
Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPCC901
Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.22 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.22 g	1 mL	407684	10/27/15 22:32	JEM	TAL SAV
	Instrument ID: CMSG									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPCC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22

Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.09 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.09 g	1 mL	407637	10/27/15 17:20	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.22 g	100 mL	203376	10/22/15 17:35	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.22 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.22 g	100 mL	203445	10/23/15 14:36	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.62 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.62 g	100 mL	203727	10/26/15 17:06	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.05 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.05 g	1 mL	407684	10/27/15 22:56	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.92 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.92 g	1 mL	407637	10/27/15 17:44	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3546	RE		5.96 g	1 mL	408009	10/29/15 12:14	ZDW	TAL SAV
Total/NA	Analysis	8270D DOD	RE	5	5.96 g	1 mL	408744	11/03/15 16:39	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.18 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.18 g	100 mL	203376	10/22/15 17:38	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.18 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.18 g	100 mL	203445	10/23/15 14:39	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203727	10/26/15 17:08	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSE401
Date Collected: 10/10/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSE401
Date Collected: 10/10/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-24
Matrix: Solid
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.20 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.20 g	1 mL	407684	10/27/15 23:20	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.09 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.09 g	1 mL	407637	10/27/15 18:08	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.04 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.04 g	100 mL	204042	10/27/15 12:22	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.04 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.04 g	100 mL	204042	10/27/15 15:51	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.62 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.62 g	100 mL	203476	10/23/15 16:05	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSB701
Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSB701
Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.48 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.48 g	1 mL	407684	10/27/15 23:44	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.88 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.88 g	1 mL	407637	10/27/15 18:33	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.20 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSB701

Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25

Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		20	1.20 g	100 mL	203376	10/22/15 20:03	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	203621	10/24/15 17:40	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203476	10/23/15 17:15	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSD901

Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSD901

Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26

Matrix: Solid
Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.29 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.29 g	1 mL	407684	10/28/15 00:09	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.71 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.71 g	1 mL	407637	10/27/15 16:31	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.24 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.24 g	100 mL	203445	10/23/15 12:45	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.24 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.24 g	100 mL	203825	10/26/15 15:33	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.24 g	100 mL	202768	10/20/15 13:48	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.24 g	100 mL	203825	10/26/15 15:37	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.64 g	100 mL	202771	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.64 g	100 mL	203727	10/26/15 16:21	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSA601
Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSA601
Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27
Matrix: Solid
Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.43 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.43 g	1 mL	407684	10/28/15 00:33	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.11 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.11 g	1 mL	407637	10/27/15 18:57	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.21 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.21 g	100 mL	204042	10/27/15 12:33	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.21 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.21 g	100 mL	204042	10/27/15 15:54	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.62 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.62 g	100 mL	203094	10/22/15 09:53	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSB501
Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSB501
Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		6.37 g	1 mL	408525	11/02/15 11:31	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.37 g	1 mL	408812	11/04/15 06:09	JEM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			6.47 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.47 g	1 mL	407684	10/28/15 00:57	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.91 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSB501

Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28

Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D DOD		5	5.91 g	1 mL	407637	10/27/15 19:21	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.17 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.17 g	100 mL	204042	10/27/15 12:40	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.17 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.17 g	100 mL	204042	10/27/15 15:58	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.59 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.59 g	100 mL	203094	10/22/15 09:54	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.45 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.45 g	1 mL	407684	10/28/15 01:21	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.21 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.21 g	1 mL	407637	10/27/15 19:46	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.24 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.24 g	100 mL	203621	10/24/15 17:51	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.24 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.24 g	100 mL	203825	10/26/15 15:26	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.53 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.53 g	100 mL	203476	10/23/15 17:17	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSM801
Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM801
Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30
Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		6.40 g	1 mL	408525	11/02/15 11:31	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.40 g	1 mL	408812	11/04/15 06:32	JEM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			6.13 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.13 g	1 mL	407684	10/28/15 01:46	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.87 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.87 g	1 mL	407637	10/27/15 20:10	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.25 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.25 g	100 mL	203621	10/24/15 17:54	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.61 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.61 g	100 mL	203476	10/23/15 17:19	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPCM801
Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPCM801
Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31
Matrix: Solid
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.10 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.10 g	1 mL	407903	10/28/15 19:36	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.84 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.84 g	1 mL	407637	10/27/15 20:34	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.05 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPCM801
Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31
Matrix: Solid
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		10	1.05 g	100 mL	203621	10/24/15 17:58	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.59 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.59 g	100 mL	203476	10/23/15 17:21	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSM701
Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM701
Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32
Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.22 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.22 g	1 mL	407903	10/28/15 20:00	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.04 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.04 g	1 mL	407637	10/27/15 20:59	CAR	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3050B			1.06 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.06 g	100 mL	203621	10/24/15 18:01	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203476	10/23/15 17:28	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL801
Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSL801

Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33

Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.20 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.20 g	1 mL	407903	10/28/15 20:24	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.84 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.84 g	1 mL	407636	10/27/15 20:19	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.06 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.06 g	100 mL	204042	10/27/15 12:43	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.06 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.06 g	100 mL	204042	10/27/15 16:01	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203094	10/22/15 09:56	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSJ1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSJ1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34

Matrix: Solid
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.30 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.30 g	1 mL	407903	10/28/15 20:48	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.06 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.06 g	1 mL	407636	10/27/15 19:30	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.10 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.10 g	100 mL	203621	10/24/15 18:05	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.10 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.10 g	100 mL	203825	10/26/15 15:30	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203476	10/23/15 17:29	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSM1001
Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM1001
Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		6.44 g	1 mL	408525	11/02/15 11:31	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.44 g	1 mL	408812	11/04/15 06:56	JEM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			6.28 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.28 g	1 mL	407903	10/28/15 21:12	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.85 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.85 g	1 mL	407636	10/27/15 20:44	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.20 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	203621	10/24/15 18:08	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203476	10/23/15 17:31	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL901
Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSL901
Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36
Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.17 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.17 g	1 mL	407903	10/28/15 21:37	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.93 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.93 g	1 mL	407636	10/27/15 21:09	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.20 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSL901

Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36

Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		10	1.20 g	100 mL	204042	10/27/15 12:47	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.20 g	100 mL	204042	10/27/15 16:05	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.69 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.69 g	100 mL	203094	10/22/15 09:58	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37

Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.38 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.38 g	1 mL	407903	10/28/15 22:01	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.03 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.03 g	1 mL	407636	10/27/15 22:23	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.24 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.24 g	100 mL	204042	10/27/15 12:50	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.24 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		100	1.24 g	100 mL	204042	10/27/15 16:09	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.59 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.59 g	100 mL	203094	10/22/15 09:59	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPCK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPCK1001
Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPCK1001
Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		6.09 g	1 mL	408525	11/02/15 11:31	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.09 g	1 mL	408812	11/04/15 07:20	JEM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			6.25 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.25 g	1 mL	407903	10/28/15 22:26	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.99 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.99 g	1 mL	407636	10/27/15 22:47	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.18 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.18 g	100 mL	204042	10/27/15 12:54	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.18 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		100	1.18 g	100 mL	204042	10/27/15 16:12	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.67 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.67 g	100 mL	203094	10/22/15 10:04	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSK901
Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSK901
Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39
Matrix: Solid
Percent Solids: 66.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.30 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.30 g	1 mL	407903	10/28/15 22:50	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.82 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSK901

Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39

Matrix: Solid
Percent Solids: 66.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D DOD		5	5.82 g	1 mL	407636	10/27/15 23:12	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.15 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.15 g	100 mL	204042	10/27/15 12:57	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.15 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.15 g	100 mL	204042	10/27/15 16:16	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.62 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.62 g	100 mL	203094	10/22/15 10:05	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.11 g	1 mL	406651	10/22/15 12:12	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.11 g	1 mL	407903	10/28/15 23:14	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.95 g	1 mL	406649	10/22/15 11:40	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.95 g	1 mL	407636	10/27/15 23:36	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.16 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.16 g	100 mL	203376	10/22/15 20:35	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.16 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.16 g	100 mL	203621	10/24/15 18:12	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.67 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		5	0.67 g	100 mL	203476	10/23/15 17:43	WAL	TAL CAN
	Instrument ID: H4									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Client Sample ID: AOPSL1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSL1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41

Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.08 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.08 g	1 mL	408457	11/01/15 18:55	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.79 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.79 g	1 mL	408998	11/04/15 18:06	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.79 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.79 g	1 mL	407777	10/28/15 19:50	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.03 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.03 g	100 mL	203621	10/24/15 18:16	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.58 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.58 g	100 mL	203476	10/23/15 17:35	WAL	TAL CAN
	Instrument ID: H4									

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 1 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase SI

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST 8141	METALS, TCL	GRO	PESTS/PCBS	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSE201	E2	10-10-15	1800	SO	N	N	4	1	1	1			1						
	AOPSF201	F2	10-10-15	1730	SO	N	N	4	1	1	1			1						
	AOPSD301	D3	10-10-15	1815	SO	N	N	4	1	1	1			1						
	AOPSE301	E3	10-10-15	1715	SO	N	N	4	1	1	1			1						
	AOPSE501	E5	10-10-15	1630	SO	N	N	4	1	1	1			1						
	AOPCF101	F1	10-10-15	1745	SO	FD	N	4	1	1	1			1						
	AOPSC401	C4	10-10-15	1530	SO	N	N	4	1	1	1			1						
	AOPSF101	F1	10-10-15	1745	SO	N	N	4	1	1	1			1						
	AOPSD501	D5	10-10-15	1600	SO	N	N	4	1	1	1			1						
	AOPSD401	D4	10-10-15	1500	SO	N	N	4	1	1	1			1						
	AOPSC701	C7	10-11-15	1120	SO	~~FD~~ N	N	4	1	1	1			1						
	AOPSC801	C8	10-11-15	1140	SO	N	N	4	1	1	1			1						

680-117942 Chain of Custody

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Brantley	10/14/15	21:00	1 M. Valdez Ito	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 2 of 6

Project Name: Site Investigation | PO No. | Project No. 085881781G Phase S1

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JM85 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OPPEST 8141	TAL METALS	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSG701	G7	10.11.15	1740	SO	N	N	4	1	1	1	~	~	~	~	~				
	AOPSG1001	G1	10.11.15	1700	SO	N	N	4	1	1	1	~	~	~	~	~				
	AOPSG901	G9	10.11.15	1710	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSD801	D8	10.11.15	1540	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSD701	D7	10.11.15	1600	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSD1001	D10	10.11.15	1520	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSG601	G6	10.11.15	1750	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSF1001	F10	10.11.15	1630	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSG801	G8	10.11.15	1720	SO	N	N	4	1	1	1	~	~	~	~					
	AOPCC901	C9	10.11.15	1445	SO	FD	N	4	1	1	1	~	~	~						
	AOPSC901	C9	10.11.15	1445	SO	N	N	4	1	1	1	~	~	~						
	AOPSE401	E4	10.10.15	1700	SO	N	N	4	1	1	1	~	~	~						

***Field* Comments:** 2.6/3.0 3.0/3.4

***Lab* Comments:** 3.6/4.0 3.0/4.4 3.0/2.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Bradley	10/14/15		1 [illegible]	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No ~~✓~~ 4°C ID 10/16/15

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 3 of 6

Project Name: Site Investigation | PO No. | Project No. 08883.7816 Phase S1

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 | RC Project Manager: Paul Stoddard | (3)→

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7 day Prel; 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	OPPEST8141	METALS, TAL	GRO	PESTICIDES	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSB701	B7	10-11-15	1100	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSD901	D9	10-11-15	1200	SO	N	N	12	3	3	3	~	~	3	~	~			X	
	AOPSA601	A6	10-11-15	1045	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSB501	B5	10-11-15	1015	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSM601	M6	10/12/15	1145	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM801	M8	10/12/15	1125	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPCM801	M8	10/12/15	1125	SO	FD	N	4	1	1	1	←	←	1	→	→				
	AOPSM701	M7	10/12/15	1150	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL801	L8	10/12/15	1120	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSJ1001	J10	10/12/15	1020	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM1001	M10	10/12/15	1040	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL901	L9	10/12/15	1100	SO	N	N	4	1	1	1	←	←	1	→	→				

***Field* Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

***Lab* Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No

Method of Shipment:

Airbill No: 680-117942

Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ken Brantley	10/14/15	2100	m. Wheelette	10/16/15	09:45
2						
3						

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 4 of 6

Project Name: Site Investigation | PO No. | Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 7day Prelim 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	8141 19/ds OP Pest 8082 PCB	Metals, TAL	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	Herbicides			Extra Volume for MS/MSD	HOLD
	AOPSK1001	K10	10/12/15	1000	SO	N	N	4	1	1	1	←	1	→						
	AOPCK1001	K10	10/12/15	1000	SO	FD	N	4	1	1	1	←	1	→						
	AOPSK901	K9	10/12/15	1005	SO	N	N	4	1	1	1	←	1	→						
	AOPSM901	M9	10/12/15	1105	SO	N	N	4	1	1	1	←	1	→						
	AOPSL1001	L10	10/12/15	1020	SO	N	N	4	1	1	1	←	1	→						
	AOPSK101	K1	10/12/15	1428	SO	N	N	4	1	1	1	←	1	→						
	AOPSM301	M3	10/12/15	1400	SO	N	N	12	3	3	3	←	3	→					X	
	AOPSM201	M2	10/12/15	1358	SO	N	N	4	1	1	1	←	1	→						
	AOPSL201	L2	10/12/15	1425	SO	N	N	4	1	1	1	←	1	→						
	AOPSN301	N3	10/12/15	1355	SO	N	N	4	1	1	1	←	1	→						
	AOPSM401	M4	10/12/15	1335	SO	N	N	4	1	1	1	←	1	→						
	AOPSN401	N4	10/12/15	1335	SO	N	N	4	1	1	1	←	1	→						

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Lab **Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Paul Stoddard	10/14/15	2100	m. Lackey Jr	10/16/15	0945
2				680-117942		
3						

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 5 of 6

Project Name: SITE Investigation | PO No. | Project No: 88881816 Phase SI

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 1DAY PRELIM 14DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OP PEST	METALS, TAL	GRO	PEST/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSM501	M5	10.12.15	1335	SO	N	N	4	1	1	1	←		1	→					
	AOPSE601	E6	10.12.15	1707	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF501	F5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF701	F7	10.12.15	1646	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSH301	H3	10.12.15	1700	SO	N	N	12	3	3	3	←		3	→				X	
	AOPSH401	H4	10.12.5	1715	SO	N	N	4	1	1	1	←		1	→					
	AOPSH501	H5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→					
	AOPCH501	H5	10.12.15	1720	SO	FD	N	4	1	1	1	←		1	→					
	AOPSJ201	J2	10.12.15	1520	SO	N	N	4	1	1	1	←		1	→					
	AOPSK201	K2	10.12.15	1457	SO	N	N	4	1	1	1	←		1	→					
	AOPSK301	K3	10.12.15	1505	SO	N	N	4	1	1	1	←		1	→					

Field **Comments:**
*Sample contains asphalt 2.6/3.0

Lab **Comments:**
3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Sample Shipment and Delivery Details
Number of coolers in shipment:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Brantley	10/14/15	2100	1 michelle hatto	10/16/15	0945
2			2		
3			3		

Samples Iced?(check) Yes____ No____
Method of Shipment:
Airbill No: 680-117942
Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water
(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk
(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 6 of 6

Project Name: SITE Investigation | PO No. | Project No. 080881781.16 Phase SI

Site Location: GTMO, Cuba

CTO No. | RC Project Manager: Paul Stoddard

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7-DAY PRELIM 14-DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	(3)→	OP PEST	METALS, TAL	GRO	PEST/PCB	SVOC, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSK501	K5	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL301	L3	10-12-15	1500	SO	N	N	4		1	1	1	←		1	→					
	AOPCL301	L3	10-12-15	1500	SO	FD	N	4		1	1	1	←		1	→					
	AOPSL401	L4	10-12-15	1520	SO	N	N	4		1	1	1	←		1	→					
	AOPSL501	L5	10-12-15	1608	SO	N	N	4		1	1	1	←		1	→					
	AOPSL601	L6	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL701	L7	10-12-15	1615	SO	N	N	4		1	1	1	←		1	→					
	FB 101415	—	10/14/15	1335	SQ	FB	N	9		1	Ø	3	1	1	1	1	1				
	EB101415	—	10/14/15	1345	SQ	EB	N	9		1	Ø	3	1	1	1	1	1				

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 2.0/3.4 2.8/3.2 3.0/3.4

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ben Bowles	10/14/15	2100	m. Mclaughlin	10/16/15	09:45
2				680-11794		
3						

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-2
SDG Number: GTM02

Login Number: 117942
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-2
SDG: GTM02

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-15
Illinois	NELAP	5	200004	07-31-16
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-26-16
Kentucky (WW)	State Program	4	98016	12-31-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-15
Nevada	State Program	9	OH-000482008A	07-31-16
New Jersey	NELAP	2	OH001	11-30-15 *
New York	NELAP	2	10975	03-31-16
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-16
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-16
West Virginia DEP	State Program	3	210	12-31-15
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117942-3
TestAmerica Sample Delivery Group: GTM03
Client Project/Site: GTMO, Cuba / Site Investigation
Revision: 1

For:
Earth Toxics, Inc
PO Box 3382
Logan, Utah 84321

Attn: Mike Dryden

Michele R Kersey

Authorized for release by:
11/19/2015 4:47:21 PM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-117942-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO, Cuba / Site Investigation

Report Number: 680-117942-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/16/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.0º C, 3.2º C, 3.4º C, 3.4º C, 4.0º C and 4.4º C.

Note: Report revised 11/19/15 to modify case narrative.

Receipt Exceptions

Sample volumes were received over a 2 day period due to a Federal Express delay, sample volumes were received on Friday 10/16/15 and Saturday 10/17/15.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-42 through 680-117942-66 were analyzed at 6 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 1ml final volume to be achieved.

Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/23/2015, 10/24/2015, 10/28/2015, 11/03/2015 and 11/09/2015 and analyzed on 10/30/2015, 11/01/2015, 11/02/2015, 11/03/2015, 11/04/2015, 11/05/2015, 11/06/2015 and 11/10/2015.

One or more surrogates were outside of the DOD defined control limits in either the original or re-extract batch. Since the original batch (AD 407027) had surrogates outside of DOD defined limits in the method blank, the entire batch was re-extracted outside of holding time and both sets of data have been reported.

2-Fluorobiphenyl (Surr) exceeded the surrogate recovery criteria low for AOPSM201 (680-117942-44). 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSN301 (680-117942-46). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSE601 (680-117942-50). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSH501 (680-117942-55). 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPCH501

Job ID: 680-117942-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-117942-56). 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSJ201 (680-117942-57). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSK301 (680-117942-59). 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSK501 (680-117942-60). 2-Fluorobiphenyl (Surr) exceeded the surrogate recovery criteria low for AOPSL601 (680-117942-65). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for MB 680-407027/21-A. 2-Fluorobiphenyl (Surr) exceeded the surrogate recovery criteria low for LCS 680-407027/22-A. 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for LCS 680-407036/8-A. 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSM301MS (680-117942-43MS). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) exceeded the surrogate recovery criteria low for AOPSH301MS (680-117942-53MS). 2,4,6-Tribromophenol (Surr) exceeded the surrogate recovery criteria low for 680-118776-A-1-C MSD.

Hexachlorocyclopentadiene exceeded the recovery criteria low for LCS 680-407027/22-A. Several analytes exceeded the recovery criteria low for LCS 680-407036/8-A.

Several analytes exceeded the recovery criteria low for the MS/MSD of sample AOPSM301 (680-117942-43) in batch 680-408457. Several analytes exceeded the RPD limit.

Several analytes exceeded the RPD limit for the MSD of sample AOPSH301MSD (680-117942-53) in batch 680-408249.

Benzaldehyde exceeded the recovery criteria low for the MS of sample 680-118776-1 in batch 680-409802.

2,3,4,6-Tetrachlorophenol and Benzaldehyde exceeded the recovery criteria low for the MSD of sample 680-118776-1 in batch 680-409802.

The method blank for analytical batches 680-408249 and 680-408998 contained Bis(2-ethylhexyl) phthalate above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: 1,4-Dioxane.

Multiple analytes exceeded in the laboratory control standard. The batch was re-extracted outside of holding time and both sets of data are reported. LCS 680-407036/8-A

Hexachlorocyclopentadiene is a known poor performer and was outside the lower control limits in the CCVC.

1,4-Dioxane is an additional analyte to the 8270D_DOD5 list and has no laboratory control sample limits. This compound was slightly low biased in the opening CCV.

The continuing calibration verification (CCV) associated with batch 680-408743 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: AOPSH301 (680-117942-53), AOPCL301 (680-117942-62) and (CCV 680-408743/3).

The initial calibration verification (ICV) result for batch 680-408812 was above the upper control limit benzidine and benzaldehide. Sample results were non-detects, and have been reported as qualified data.

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Benzaldehyde. These analytes may have a %D >50%.

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Benzidine. These analytes may have a %D >50% .

Surrogate recovery for the following samples was outside control limits: AOPSK501 (680-117942-60) and AOPSL301 (680-117942-61). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

Job ID: 680-117942-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers:Benzaldehyde. These analytes may have a %D >50% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%.

Due to the nature of semivolatile GC/MS analysis, daily column maintenance is required and can result in retention time shifts. As such, the laboratory has implemented internal standard criteria of +/- 30 seconds, when compared to the mid-point standard of the initial calibration, for all field samples, batch QC items, and continuing calibration verification (CCV) standards.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples FB101415 (680-117942-67) and EB101415 (680-117942-68) were analyzed for semivolatile organic compounds (GC-MS) in accordance with 8270D. The samples were prepared on 10/21/2015 and analyzed on 10/28/2015.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with prep batch 406645.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-43 through 680-117942-66 were analyzed at 6 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 1ml final volume to be achieved.

Samples AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/23/2015 and 10/24/2015 and analyzed on 10/27/2015, 10/28/2015 and 10/29/2015.

Samples AOPSM301 (680-117942-43)[5X], AOPSM201 (680-117942-44)[20X], AOPSM201 (680-117942-44)[5X], AOPSN401 (680-117942-48)[5X], AOPSH501 (680-117942-55)[5X], AOPCH501 (680-117942-56)[5X] and AOPSK501 (680-117942-60)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 680-407026 and analytical batch 680-408042 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Fluoranthene exceeded the RPD limit for the MSD of sample AOPSH301MSD (680-117942-53) in batch 680-407636.

The sample duplicate (DUP) precision for preparation batch 680-407026 and analytical batch 680-408042 was outside control limits. Sample matrix interference is suspected.

Manual integration was performed on the following samples: AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL601 (680-117942-65), AOPSL701 (680-117942-66), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSM501 (680-117942-49), AOPSH401 (680-117942-54), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPSM301 (680-117942-43),

Job ID: 680-117942-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

AOPSM301 (680-117942-43[MSD]), AOPSM201 (680-117942-44), AOPCH501 (680-117942-56) and AOPSK301 (680-117942-59).

Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: AOPSM201 (680-117942-44).

Due to the nature of semivolatile GC/MS analysis, daily column maintenance is required and can result in retention time shifts. As such, the laboratory has implemented internal standard criteria of +/- 30 seconds, when compared to the mid-point standard of the initial calibration, for all field samples, batch QC items, and continuing calibration verification (CCV) standards.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples FB101415 (680-117942-67) and EB101415 (680-117942-68) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/21/2015 and analyzed on 10/28/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS (GRO)

Samples FB101415 (680-117942-67) and EB101415 (680-117942-68) were analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 8015C. The samples were analyzed on 10/20/2015.

The method blank for analytical batch 680-406550 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL) and is suspected low level contamination of the instrument's sample pathway; therefore, re-analysis of samples was not performed.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-406550.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

Samples FB101415 (680-117942-67) and EB101415 (680-117942-68) were analyzed for Diesel Range Organics (DRO) in accordance with EPA SW-846 8015C. The samples were prepared on 10/21/2015 and analyzed on 10/31/2015.

o-Terphenyl (Surr) exceeded the surrogate recovery criteria high for MB 680-406647/3-A. o-Terphenyl (Surr) exceeded the surrogate recovery criteria high for LCS 680-406647/6-A.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with prep batch 406647.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with prep batch 406648.

The surrogate recovery for the blank associated with preparation batch 680-406647 and analytical batch 680-409284 was outside the upper control limits. All associated sample surrogates fell within acceptance criteria; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples FB101415 (680-117942-67) and EB101415 (680-117942-68) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/21/2015 and analyzed on 10/23/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HERBICIDES

Samples FB101415 (680-117942-67) and EB101415 (680-117942-68) were analyzed for herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 10/20/2015 and analyzed on 10/22/2015.

Job ID: 680-117942-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP-MS)

Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 10/20/2015 and 10/21/2015 and analyzed on 10/22/2015, 10/24/2015 and 10/27/2015.

Samples AOPSK101 (680-117942-42)[10X], AOPSK101 (680-117942-42)[20X], AOPSM301 (680-117942-43)[10X], AOPSM301 (680-117942-43)[20X], AOPSM201 (680-117942-44)[10X], AOPSM201 (680-117942-44)[20X], AOPSL201 (680-117942-45)[10X], AOPSL201 (680-117942-45)[20X], AOPSN301 (680-117942-46)[10X], AOPSN301 (680-117942-46)[50X], AOPSM401 (680-117942-47)[10X], AOPSM401 (680-117942-47)[20X], AOPSN401 (680-117942-48)[10X], AOPSN401 (680-117942-48)[20X], AOPSM501 (680-117942-49)[10X], AOPSM501 (680-117942-49)[20X], AOPSE601 (680-117942-50)[10X], AOPSE601 (680-117942-50)[100X], AOPSF501 (680-117942-51)[10X], AOPSF501 (680-117942-51)[100X], AOPSF701 (680-117942-52)[10X], AOPSF701 (680-117942-52)[20X], AOPSH301 (680-117942-53)[10X], AOPSH301 (680-117942-53)[50X], AOPSH401 (680-117942-54)[10X], AOPSH401 (680-117942-54)[20X], AOPSH501 (680-117942-55)[10X], AOPSH501 (680-117942-55)[100X], AOPCH501 (680-117942-56)[10X], AOPCH501 (680-117942-56)[100X], AOPSJ201 (680-117942-57)[10X] and AOPSJ201 (680-117942-57)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes were detected in method blank MB 240-202751/1-A and MB 240-202931/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Antimony and Calcium exceeded the recovery criteria low for the MS of sample AOPSM301MS (680-117942-43) in batch 240-203621. Magnesium, Aluminum, Iron and Manganese exceeded the recovery criteria high.

Several analytes exceeded the recovery criteria low for the MSD of sample AOPSM301MSD (680-117942-43) in batch 240-203621. Magnesium and Calcium exceeded the recovery criteria high.

Antimony, Barium and Zinc exceeded the recovery criteria low for the MS of sample AOPSH301MS (680-117942-53) in batch 240-204042. Several analytes exceeded the recovery criteria high.

Antimony, Barium, Iron and Zinc exceeded the recovery criteria low for the MSD of sample AOPSH301MSD (680-117942-53) in batch 240-204042. Aluminum, Calcium, Manganese and Magnesium exceeded the recovery criteria high.

Antimony, Lead, Magnesium and Calcium exceeded the recovery criteria low for the MS of sample AOPSK201MS (680-117942-58) in batch 240-204042. Aluminum, Chromium, Iron and Manganese exceeded the recovery criteria high.

Antimony, Lead and Calcium exceeded the recovery criteria low for the MSD of sample AOPSK201MSD (680-117942-58) in batch 240-204042. Several analytes exceeded the recovery criteria high.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

MERCURY

Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for mercury in accordance with

Job ID: 680-117942-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

EPA SW-846 Method 7471B. The samples were prepared on 10/20/2015 and 10/21/2015 and analyzed on 10/22/2015 and 10/23/2015.

Hot Block take out temperature for the following samples was below the recommended 90-95C range: AOPSM301 (680-117942-43), AOPSM301 (680-117942-43[MS]), AOPSM301 (680-117942-43[MSD]), AOPSM201 (680-117942-44), AOPSM501 (680-117942-49) and AOPSH401 (680-117942-54). Analysis of the QC show acceptable recoveries and therefore suggest sample results were unaffected.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 10/17/2015 and 10/20/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117942-42	AOPSK101	Solid	10/12/15 14:28	10/17/15 09:55
680-117942-43	AOPSM301	Solid	10/12/15 14:00	10/16/15 09:45
680-117942-44	AOPSM201	Solid	10/12/15 13:58	10/16/15 09:45
680-117942-45	AOPSL201	Solid	10/12/15 14:25	10/17/15 09:50
680-117942-46	AOPSN301	Solid	10/12/15 13:55	10/17/15 09:50
680-117942-47	AOPSM401	Solid	10/12/15 13:35	10/17/15 09:50
680-117942-48	AOPSN401	Solid	10/12/15 13:35	10/17/15 09:50
680-117942-49	AOPSM501	Solid	10/12/15 13:35	10/16/15 09:45
680-117942-50	AOPSE601	Solid	10/12/15 17:07	10/17/15 09:50
680-117942-51	AOPSF501	Solid	10/12/15 17:20	10/17/15 09:50
680-117942-52	AOPSF701	Solid	10/12/15 16:46	10/17/15 09:50
680-117942-53	AOPSH301	Solid	10/12/15 17:00	10/16/15 09:45
680-117942-54	AOPSH401	Solid	10/12/15 17:15	10/16/15 09:45
680-117942-55	AOPSH501	Solid	10/12/15 17:20	10/17/15 09:50
680-117942-56	AOPCH501	Solid	10/12/15 17:20	10/17/15 09:50
680-117942-57	AOPSJ201	Solid	10/12/15 15:20	10/17/15 09:50
680-117942-58	AOPSK201	Solid	10/12/15 14:57	10/17/15 09:50
680-117942-59	AOPSK301	Solid	10/12/15 15:05	10/17/15 09:50
680-117942-60	AOPSK501	Solid	10/12/15 15:45	10/17/15 09:50
680-117942-61	AOPSL301	Solid	10/12/15 15:00	10/17/15 09:50
680-117942-62	AOPCL301	Solid	10/12/15 15:00	10/17/15 09:50
680-117942-63	AOPSL401	Solid	10/12/15 15:20	10/17/15 09:50
680-117942-64	AOPSL501	Solid	10/12/15 16:08	10/17/15 09:50
680-117942-65	AOPSL601	Solid	10/12/15 15:45	10/17/15 09:50
680-117942-66	AOPSL701	Solid	10/12/15 16:15	10/17/15 09:50
680-117942-67	FB101415	Water	10/14/15 13:35	10/17/15 09:50
680-117942-68	EB101415	Water	10/14/15 13:45	10/17/15 09:50

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D DOD	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
8015C GRO	Gasoline Range Organics (GRO)	SW846	TAL SAV
8015C DRO	Diesel Range Organics (DRO) (GC)	SW846	TAL SAV
8081B 8082A	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8151A DOD	Herbicides (GC)	EPA	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
Q	One or more quality control criteria failed.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
H	Sample was prepped or analyzed beyond the specified holding time
M	Manual integrated compound.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
D	The reported value is from a dilution.

GC VOA

Qualifier	Qualifier Description
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

GC Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
M	Manual integrated compound.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
Q	One or more quality control criteria failed.

Metals

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
D	The reported value is from a dilution.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
U	Undetected at the Limit of Detection.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix sp ke concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AOPSK101

Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42

Matrix: Solid
Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 19:19	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	11/01/15 19:19	1
Benzaldehyde	0.91	U Q	1.8	0.91	0.31	mg/Kg	☼	11/01/15 19:19	1
1,1'-Biphenyl	9.1	U	9.1	9.1	9.1	mg/Kg	☼	11/01/15 19:19	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 19:19	1
Bis(2-chloroethyl)ether	0.91	U	1.8	0.91	0.24	mg/Kg	☼	11/01/15 19:19	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 19:19	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 19:19	1
4-Bromophenyl phenyl ether	**0.40**	**J**	1.8	0.36	0.19	mg/Kg	☼	11/01/15 19:19	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 19:19	1
Caprolactam	0.91	U	1.8	0.91	0.35	mg/Kg	☼	11/01/15 19:19	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 19:19	1
4-Chloroaniline	0.91	U	3.5	0.91	0.28	mg/Kg	☼	11/01/15 19:19	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 19:19	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 19:19	1
2-Chlorophenol	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 19:19	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	11/01/15 19:19	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 19:19	1
3,3'-Dichlorobenzidine	0.36	U	3.5	0.36	0.15	mg/Kg	☼	11/01/15 19:19	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 19:19	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	11/01/15 19:19	1
2,4-Dimethylphenol	0.91	U	1.8	0.91	0.24	mg/Kg	☼	11/01/15 19:19	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 19:19	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 19:19	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.1	1.8	0.91	mg/Kg	☼	11/01/15 19:19	1
2,4-Dinitrophenol	7.0	U	9.1	7.0	4.4	mg/Kg	☼	11/01/15 19:19	1
2,4-Dinitrotoluene	**1.8**		1.8	0.91	0.26	mg/Kg	☼	11/01/15 19:19	1
2,6-Dinitrotoluene	**2.4**		1.8	0.36	0.22	mg/Kg	☼	11/01/15 19:19	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 19:19	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.64	mg/Kg	☼	11/01/15 19:19	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 19:19	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 19:19	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	11/01/15 19:19	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 19:19	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 19:19	1
2-Methylphenol	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 19:19	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	11/01/15 19:19	1
2-Nitroaniline	0.36	U	9.1	0.36	0.24	mg/Kg	☼	11/01/15 19:19	1
3-Nitroaniline	0.91	U	9.1	0.91	0.25	mg/Kg	☼	11/01/15 19:19	1
4-Nitroaniline	0.91	U	9.1	0.91	0.26	mg/Kg	☼	11/01/15 19:19	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 19:19	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	11/01/15 19:19	1
4-Nitrophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	11/01/15 19:19	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	11/01/15 19:19	1
N-Nitrosodiphenylamine	0.44	U	1.8	0.44	0.18	mg/Kg	☼	11/01/15 19:19	1
Pentachlorophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	11/01/15 19:19	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 19:19	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	11/01/15 19:19	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	11/01/15 19:19	1

Client Sample ID: AOPSK101

Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42

Matrix: Solid
Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 19:19	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*58 - 130*	*10/24/15 08:26*	*11/01/15 19:19*	*1*
2-Fluorophenol (Surr)	*62*		*40 - 130*	*10/24/15 08:26*	*11/01/15 19:19*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 130*	*10/24/15 08:26*	*11/01/15 19:19*	*1*
Phenol-d5 (Surr)	*66*		*49 - 130*	*10/24/15 08:26*	*11/01/15 19:19*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*10/24/15 08:26*	*11/01/15 19:19*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*58 - 130*	*10/24/15 08:26*	*11/01/15 19:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.34	U H	1.7	0.34	0.14	mg/Kg	☼	11/04/15 18:30	1
Atrazine	0.34	U H	1.7	0.34	0.12	mg/Kg	☼	11/04/15 18:30	1
Benzaldehyde	0.86	U H	1.7	0.86	0.29	mg/Kg	☼	11/04/15 18:30	1
1,1'-Biphenyl	8.6	U H	8.6	8.6	8.6	mg/Kg	☼	11/04/15 18:30	1
Bis(2-chloroethoxy)methane	0.34	U H	1.7	0.34	0.20	mg/Kg	☼	11/04/15 18:30	1
Bis(2-chloroethyl)ether	0.86	U H	1.7	0.86	0.23	mg/Kg	☼	11/04/15 18:30	1
bis (2-chloroisopropyl) ether	0.34	U H	1.7	0.34	0.15	mg/Kg	☼	11/04/15 18:30	1
Bis(2-ethylhexyl) phthalate	**0.23**	**J H**	1.7	0.34	0.15	mg/Kg	☼	11/04/15 18:30	1
4-Bromophenyl phenyl ether	0.34	U H	1.7	0.34	0.18	mg/Kg	☼	11/04/15 18:30	1
Butyl benzyl phthalate	0.34	U H	1.7	0.34	0.13	mg/Kg	☼	11/04/15 18:30	1
Caprolactam	0.86	U H	1.7	0.86	0.33	mg/Kg	☼	11/04/15 18:30	1
Carbazole	0.34	U H	1.7	0.34	0.15	mg/Kg	☼	11/04/15 18:30	1
4-Chloroaniline	0.86	U H	3.3	0.86	0.26	mg/Kg	☼	11/04/15 18:30	1
4-Chloro-3-methylphenol	0.34	U H	1.7	0.34	0.18	mg/Kg	☼	11/04/15 18:30	1
2-Chloronaphthalene	0.34	U H	1.7	0.34	0.18	mg/Kg	☼	11/04/15 18:30	1
2-Chlorophenol	0.34	U H	1.7	0.34	0.20	mg/Kg	☼	11/04/15 18:30	1
4-Chlorophenyl phenyl ether	0.34	U H	1.7	0.34	0.22	mg/Kg	☼	11/04/15 18:30	1
Dibenzofuran	0.34	U H	1.7	0.34	0.17	mg/Kg	☼	11/04/15 18:30	1
3,3'-Dichlorobenzidine	0.34	U H	3.3	0.34	0.14	mg/Kg	☼	11/04/15 18:30	1
2,4-Dichlorophenol	0.34	U H	1.7	0.34	0.18	mg/Kg	☼	11/04/15 18:30	1
Diethyl phthalate	0.34	U H	1.7	0.34	0.19	mg/Kg	☼	11/04/15 18:30	1
2,4-Dimethylphenol	0.86	U H	1.7	0.86	0.22	mg/Kg	☼	11/04/15 18:30	1
Dimethyl phthalate	0.34	U H	1.7	0.34	0.17	mg/Kg	☼	11/04/15 18:30	1
Di-n-butyl phthalate	0.34	U H	1.7	0.34	0.15	mg/Kg	☼	11/04/15 18:30	1
2-Methyl-4,6-dinitrophenol	1.7	U H	8.6	1.7	0.86	mg/Kg	☼	11/04/15 18:30	1
2,4-Dinitrophenol	6.6	U H	8.6	6.6	4.2	mg/Kg	☼	11/04/15 18:30	1
2,4-Dinitrotoluene	0.86	U H	1.7	0.86	0.25	mg/Kg	☼	11/04/15 18:30	1
2,6-Dinitrotoluene	0.34	U H	1.7	0.34	0.21	mg/Kg	☼	11/04/15 18:30	1
Di-n-octyl phthalate	0.34	U H	1.7	0.34	0.15	mg/Kg	☼	11/04/15 18:30	1
1,4-Dioxane	1.7	U H	1.7	1.7	0.61	mg/Kg	☼	11/04/15 18:30	1
Hexachlorobenzene	0.34	U H	1.7	0.34	0.20	mg/Kg	☼	11/04/15 18:30	1
Hexachlorobutadiene	0.34	U H	1.7	0.34	0.18	mg/Kg	☼	11/04/15 18:30	1
Hexachlorocyclopentadiene	0.34	U H	1.7	0.34	0.21	mg/Kg	☼	11/04/15 18:30	1
Hexachloroethane	0.34	U H	1.7	0.34	0.14	mg/Kg	☼	11/04/15 18:30	1
Isophorone	0.34	U H	1.7	0.34	0.17	mg/Kg	☼	11/04/15 18:30	1
2-Methylphenol	0.34	U H	1.7	0.34	0.14	mg/Kg	☼	11/04/15 18:30	1
3 & 4 Methylphenol	0.34	U H	1.7	0.34	0.22	mg/Kg	☼	11/04/15 18:30	1

Client Sample ID: AOPSK101

Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42

Matrix: Solid
Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Nitroaniline	0.34	U H	8.6	0.34	0.23	mg/Kg	☼	11/04/15 18:30	1
3-Nitroaniline	0.86	U H	8.6	0.86	0.23	mg/Kg	☼	11/04/15 18:30	1
4-Nitroaniline	0.86	U H	8.6	0.86	0.25	mg/Kg	☼	11/04/15 18:30	1
Nitrobenzene	0.34	U H	1.7	0.34	0.13	mg/Kg	☼	11/04/15 18:30	1
2-Nitrophenol	0.34	U H	1.7	0.34	0.21	mg/Kg	☼	11/04/15 18:30	1
4-Nitrophenol	3.4	U H	8.6	3.4	1.7	mg/Kg	☼	11/04/15 18:30	1
N-Nitrosodi-n-propylamine	0.34	U H	1.7	0.34	0.16	mg/Kg	☼	11/04/15 18:30	1
N-Nitrosodiphenylamine	0.42	U H	1.7	0.42	0.17	mg/Kg	☼	11/04/15 18:30	1
Pentachlorophenol	3.4	U H	8.6	3.4	1.7	mg/Kg	☼	11/04/15 18:30	1
Phenol	0.34	U H	1.7	0.34	0.17	mg/Kg	☼	11/04/15 18:30	1
1,2,4,5-Tetrachlorobenzene	0.34	U H	1.7	0.34	0.16	mg/Kg	☼	11/04/15 18:30	1
2,3,4,6-Tetrachlorophenol	0.34	U H	1.7	0.34	0.11	mg/Kg	☼	11/04/15 18:30	1
2,4,5-Trichlorophenol	0.34	U H	1.7	0.34	0.18	mg/Kg	☼	11/04/15 18:30	1
2,4,6-Trichlorophenol	0.34	U H	1.7	0.34	0.15	mg/Kg	☼	11/04/15 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*58 - 130*	*11/03/15 16:47*	*11/04/15 18:30*	*1*
2-Fluorophenol (Surr)	*51*		*40 - 130*	*11/03/15 16:47*	*11/04/15 18:30*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 130*	*11/03/15 16:47*	*11/04/15 18:30*	*1*
Phenol-d5 (Surr)	*57*		*49 - 130*	*11/03/15 16:47*	*11/04/15 18:30*	*1*
Terphenyl-d14 (Surr)	*58*	*Q*	*60 - 130*	*11/03/15 16:47*	*11/04/15 18:30*	*1*
2,4,6-Tribromophenol (Surr)	*56*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 18:30*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**17000**	**D**	85	17	2.6	mg/Kg	☼	10/27/15 13:01	10
Antimony	**0.60**	**J D**	1.7	0.64	0.060	mg/Kg	☼	10/27/15 13:01	10
Arsenic	**1.7**	**J D**	4.3	0.64	0.11	mg/Kg	☼	10/27/15 13:01	10
Barium	**27**	**D**	4.3	1.3	0.94	mg/Kg	☼	10/27/15 13:01	10
Beryllium	**0.29**	**J D**	0.85	0.43	0.047	mg/Kg	☼	10/27/15 13:01	10
Cadmium	**0.85**	**J D**	1.7	0.043	0.016	mg/Kg	☼	10/27/15 13:01	10
Calcium	**53000**	**D**	3400	850	190	mg/Kg	☼	10/27/15 16:20	20
Chromium	**270**	**D**	4.3	1.9	0.26	mg/Kg	☼	10/27/15 13:01	10
Cobalt	**30**	**D**	0.85	0.064	0.0072	mg/Kg	☼	10/27/15 13:01	10
Copper	**38**	**D**	3.4	1.3	0.41	mg/Kg	☼	10/27/15 13:01	10
Iron	**34000**	**D**	430	130	14	mg/Kg	☼	10/27/15 13:01	10
Lead	**110**	**D**	2.6	0.85	0.19	mg/Kg	☼	10/27/15 13:01	10
Magnesium	**53000**	**D**	1700	210	34	mg/Kg	☼	10/27/15 16:20	20
Manganese	**550**	**D**	4.3	1.7	0.51	mg/Kg	☼	10/27/15 13:01	10
Nickel	**570**	**D**	4.3	1.1	0.17	mg/Kg	☼	10/27/15 13:01	10
Potassium	**1200**	**D**	850	43	21	mg/Kg	☼	10/27/15 13:01	10
Selenium	**0.67**	**J D**	4.3	0.26	0.17	mg/Kg	☼	10/27/15 13:01	10
Silver	**0.15**	**J D**	0.85	0.21	0.0060	mg/Kg	☼	10/27/15 13:01	10
Sodium	**310**	**J D**	850	170	37	mg/Kg	☼	10/27/15 13:01	10
Thallium	**0.25**	**J D**	1.7	0.64	0.081	mg/Kg	☼	10/27/15 13:01	10
V	**83**	**D**	4.3	0.43	0.16	mg/Kg	☼	10/27/15 13:01	10
Zinc	**110**	**D**	34	8.5	2.1	mg/Kg	☼	10/27/15 13:01	10

Client Sample ID: AOPSK101

Lab Sample ID: 680-117942-42
Date Collected: 10/12/15 14:28
Matrix: Solid
Date Received: 10/17/15 09:55
Percent Solids: 92.5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.026	J	0.10	0.033	0.014	mg/Kg	☼	10/22/15 10:07	1

Client Sample ID: AOPSM301

Lab Sample ID: 680-117942-43
Date Collected: 10/12/15 14:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 92.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.18		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Acenaphthylene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Anthracene	0.23		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Benzo[a]anthracene	1.9		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Benzo[a]pyrene	1.8		0.035	0.017	0.0063	mg/Kg	☼	10/28/15 16:07	1
Benzo[b]fluoranthene	2.8	M	0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Benzo[g,h,i]perylene	0.99		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Benzo[k]fluoranthene	0.86	M	0.035	0.017	0.011	mg/Kg	☼	10/28/15 16:07	1
Chrysene	2.1		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Fluoranthene	4.5	J	0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Fluorene	0.083		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Indeno[1,2,3-cd]pyrene	1.1		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Dibenz(a,h)anthracene	0.33		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Naphthalene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
Phenanthrene	2.2		0.035	0.017	0.013	mg/Kg	☼	10/28/15 16:07	1
Pyrene	3.2		0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1
1-Methylnaphthalene	0.024	J	0.035	0.017	0.016	mg/Kg	☼	10/28/15 16:07	1
2-Methylnaphthalene	0.017	J	0.035	0.035	0.017	mg/Kg	☼	10/28/15 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*36 - 131*	*10/24/15 09:57*	*10/28/15 16:07*	*1*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Acenaphthylene	0.18	U	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Anthracene	0.26	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Benzo[a]anthracene	1.8	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Benzo[a]pyrene	1.8	D J	0.18	0.087	0.032	mg/Kg	☼	10/29/15 17:17	5
Benzo[b]fluoranthene	2.2	D M J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Benzo[g,h,i]perylene	1.3	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Benzo[k]fluoranthene	1.2	D M J	0.18	0.087	0.053	mg/Kg	☼	10/29/15 17:17	5
Chrysene	2.1	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Fluoranthene	4.0	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Fluorene	0.18	U J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Indeno[1,2,3-cd]pyrene	1.4	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Dibenz(a,h)anthracene	0.39	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Naphthalene	0.18	U	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
Phenanthrene	2.1	D J	0.18	0.087	0.063	mg/Kg	☼	10/29/15 17:17	5
Pyrene	3.2	D J	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5
1-Methylnaphthalene	0.087	U	0.18	0.087	0.082	mg/Kg	☼	10/29/15 17:17	5
2-Methylnaphthalene	0.18	U	0.18	0.18	0.087	mg/Kg	☼	10/29/15 17:17	5

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	59		36 - 131	10/24/15 09:57	10/29/15 17:17	5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.35	U J	1.7	0.35	0.15	mg/Kg	☼	11/01/15 19:44	1
Atrazine	0.35	U J	1.7	0.35	0.12	mg/Kg	☼	11/01/15 19:44	1
Benzaldehyde	0.89	U J Q	1.7	0.89	0.30	mg/Kg	☼	11/01/15 19:44	1
1,1'-Biphenyl	8.9	U J	8.9	8.9	8.9	mg/Kg	☼	11/01/15 19:44	1
Bis(2-chloroethoxy)methane	0.35	U J	1.7	0.35	0.21	mg/Kg	☼	11/01/15 19:44	1
Bis(2-chloroethyl)ether	0.89	U J	1.7	0.89	0.24	mg/Kg	☼	11/01/15 19:44	1
bis (2-chloroisopropyl) ether	0.35	U J	1.7	0.35	0.16	mg/Kg	☼	11/01/15 19:44	1
Bis(2-ethylhexyl) phthalate	0.35	U J	1.7	0.35	0.15	mg/Kg	☼	11/01/15 19:44	1
4-Bromophenyl phenyl ether	0.35	U J	1.7	0.35	0.19	mg/Kg	☼	11/01/15 19:44	1
Butyl benzyl phthalate	0.35	U J	1.7	0.35	0.14	mg/Kg	☼	11/01/15 19:44	1
Caprolactam	0.89	U J	1.7	0.89	0.35	mg/Kg	☼	11/01/15 19:44	1
Carbazole	**0.90**	**J**	1.7	0.35	0.16	mg/Kg	☼	11/01/15 19:44	1
4-Chloroaniline	0.89	U J	3.5	0.89	0.27	mg/Kg	☼	11/01/15 19:44	1
4-Chloro-3-methylphenol	0.35	U J	1.7	0.35	0.18	mg/Kg	☼	11/01/15 19:44	1
2-Chloronaphthalene	0.35	U J	1.7	0.35	0.18	mg/Kg	☼	11/01/15 19:44	1
2-Chlorophenol	0.35	U J	1.7	0.35	0.21	mg/Kg	☼	11/01/15 19:44	1
4-Chlorophenyl phenyl ether	0.35	U J	1.7	0.35	0.23	mg/Kg	☼	11/01/15 19:44	1
Dibenzofuran	**0.48**	**J**	1.7	0.35	0.17	mg/Kg	☼	11/01/15 19:44	1
3,3'-Dichlorobenzidine	0.35	U	3.5	0.35	0.15	mg/Kg	☼	11/01/15 19:44	1
2,4-Dichlorophenol	0.35	U J	1.7	0.35	0.18	mg/Kg	☼	11/01/15 19:44	1
Diethyl phthalate	0.35	U J	1.7	0.35	0.19	mg/Kg	☼	11/01/15 19:44	1
2,4-Dimethylphenol	0.89	U J	1.7	0.89	0.23	mg/Kg	☼	11/01/15 19:44	1
Dimethyl phthalate	0.35	U J	1.7	0.35	0.18	mg/Kg	☼	11/01/15 19:44	1
Di-n-butyl phthalate	0.35	U J	1.7	0.35	0.16	mg/Kg	☼	11/01/15 19:44	1
2-Methyl-4,6-dinitrophenol	1.7	U J	8.9	1.7	0.89	mg/Kg	☼	11/01/15 19:44	1
2,4-Dinitrophenol	6.8	U J	8.9	6.8	4.4	mg/Kg	☼	11/01/15 19:44	1
2,4-Dinitrotoluene	0.89	U J	1.7	0.89	0.26	mg/Kg	☼	11/01/15 19:44	1
2,6-Dinitrotoluene	0.35	U J	1.7	0.35	0.22	mg/Kg	☼	11/01/15 19:44	1
Di-n-octyl phthalate	0.35	U J	1.7	0.35	0.15	mg/Kg	☼	11/01/15 19:44	1
1,4-Dioxane	1.7	U Q J	1.7	1.7	0.63	mg/Kg	☼	11/01/15 19:44	1
Hexachlorobenzene	0.35	U J	1.7	0.35	0.21	mg/Kg	☼	11/01/15 19:44	1
Hexachlorobutadiene	0.35	U J	1.7	0.35	0.19	mg/Kg	☼	11/01/15 19:44	1
Hexachlorocyclopentadiene	0.35	U J Q	1.7	0.35	0.22	mg/Kg	☼	11/01/15 19:44	1
Hexachloroethane	0.35	U J	1.7	0.35	0.15	mg/Kg	☼	11/01/15 19:44	1
Isophorone	0.35	U J	1.7	0.35	0.17	mg/Kg	☼	11/01/15 19:44	1
2-Methylphenol	0.35	U J	1.7	0.35	0.14	mg/Kg	☼	11/01/15 19:44	1
3 & 4 Methylphenol	0.35	U J	1.7	0.35	0.23	mg/Kg	☼	11/01/15 19:44	1
2-Nitroaniline	0.35	U J	8.9	0.35	0.24	mg/Kg	☼	11/01/15 19:44	1
3-Nitroaniline	0.89	U	8.9	0.89	0.24	mg/Kg	☼	11/01/15 19:44	1
4-Nitroaniline	0.89	U J	8.9	0.89	0.26	mg/Kg	☼	11/01/15 19:44	1
Nitrobenzene	0.35	U J	1.7	0.35	0.14	mg/Kg	☼	11/01/15 19:44	1
2-Nitrophenol	0.35	U J	1.7	0.35	0.22	mg/Kg	☼	11/01/15 19:44	1
4-Nitrophenol	3.5	U J	8.9	3.5	1.7	mg/Kg	☼	11/01/15 19:44	1
N-Nitrosodi-n-propylamine	0.35	U J	1.7	0.35	0.17	mg/Kg	☼	11/01/15 19:44	1
N-Nitrosodiphenylamine	0.44	U J	1.7	0.44	0.17	mg/Kg	☼	11/01/15 19:44	1
Pentachlorophenol	3.5	U J	8.9	3.5	1.7	mg/Kg	☼	11/01/15 19:44	1

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.35	U J	1.7	0.35	0.18	mg/Kg	☼	11/01/15 19:44	1
1,2,4,5-Tetrachlorobenzene	0.35	U J	1.7	0.35	0.16	mg/Kg	☼	11/01/15 19:44	1
2,3,4,6-Tetrachlorophenol	0.35	U J	1.7	0.35	0.12	mg/Kg	☼	11/01/15 19:44	1
2,4,5-Trichlorophenol	0.35	U J	1.7	0.35	0.18	mg/Kg	☼	11/01/15 19:44	1
2,4,6-Trichlorophenol	0.35	U J	1.7	0.35	0.15	mg/Kg	☼	11/01/15 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*58 - 130*	*10/24/15 08:26*	*11/01/15 19:44*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/24/15 08:26*	*11/01/15 19:44*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 130*	*10/24/15 08:26*	*11/01/15 19:44*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*10/24/15 08:26*	*11/01/15 19:44*	*1*
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/24/15 08:26*	*11/01/15 19:44*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/24/15 08:26*	*11/01/15 19:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U H J	1.8	0.37	0.15	mg/Kg	☼	11/04/15 18:53	1
Atrazine	0.37	U H	1.8	0.37	0.13	mg/Kg	☼	11/04/15 18:53	1
Benzaldehyde	0.93	U H	1.8	0.93	0.32	mg/Kg	☼	11/04/15 18:53	1
1,1'-Biphenyl	9.3	U H J	9.3	9.3	9.3	mg/Kg	☼	11/04/15 18:53	1
Bis(2-chloroethoxy)methane	0.37	U H	1.8	0.37	0.21	mg/Kg	☼	11/04/15 18:53	1
Bis(2-chloroethyl)ether	0.93	U H	1.8	0.93	0.25	mg/Kg	☼	11/04/15 18:53	1
bis (2-chloroisopropyl) ether	0.37	U H J	1.8	0.37	0.16	mg/Kg	☼	11/04/15 18:53	1
Bis(2-ethylhexyl) phthalate	**0.31**	**J H**	1.8	0.37	0.16	mg/Kg	☼	11/04/15 18:53	1
4-Bromophenyl phenyl ether	0.37	U H J	1.8	0.37	0.20	mg/Kg	☼	11/04/15 18:53	1
Butyl benzyl phthalate	0.37	U H	1.8	0.37	0.14	mg/Kg	☼	11/04/15 18:53	1
Caprolactam	0.93	U H J	1.8	0.93	0.36	mg/Kg	☼	11/04/15 18:53	1
Carbazole	**0.30**	**J H**	1.8	0.37	0.16	mg/Kg	☼	11/04/15 18:53	1
4-Chloroaniline	0.93	U H	3.6	0.93	0.28	mg/Kg	☼	11/04/15 18:53	1
4-Chloro-3-methylphenol	0.37	U H J	1.8	0.37	0.19	mg/Kg	☼	11/04/15 18:53	1
2-Chloronaphthalene	0.37	U H J	1.8	0.37	0.19	mg/Kg	☼	11/04/15 18:53	1
2-Chlorophenol	0.37	U H	1.8	0.37	0.22	mg/Kg	☼	11/04/15 18:53	1
4-Chlorophenyl phenyl ether	0.37	U H J	1.8	0.37	0.24	mg/Kg	☼	11/04/15 18:53	1
Dibenzofuran	0.37	U H J	1.8	0.37	0.18	mg/Kg	☼	11/04/15 18:53	1
3,3'-Dichlorobenzidine	0.37	U H	3.6	0.37	0.15	mg/Kg	☼	11/04/15 18:53	1
2,4-Dichlorophenol	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/04/15 18:53	1
Diethyl phthalate	0.37	U H J	1.8	0.37	0.20	mg/Kg	☼	11/04/15 18:53	1
2,4-Dimethylphenol	0.93	U H J	1.8	0.93	0.24	mg/Kg	☼	11/04/15 18:53	1
Dimethyl phthalate	0.37	U H J	1.8	0.37	0.19	mg/Kg	☼	11/04/15 18:53	1
Di-n-butyl phthalate	0.37	U H J	1.8	0.37	0.16	mg/Kg	☼	11/04/15 18:53	1
2-Methyl-4,6-dinitrophenol	1.8	U H	9.3	1.8	0.93	mg/Kg	☼	11/04/15 18:53	1
2,4-Dinitrophenol	7.1	U H	9.3	7.1	4.5	mg/Kg	☼	11/04/15 18:53	1
2,4-Dinitrotoluene	0.93	U H J	1.8	0.93	0.27	mg/Kg	☼	11/04/15 18:53	1
2,6-Dinitrotoluene	0.37	U H J	1.8	0.37	0.23	mg/Kg	☼	11/04/15 18:53	1
Di-n-octyl phthalate	0.37	U H	1.8	0.37	0.16	mg/Kg	☼	11/04/15 18:53	1
1,4-Dioxane	1.8	U H	1.8	1.8	0.66	mg/Kg	☼	11/04/15 18:53	1
Hexachlorobenzene	0.37	U H J	1.8	0.37	0.21	mg/Kg	☼	11/04/15 18:53	1
Hexachlorobutadiene	0.37	U H J	1.8	0.37	0.20	mg/Kg	☼	11/04/15 18:53	1
Hexachlorocyclopentadiene	0.37	U H	1.8	0.37	0.22	mg/Kg	☼	11/04/15 18:53	1
Hexachloroethane	0.37	U H	1.8	0.37	0.15	mg/Kg	☼	11/04/15 18:53	1

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isophorone	0.37	U H J	1.8	0.37	0.18	mg/Kg	☼	11/04/15 18:53	1
2-Methylphenol	0.37	U H J	1.8	0.37	0.15	mg/Kg	☼	11/04/15 18:53	1
3 & 4 Methylphenol	0.37	U H	1.8	0.37	0.23	mg/Kg	☼	11/04/15 18:53	1
2-Nitroaniline	0.37	U H J	9.3	0.37	0.25	mg/Kg	☼	11/04/15 18:53	1
3-Nitroaniline	0.93	U H	9.3	0.93	0.25	mg/Kg	☼	11/04/15 18:53	1
4-Nitroaniline	0.93	U H J	9.3	0.93	0.27	mg/Kg	☼	11/04/15 18:53	1
Nitrobenzene	0.37	U H J	1.8	0.37	0.14	mg/Kg	☼	11/04/15 18:53	1
2-Nitrophenol	0.37	U H	1.8	0.37	0.22	mg/Kg	☼	11/04/15 18:53	1
4-Nitrophenol	3.7	U H	9.3	3.7	1.8	mg/Kg	☼	11/04/15 18:53	1
N-Nitrosodi-n-propylamine	0.37	U H	1.8	0.37	0.17	mg/Kg	☼	11/04/15 18:53	1
N-Nitrosodiphenylamine	0.45	U H J	1.8	0.45	0.18	mg/Kg	☼	11/04/15 18:53	1
Pentachlorophenol	3.7	U H	9.3	3.7	1.8	mg/Kg	☼	11/04/15 18:53	1
Phenol	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/04/15 18:53	1
1,2,4,5-Tetrachlorobenzene	0.37	U H J	1.8	0.37	0.17	mg/Kg	☼	11/04/15 18:53	1
2,3,4,6-Tetrachlorophenol	0.37	U H J	1.8	0.37	0.12	mg/Kg	☼	11/04/15 18:53	1
2,4,5-Trichlorophenol	0.37	U H J	1.8	0.37	0.19	mg/Kg	☼	11/04/15 18:53	1
2,4,6-Trichlorophenol	0.37	U H J	1.8	0.37	0.16	mg/Kg	☼	11/04/15 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 18:53*	*1*
2-Fluorophenol (Surr)	*42*		*40 - 130*	*11/03/15 16:47*	*11/04/15 18:53*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 130*	*11/03/15 16:47*	*11/04/15 18:53*	*1*
Phenol-d5 (Surr)	*49*		*49 - 130*	*11/03/15 16:47*	*11/04/15 18:53*	*1*
Terphenyl-d14 (Surr)	*54*	*Q*	*60 - 130*	*11/03/15 16:47*	*11/04/15 18:53*	*1*
2,4,6-Tribromophenol (Surr)	*52*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 18:53*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**15000**	**J D**	94	19	2.9	mg/Kg	☼	10/24/15 17:08	10
Antimony	**0.32**	**J D**	1.9	0.71	0.066	mg/Kg	☼	10/24/15 17:08	10
Arsenic	**0.99**	**J D**	4.7	0.71	0.12	mg/Kg	☼	10/24/15 17:08	10
Barium	**15**	**J D**	4.7	1.4	1.0	mg/Kg	☼	10/24/15 17:08	10
Beryllium	**0.17**	**J D**	0.94	0.47	0.052	mg/Kg	☼	10/24/15 17:08	10
Cadmium	**0.26**	**J D**	1.9	0.047	0.017	mg/Kg	☼	10/24/15 17:08	10
Calcium	**16000**	**J D**	1900	470	100	mg/Kg	☼	10/24/15 17:08	10
Chromium	**280**	**J D**	4.7	2.1	0.28	mg/Kg	☼	10/24/15 17:08	10
Cobalt	**33**	**D**	0.94	0.071	0.0080	mg/Kg	☼	10/24/15 17:08	10
Copper	**40**	**D**	3.8	1.4	0.46	mg/Kg	☼	10/24/15 17:08	10
Iron	**32000**	**J D**	470	140	15	mg/Kg	☼	10/24/15 17:08	10
Lead	**51**	**D**	2.8	0.94	0.21	mg/Kg	☼	10/24/15 17:08	10
Magnesium	**42000**	**D J**	1900	240	38	mg/Kg	☼	10/22/15 19:31	20
Manganese	**490**	**J D**	4.7	1.9	0.56	mg/Kg	☼	10/24/15 17:08	10
Nickel	**590**	**D J**	4.7	1.2	0.18	mg/Kg	☼	10/24/15 17:08	10
Potassium	**1100**	**D**	940	47	23	mg/Kg	☼	10/24/15 17:08	10
Selenium	**0.29**	**J D**	4.7	0.28	0.19	mg/Kg	☼	10/24/15 17:08	10
Silver	**0.044**	**J D**	0.94	0.24	0.0066	mg/Kg	☼	10/24/15 17:08	10
Sodium	**100**	**J D**	940	190	41	mg/Kg	☼	10/24/15 17:08	10
Thallium	0.71	U	1.9	0.71	0.089	mg/Kg	☼	10/24/15 17:08	10
V	**86**	**D**	4.7	0.47	0.17	mg/Kg	☼	10/24/15 17:08	10
Zinc	**77**	**D**	38	9.4	2.4	mg/Kg	☼	10/24/15 17:08	10

Client Sample ID: AOPSM301

Lab Sample ID: 680-117942-43
Date Collected: 10/12/15 14:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 92.5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.020	J	0.12	0.039	0.017	mg/Kg	☼	10/23/15 16:50	1

Client Sample ID: AOPSM201

Lab Sample ID: 680-117942-44
Date Collected: 10/12/15 13:58
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 86.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	1.2	D	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Acenaphthylene	0.19	U	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Anthracene	2.0	D	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Benzo[a]anthracene	9.7	D Q	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Benzo[a]pyrene	8.6	D	0.19	0.093	0.034	mg/Kg	☼	10/28/15 22:18	5
Benzo[b]fluoranthene	12	D M	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Benzo[g,h,i]perylene	3.4	D	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Benzo[k]fluoranthene	5.0	D M	0.19	0.093	0.056	mg/Kg	☼	10/28/15 22:18	5
Chrysene	10	D Q	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Fluoranthene	23	D J	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Fluorene	0.83	D	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Indeno[1,2,3-cd]pyrene	3.3	D Q	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Dibenz(a,h)anthracene	1.2	D	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Naphthalene	0.16	J D	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
Phenanthrene	13	D	0.19	0.093	0.068	mg/Kg	☼	10/28/15 22:18	5
Pyrene	15	D Q	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5
1-Methylnaphthalene	0.14	J D	0.19	0.093	0.088	mg/Kg	☼	10/28/15 22:18	5
2-Methylnaphthalene	0.12	J D	0.19	0.19	0.093	mg/Kg	☼	10/28/15 22:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*40*	*Q*	*36 - 131*	*10/24/15 09:57*	*10/28/15 22:18*	*5*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	2.0	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Acenaphthylene	0.76	U	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Anthracene	3.3	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Benzo[a]anthracene	15	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Benzo[a]pyrene	13	D	0.76	0.37	0.14	mg/Kg	☼	10/29/15 18:07	20
Benzo[b]fluoranthene	17	D M	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Benzo[g,h,i]perylene	7.0	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Benzo[k]fluoranthene	7.1	D M	0.76	0.37	0.23	mg/Kg	☼	10/29/15 18:07	20
Chrysene	16	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Fluoranthene	32	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Fluorene	1.2	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Indeno[1,2,3-cd]pyrene	8.2	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Dibenz(a,h)anthracene	2.4	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Naphthalene	0.76	U	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
Phenanthrene	19	D	0.76	0.37	0.27	mg/Kg	☼	10/29/15 18:07	20
Pyrene	22	D	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20
1-Methylnaphthalene	0.37	U	0.76	0.37	0.35	mg/Kg	☼	10/29/15 18:07	20
2-Methylnaphthalene	0.76	U	0.76	0.76	0.37	mg/Kg	☼	10/29/15 18:07	20

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*0*	*D*	*36 - 131*	*10/24/15 09:57*	*10/29/15 18:07*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:08	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	11/01/15 20:08	1
Benzaldehyde	0.94	U Q	1.8	0.94	0.32	mg/Kg	☼	11/01/15 20:08	1
1,1'-Biphenyl	9.4	U	9.4	9.4	9.4	mg/Kg	☼	11/01/15 20:08	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 20:08	1
Bis(2-chloroethyl)ether	0.94	U	1.8	0.94	0.25	mg/Kg	☼	11/01/15 20:08	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:08	1
Bis(2-ethylhexyl) phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:08	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/01/15 20:08	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/01/15 20:08	1
Caprolactam	0.94	U	1.8	0.94	0.37	mg/Kg	☼	11/01/15 20:08	1
Carbazole	**2.6**		1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:08	1
4-Chloroaniline	0.94	U	3.7	0.94	0.29	mg/Kg	☼	11/01/15 20:08	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:08	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:08	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 20:08	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/01/15 20:08	1
Dibenzofuran	**1.1**	**J**	1.8	0.37	0.18	mg/Kg	☼	11/01/15 20:08	1
3,3'-Dichlorobenzidine	0.37	U	3.7	0.37	0.16	mg/Kg	☼	11/01/15 20:08	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:08	1
Diethyl phthalate	0.37	U	1.8	0.37	0.21	mg/Kg	☼	11/01/15 20:08	1
2,4-Dimethylphenol	0.94	U	1.8	0.94	0.24	mg/Kg	☼	11/01/15 20:08	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:08	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:08	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.4	1.8	0.94	mg/Kg	☼	11/01/15 20:08	1
2,4-Dinitrophenol	7.2	U	9.4	7.2	4.6	mg/Kg	☼	11/01/15 20:08	1
2,4-Dinitrotoluene	0.94	U	1.8	0.94	0.27	mg/Kg	☼	11/01/15 20:08	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/01/15 20:08	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:08	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.67	mg/Kg	☼	11/01/15 20:08	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 20:08	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/01/15 20:08	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	11/01/15 20:08	1
Hexachloroethane	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:08	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 20:08	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/01/15 20:08	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/01/15 20:08	1
2-Nitroaniline	0.37	U	9.4	0.37	0.25	mg/Kg	☼	11/01/15 20:08	1
3-Nitroaniline	0.94	U	9.4	0.94	0.26	mg/Kg	☼	11/01/15 20:08	1
4-Nitroaniline	0.94	U	9.4	0.94	0.27	mg/Kg	☼	11/01/15 20:08	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/01/15 20:08	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/01/15 20:08	1
4-Nitrophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	11/01/15 20:08	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 20:08	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	11/01/15 20:08	1
Pentachlorophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	11/01/15 20:08	1

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:08	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:08	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	11/01/15 20:08	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:08	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 20:08*	*1*
2-Fluorophenol (Surr)	*48*		*40 - 130*	*10/24/15 08:26*	*11/01/15 20:08*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 130*	*10/24/15 08:26*	*11/01/15 20:08*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*10/24/15 08:26*	*11/01/15 20:08*	*1*
Terphenyl-d14 (Surr)	*60*		*60 - 130*	*10/24/15 08:26*	*11/01/15 20:08*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*58 - 130*	*10/24/15 08:26*	*11/01/15 20:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 19:18	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 19:18	1
Benzaldehyde	0.99	U H	1.9	0.99	0.34	mg/Kg	☼	11/04/15 19:18	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	11/04/15 19:18	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 19:18	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 19:18	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:18	1
Bis(2-ethylhexyl) phthalate	**0.40**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:18	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 19:18	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 19:18	1
Caprolactam	0.99	U H	1.9	0.99	0.38	mg/Kg	☼	11/04/15 19:18	1
Carbazole	**0.87**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:18	1
4-Chloroaniline	0.99	U H	3.8	0.99	0.30	mg/Kg	☼	11/04/15 19:18	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:18	1
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:18	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 19:18	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	11/04/15 19:18	1
Dibenzofuran	**0.32**	**J H**	1.9	0.39	0.19	mg/Kg	☼	11/04/15 19:18	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	11/04/15 19:18	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:18	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 19:18	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 19:18	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:18	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:18	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	11/04/15 19:18	1
2,4-Dinitrophenol	7.5	U H	9.9	7.5	4.8	mg/Kg	☼	11/04/15 19:18	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.28	mg/Kg	☼	11/04/15 19:18	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 19:18	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:18	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.70	mg/Kg	☼	11/04/15 19:18	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 19:18	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 19:18	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 19:18	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 19:18	1

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 19:18	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 19:18	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/04/15 19:18	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	11/04/15 19:18	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	11/04/15 19:18	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.28	mg/Kg	☼	11/04/15 19:18	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 19:18	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 19:18	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 19:18	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 19:18	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/04/15 19:18	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 19:18	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:18	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 19:18	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 19:18	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:18	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*58 - 130*	*11/03/15 16:47*	*11/04/15 19:18*	*1*
2-Fluorophenol (Surr)	*55*		*40 - 130*	*11/03/15 16:47*	*11/04/15 19:18*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 130*	*11/03/15 16:47*	*11/04/15 19:18*	*1*
Phenol-d5 (Surr)	*60*		*49 - 130*	*11/03/15 16:47*	*11/04/15 19:18*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*11/03/15 16:47*	*11/04/15 19:18*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*	*11/03/15 16:47*	*11/04/15 19:18*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**16000**	**D**	95	19	2.9	mg/Kg	☼	10/24/15 18:19	10
Antimony	**1.0**	**J D**	1.9	0.71	0.066	mg/Kg	☼	10/24/15 18:19	10
Arsenic	**3.5**	**J D**	4.7	0.71	0.12	mg/Kg	☼	10/24/15 18:19	10
Barium	**63**	**D**	4.7	1.4	1.0	mg/Kg	☼	10/24/15 18:19	10
Beryllium	**0.31**	**J D**	0.95	0.47	0.052	mg/Kg	☼	10/24/15 18:19	10
Cadmium	**0.90**	**J D**	1.9	0.047	0.018	mg/Kg	☼	10/24/15 18:19	10
Calcium	**73000**	**D**	3800	950	210	mg/Kg	☼	10/22/15 20:43	20
Chromium	**130**	**D**	4.7	2.1	0.28	mg/Kg	☼	10/24/15 18:19	10
Cobalt	**23**	**D**	0.95	0.071	0.0081	mg/Kg	☼	10/24/15 18:19	10
Copper	**90**	**D**	3.8	1.4	0.46	mg/Kg	☼	10/24/15 18:19	10
Iron	**29000**	**D**	470	140	15	mg/Kg	☼	10/24/15 18:19	10
Lead	**190**	**D**	2.8	0.95	0.21	mg/Kg	☼	10/24/15 18:19	10
Magnesium	**27000**	**D**	950	120	19	mg/Kg	☼	10/24/15 18:19	10
Manganese	**720**	**D**	4.7	1.9	0.57	mg/Kg	☼	10/24/15 18:19	10
Nickel	**320**	**D**	4.7	1.2	0.18	mg/Kg	☼	10/24/15 18:19	10
Potassium	**1500**	**D**	950	47	23	mg/Kg	☼	10/24/15 18:19	10
Selenium	**0.56**	**J D**	4.7	0.28	0.19	mg/Kg	☼	10/24/15 18:19	10
Silver	**0.15**	**J D**	0.95	0.24	0.0066	mg/Kg	☼	10/24/15 18:19	10
Sodium	**170**	**J D**	950	190	41	mg/Kg	☼	10/24/15 18:19	10
Thallium	0.71	U	1.9	0.71	0.090	mg/Kg	☼	10/24/15 18:19	10
V	**94**	**D**	4.7	0.47	0.18	mg/Kg	☼	10/24/15 18:19	10
Zinc	**280**	**D**	38	9.5	2.4	mg/Kg	☼	10/24/15 18:19	10

Client Sample ID: AOPSM201

Lab Sample ID: 680-117942-44
Date Collected: 10/12/15 13:58
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 86.5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.053**	**J**	0.12	0.039	0.017	mg/Kg	☼	10/23/15 17:33	1

Client Sample ID: AOPSL201

Lab Sample ID: 680-117942-45
Date Collected: 10/12/15 14:25
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Acenaphthylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Benzo[a]anthracene	**0.092**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Benzo[a]pyrene	**0.095**		0.039	0.019	0.0070	mg/Kg	☼	10/28/15 17:22	1
Benzo[b]fluoranthene	**0.12**	**M**	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Benzo[g,h,i]perylene	**0.057**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Benzo[k]fluoranthene	**0.062**	**M**	0.039	0.019	0.012	mg/Kg	☼	10/28/15 17:22	1
Chrysene	**0.10**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Fluoranthene	**0.20**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Fluorene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Indeno[1,2,3-cd]pyrene	**0.066**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Naphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
Phenanthrene	**0.11**		0.039	0.019	0.014	mg/Kg	☼	10/28/15 17:22	1
Pyrene	**0.16**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1
1-Methylnaphthalene	0.019	U	0.039	0.019	0.018	mg/Kg	☼	10/28/15 17:22	1
2-Methylnaphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*36 - 131*	*10/24/15 09:57*	*10/28/15 17:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/01/15 20:32	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	11/01/15 20:32	1
Benzaldehyde	0.94	U Q	1.8	0.94	0.32	mg/Kg	☼	11/01/15 20:32	1
1,1'-Biphenyl	9.4	U	9.4	9.4	9.4	mg/Kg	☼	11/01/15 20:32	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 20:32	1
Bis(2-chloroethyl)ether	0.94	U	1.8	0.94	0.25	mg/Kg	☼	11/01/15 20:32	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:32	1
Bis(2-ethylhexyl) phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:32	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/01/15 20:32	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/01/15 20:32	1
Caprolactam	0.94	U	1.8	0.94	0.36	mg/Kg	☼	11/01/15 20:32	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:32	1
4-Chloroaniline	0.94	U	3.6	0.94	0.29	mg/Kg	☼	11/01/15 20:32	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:32	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:32	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 20:32	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/01/15 20:32	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 20:32	1

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.37	U	3.6	0.37	0.15	mg/Kg	☼	11/01/15 20:32	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:32	1
Diethyl phthalate	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/01/15 20:32	1
2,4-Dimethylphenol	0.94	U	1.8	0.94	0.24	mg/Kg	☼	11/01/15 20:32	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:32	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:32	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.4	1.8	0.94	mg/Kg	☼	11/01/15 20:32	1
2,4-Dinitrophenol	7.2	U	9.4	7.2	4.6	mg/Kg	☼	11/01/15 20:32	1
2,4-Dinitrotoluene	0.94	U	1.8	0.94	0.27	mg/Kg	☼	11/01/15 20:32	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/01/15 20:32	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:32	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.66	mg/Kg	☼	11/01/15 20:32	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/01/15 20:32	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/01/15 20:32	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	11/01/15 20:32	1
Hexachloroethane	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/01/15 20:32	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 20:32	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/01/15 20:32	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/01/15 20:32	1
2-Nitroaniline	0.37	U	9.4	0.37	0.25	mg/Kg	☼	11/01/15 20:32	1
3-Nitroaniline	0.94	U	9.4	0.94	0.25	mg/Kg	☼	11/01/15 20:32	1
4-Nitroaniline	0.94	U	9.4	0.94	0.27	mg/Kg	☼	11/01/15 20:32	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/01/15 20:32	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/01/15 20:32	1
4-Nitrophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	11/01/15 20:32	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/01/15 20:32	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	11/01/15 20:32	1
Pentachlorophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	11/01/15 20:32	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:32	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/01/15 20:32	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	11/01/15 20:32	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/01/15 20:32	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/01/15 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*58 - 130*	*10/24/15 08:26*	*11/01/15 20:32*	*1*
2-Fluorophenol (Surr)	*60*		*40 - 130*	*10/24/15 08:26*	*11/01/15 20:32*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/24/15 08:26*	*11/01/15 20:32*	*1*
Phenol-d5 (Surr)	*60*		*49 - 130*	*10/24/15 08:26*	*11/01/15 20:32*	*1*
Terphenyl-d14 (Surr)	*69*		*60 - 130*	*10/24/15 08:26*	*11/01/15 20:32*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*	*10/24/15 08:26*	*11/01/15 20:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 19:42	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 19:42	1
Benzaldehyde	0.98	U H	1.9	0.98	0.33	mg/Kg	☼	11/04/15 19:42	1
1,1'-Biphenyl	9.8	U H	9.8	9.8	9.8	mg/Kg	☼	11/04/15 19:42	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/04/15 19:42	1
Bis(2-chloroethyl)ether	0.98	U H	1.9	0.98	0.26	mg/Kg	☼	11/04/15 19:42	1

Client Sample ID: AOPSL201
Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45
Matrix: Solid
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:42	1
Bis(2-ethylhexyl) phthalate	**0.34**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:42	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 19:42	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 19:42	1
Caprolactam	0.98	U H	1.9	0.98	0.38	mg/Kg	☼	11/04/15 19:42	1
Carbazole	**0.18**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:42	1
4-Chloroaniline	0.98	U H	3.8	0.98	0.30	mg/Kg	☼	11/04/15 19:42	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:42	1
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:42	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 19:42	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/04/15 19:42	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 19:42	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	11/04/15 19:42	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:42	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 19:42	1
2,4-Dimethylphenol	0.98	U H	1.9	0.98	0.25	mg/Kg	☼	11/04/15 19:42	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:42	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:42	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.8	1.9	0.98	mg/Kg	☼	11/04/15 19:42	1
2,4-Dinitrophenol	7.5	U H	9.8	7.5	4.8	mg/Kg	☼	11/04/15 19:42	1
2,4-Dinitrotoluene	0.98	U H	1.9	0.98	0.28	mg/Kg	☼	11/04/15 19:42	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 19:42	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:42	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.69	mg/Kg	☼	11/04/15 19:42	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/04/15 19:42	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 19:42	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 19:42	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 19:42	1
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 19:42	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 19:42	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/04/15 19:42	1
2-Nitroaniline	0.39	U H	9.8	0.39	0.26	mg/Kg	☼	11/04/15 19:42	1
3-Nitroaniline	0.98	U H	9.8	0.98	0.26	mg/Kg	☼	11/04/15 19:42	1
4-Nitroaniline	0.98	U H	9.8	0.98	0.28	mg/Kg	☼	11/04/15 19:42	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 19:42	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 19:42	1
4-Nitrophenol	3.9	U H	9.8	3.9	1.9	mg/Kg	☼	11/04/15 19:42	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 19:42	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/04/15 19:42	1
Pentachlorophenol	3.9	U H	9.8	3.9	1.9	mg/Kg	☼	11/04/15 19:42	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:42	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 19:42	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 19:42	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 19:42	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*11/03/15 16:47*	*11/04/15 19:42*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*11/03/15 16:47*	*11/04/15 19:42*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 130*	*11/03/15 16:47*	*11/04/15 19:42*	*1*

Client Sample ID: AOPSL201

Lab Sample ID: 680-117942-45
Date Collected: 10/12/15 14:25
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	62		49 - 130	11/03/15 16:47	11/04/15 19:42	1
Terphenyl-d14 (Surr)	68		60 - 130	11/03/15 16:47	11/04/15 19:42	1
2,4,6-Tribromophenol (Surr)	68		58 - 130	11/03/15 16:47	11/04/15 19:42	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**22000**	**D**	97	19	3.0	mg/Kg	☼	10/27/15 13:04	10
Antimony	**0.31**	**J D**	1.9	0.72	0.068	mg/Kg	☼	10/27/15 13:04	10
Arsenic	**1.8**	**J D**	4.8	0.72	0.13	mg/Kg	☼	10/27/15 13:04	10
Barium	**40**	**D**	4.8	1.4	1.1	mg/Kg	☼	10/27/15 13:04	10
Beryllium	**0.31**	**J D**	0.97	0.48	0.053	mg/Kg	☼	10/27/15 13:04	10
Cadmium	**0.20**	**J D**	1.9	0.048	0.018	mg/Kg	☼	10/27/15 13:04	10
Calcium	**24000**	**D**	1900	480	110	mg/Kg	☼	10/27/15 13:04	10
Chromium	**270**	**D**	4.8	2.2	0.29	mg/Kg	☼	10/27/15 13:04	10
Cobalt	**36**	**D**	0.97	0.072	0.0082	mg/Kg	☼	10/27/15 13:04	10
Copper	**37**	**D**	3.9	1.4	0.47	mg/Kg	☼	10/27/15 13:04	10
Iron	**38000**	**D**	480	140	15	mg/Kg	☼	10/27/15 13:04	10
Lead	**21**	**D**	2.9	0.97	0.22	mg/Kg	☼	10/27/15 13:04	10
Magnesium	**59000**	**D**	1900	240	39	mg/Kg	☼	10/27/15 16:23	20
Manganese	**640**	**D**	4.8	1.9	0.58	mg/Kg	☼	10/27/15 13:04	10
Nickel	**640**	**D**	4.8	1.2	0.19	mg/Kg	☼	10/27/15 13:04	10
Potassium	**2000**	**D**	970	48	24	mg/Kg	☼	10/27/15 13:04	10
Selenium	**0.75**	**J D**	4.8	0.29	0.19	mg/Kg	☼	10/27/15 13:04	10
Silver	**0.093**	**J D**	0.97	0.24	0.0068	mg/Kg	☼	10/27/15 13:04	10
Sodium	**180**	**J D**	970	190	42	mg/Kg	☼	10/27/15 13:04	10
Thallium	0.72	U	1.9	0.72	0.092	mg/Kg	☼	10/27/15 13:04	10
V	**89**	**D**	4.8	0.48	0.18	mg/Kg	☼	10/27/15 13:04	10
Zinc	**60**	**D**	39	9.7	2.4	mg/Kg	☼	10/27/15 13:04	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.029**	**J**	0.12	0.041	0.017	mg/Kg	☼	10/22/15 10:08	1

Client Sample ID: AOPSN301

Lab Sample ID: 680-117942-46
Date Collected: 10/12/15 13:55
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 88.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Acenaphthylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Anthracene	**0.027**	**J**	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Benzo[a]anthracene	**0.12**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Benzo[a]pyrene	**0.10**		0.039	0.019	0.0069	mg/Kg	☼	10/28/15 16:32	1
Benzo[b]fluoranthene	**0.15**	**M**	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Benzo[g,h,i]perylene	**0.060**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Benzo[k]fluoranthene	**0.051**	**M**	0.039	0.019	0.012	mg/Kg	☼	10/28/15 16:32	1
Chrysene	**0.12**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Fluoranthene	**0.25**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Fluorene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSN301
Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46
Matrix: Solid
Percent Solids: 88.3

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.071**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Dibenz(a,h)anthracene	**0.019**	**J**	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Naphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
Phenanthrene	**0.15**		0.039	0.019	0.014	mg/Kg	☼	10/28/15 16:32	1
Pyrene	**0.17**		0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1
1-Methylnaphthalene	0.019	U	0.039	0.019	0.018	mg/Kg	☼	10/28/15 16:32	1
2-Methylnaphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/28/15 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*44*		*36 - 131*	*10/24/15 09:57*	*10/28/15 16:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 20:56	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	11/01/15 20:56	1
Benzaldehyde	0.91	U Q	1.8	0.91	0.31	mg/Kg	☼	11/01/15 20:56	1
1,1'-Biphenyl	9.1	U	9.1	9.1	9.1	mg/Kg	☼	11/01/15 20:56	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 20:56	1
Bis(2-chloroethyl)ether	0.91	U	1.8	0.91	0.24	mg/Kg	☼	11/01/15 20:56	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 20:56	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 20:56	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 20:56	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 20:56	1
Caprolactam	0.91	U	1.8	0.91	0.35	mg/Kg	☼	11/01/15 20:56	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 20:56	1
4-Chloroaniline	0.91	U	3.5	0.91	0.28	mg/Kg	☼	11/01/15 20:56	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 20:56	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 20:56	1
2-Chlorophenol	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 20:56	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.23	mg/Kg	☼	11/01/15 20:56	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 20:56	1
3,3'-Dichlorobenzidine	0.36	U	3.5	0.36	0.15	mg/Kg	☼	11/01/15 20:56	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 20:56	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	11/01/15 20:56	1
2,4-Dimethylphenol	0.91	U	1.8	0.91	0.23	mg/Kg	☼	11/01/15 20:56	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 20:56	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 20:56	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.1	1.8	0.91	mg/Kg	☼	11/01/15 20:56	1
2,4-Dinitrophenol	6.9	U	9.1	6.9	4.4	mg/Kg	☼	11/01/15 20:56	1
2,4-Dinitrotoluene	0.91	U	1.8	0.91	0.26	mg/Kg	☼	11/01/15 20:56	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.22	mg/Kg	☼	11/01/15 20:56	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 20:56	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.64	mg/Kg	☼	11/01/15 20:56	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 20:56	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 20:56	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	11/01/15 20:56	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 20:56	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 20:56	1
2-Methylphenol	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 20:56	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	11/01/15 20:56	1

Client Sample ID: AOPSN301

Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46

Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Nitroaniline	0.36	U	9.1	0.36	0.24	mg/Kg	☼	11/01/15 20:56	1
3-Nitroaniline	0.91	U	9.1	0.91	0.25	mg/Kg	☼	11/01/15 20:56	1
4-Nitroaniline	0.91	U	9.1	0.91	0.26	mg/Kg	☼	11/01/15 20:56	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 20:56	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	11/01/15 20:56	1
4-Nitrophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	11/01/15 20:56	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	11/01/15 20:56	1
N-Nitrosodiphenylamine	0.44	U	1.8	0.44	0.18	mg/Kg	☼	11/01/15 20:56	1
Pentachlorophenol	3.6	U	9.1	3.6	1.8	mg/Kg	☼	11/01/15 20:56	1
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 20:56	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	11/01/15 20:56	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	11/01/15 20:56	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 20:56	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 20:56*	*1*
2-Fluorophenol (Surr)	*49*		*40 - 130*	*10/24/15 08:26*	*11/01/15 20:56*	*1*
Nitrobenzene-d5 (Surr)	*52*		*46 - 130*	*10/24/15 08:26*	*11/01/15 20:56*	*1*
Phenol-d5 (Surr)	*52*		*49 - 130*	*10/24/15 08:26*	*11/01/15 20:56*	*1*
Terphenyl-d14 (Surr)	*55*	*Q*	*60 - 130*	*10/24/15 08:26*	*11/01/15 20:56*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*58 - 130*	*10/24/15 08:26*	*11/01/15 20:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 20:07	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 20:07	1
Benzaldehyde	0.99	U H	1.9	0.99	0.34	mg/Kg	☼	11/04/15 20:07	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	11/04/15 20:07	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 20:07	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 20:07	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:07	1
Bis(2-ethylhexyl) phthalate	**0.29**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:07	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 20:07	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 20:07	1
Caprolactam	0.99	U H	1.9	0.99	0.38	mg/Kg	☼	11/04/15 20:07	1
Carbazole	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:07	1
4-Chloroaniline	0.99	U H	3.8	0.99	0.30	mg/Kg	☼	11/04/15 20:07	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:07	1
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:07	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 20:07	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	11/04/15 20:07	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 20:07	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	11/04/15 20:07	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:07	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 20:07	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 20:07	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:07	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:07	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	11/04/15 20:07	1

Client Sample ID: AOPSN301

Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46

Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrophenol	7.6	U H	9.9	7.6	4.8	mg/Kg	☼	11/04/15 20:07	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.28	mg/Kg	☼	11/04/15 20:07	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 20:07	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:07	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.70	mg/Kg	☼	11/04/15 20:07	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 20:07	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 20:07	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 20:07	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 20:07	1
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 20:07	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 20:07	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/04/15 20:07	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	11/04/15 20:07	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	11/04/15 20:07	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.28	mg/Kg	☼	11/04/15 20:07	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 20:07	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 20:07	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 20:07	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 20:07	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/04/15 20:07	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 20:07	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:07	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 20:07	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 20:07	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:07	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*11/03/15 16:47*	*11/04/15 20:07*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*11/03/15 16:47*	*11/04/15 20:07*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*11/03/15 16:47*	*11/04/15 20:07*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*11/03/15 16:47*	*11/04/15 20:07*	*1*
Terphenyl-d14 (Surr)	*73*		*60 - 130*	*11/03/15 16:47*	*11/04/15 20:07*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*58 - 130*	*11/03/15 16:47*	*11/04/15 20:07*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9800**	**D**	110	21	3.3	mg/Kg	☼	10/27/15 13:15	10
Antimony	**1.0**	**J D**	2.1	0.79	0.074	mg/Kg	☼	10/27/15 13:15	10
Arsenic	**1.3**	**J D**	5.3	0.79	0.14	mg/Kg	☼	10/27/15 13:15	10
Barium	**9.3**	**D**	5.3	1.6	1.2	mg/Kg	☼	10/27/15 13:15	10
Beryllium	**0.14**	**J D**	1.1	0.53	0.058	mg/Kg	☼	10/27/15 13:15	10
Cadmium	**0.15**	**J D**	2.1	0.053	0.020	mg/Kg	☼	10/27/15 13:15	10
Calcium	**75000**	**D**	11000	2600	580	mg/Kg	☼	10/27/15 16:34	50
Chromium	**340**	**D**	5.3	2.4	0.32	mg/Kg	☼	10/27/15 13:15	10
Cobalt	**41**	**D**	1.1	0.079	0.0090	mg/Kg	☼	10/27/15 13:15	10
Copper	**27**	**D**	4.2	1.6	0.51	mg/Kg	☼	10/27/15 13:15	10
Iron	**29000**	**D**	530	160	17	mg/Kg	☼	10/27/15 13:15	10
Lead	**200**	**D**	3.2	1.1	0.24	mg/Kg	☼	10/27/15 13:15	10
Magnesium	**100000**	**D**	5300	660	110	mg/Kg	☼	10/27/15 16:34	50

Client Sample ID: AOPSN301

Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46

Matrix: Solid
Percent Solids: 88.3

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Manganese	450	D	5.3	2.1	0.64	mg/Kg	☼	10/27/15 13:15	10
Nickel	930	D	5.3	1.3	0.21	mg/Kg	☼	10/27/15 13:15	10
Potassium	530	J D	1100	53	26	mg/Kg	☼	10/27/15 13:15	10
Selenium	0.28	J D	5.3	0.32	0.21	mg/Kg	☼	10/27/15 13:15	10
Silver	0.030	J D	1.1	0.26	0.0074	mg/Kg	☼	10/27/15 13:15	10
Sodium	110	J D	1100	210	46	mg/Kg	☼	10/27/15 13:15	10
Thallium	0.79	U	2.1	0.79	0.10	mg/Kg	☼	10/27/15 13:15	10
V	46	D	5.3	0.53	0.20	mg/Kg	☼	10/27/15 13:15	10
Zinc	100	D	42	11	2.6	mg/Kg	☼	10/27/15 13:15	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.024	J	0.12	0.038	0.016	mg/Kg	☼	10/22/15 10:10	1

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Acenaphthylene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Benzo[a]anthracene	0.040	J	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Benzo[a]pyrene	0.043		0.041	0.020	0.0073	mg/Kg	☼	10/28/15 18:12	1
Benzo[b]fluoranthene	0.070		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Benzo[g,h,i]perylene	0.030	J	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Benzo[k]fluoranthene	0.023	J M	0.041	0.020	0.012	mg/Kg	☼	10/28/15 18:12	1
Chrysene	0.055		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Fluoranthene	0.081		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Fluorene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Indeno[1,2,3-cd]pyrene	0.029	J	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Dibenz(a,h)anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Naphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
Phenanthrene	0.038	J	0.041	0.020	0.015	mg/Kg	☼	10/28/15 18:12	1
Pyrene	0.069		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1
1-Methylnaphthalene	0.020	U	0.041	0.020	0.019	mg/Kg	☼	10/28/15 18:12	1
2-Methylnaphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*36 - 131*	*10/24/15 09:57*	*10/28/15 18:12*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U	1.9	0.39	0.16	mg/Kg	☼	11/01/15 21:21	1
Atrazine	0.39	U	1.9	0.39	0.13	mg/Kg	☼	11/01/15 21:21	1
Benzaldehyde	0.99	U Q	1.9	0.99	0.34	mg/Kg	☼	11/01/15 21:21	1
1,1'-Biphenyl	9.9	U	9.9	9.9	9.9	mg/Kg	☼	11/01/15 21:21	1
Bis(2-chloroethoxy)methane	0.39	U	1.9	0.39	0.23	mg/Kg	☼	11/01/15 21:21	1
Bis(2-chloroethyl)ether	0.99	U	1.9	0.99	0.26	mg/Kg	☼	11/01/15 21:21	1

Client Sample ID: AOPSM401
Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47
Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/01/15 21:21	1
Bis(2-ethylhexyl) phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/01/15 21:21	1
4-Bromophenyl phenyl ether	0.39	U	1.9	0.39	0.21	mg/Kg	☼	11/01/15 21:21	1
Butyl benzyl phthalate	0.39	U	1.9	0.39	0.15	mg/Kg	☼	11/01/15 21:21	1
Caprolactam	0.99	U	1.9	0.99	0.38	mg/Kg	☼	11/01/15 21:21	1
Carbazole	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/01/15 21:21	1
4-Chloroaniline	0.99	U	3.8	0.99	0.30	mg/Kg	☼	11/01/15 21:21	1
4-Chloro-3-methylphenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/01/15 21:21	1
2-Chloronaphthalene	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/01/15 21:21	1
2-Chlorophenol	0.39	U	1.9	0.39	0.23	mg/Kg	☼	11/01/15 21:21	1
4-Chlorophenyl phenyl ether	0.39	U	1.9	0.39	0.26	mg/Kg	☼	11/01/15 21:21	1
Dibenzofuran	0.39	U	1.9	0.39	0.19	mg/Kg	☼	11/01/15 21:21	1
3,3'-Dichlorobenzidine	0.39	U	3.8	0.39	0.16	mg/Kg	☼	11/01/15 21:21	1
2,4-Dichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/01/15 21:21	1
Diethyl phthalate	0.39	U	1.9	0.39	0.22	mg/Kg	☼	11/01/15 21:21	1
2,4-Dimethylphenol	0.99	U	1.9	0.99	0.26	mg/Kg	☼	11/01/15 21:21	1
Dimethyl phthalate	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/01/15 21:21	1
Di-n-butyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/01/15 21:21	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.9	1.9	0.99	mg/Kg	☼	11/01/15 21:21	1
2,4-Dinitrophenol	7.6	U	9.9	7.6	4.8	mg/Kg	☼	11/01/15 21:21	1
2,4-Dinitrotoluene	0.99	U	1.9	0.99	0.28	mg/Kg	☼	11/01/15 21:21	1
2,6-Dinitrotoluene	0.39	U	1.9	0.39	0.24	mg/Kg	☼	11/01/15 21:21	1
Di-n-octyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/01/15 21:21	1
1,4-Dioxane	1.9	U Q	1.9	1.9	0.70	mg/Kg	☼	11/01/15 21:21	1
Hexachlorobenzene	0.39	U	1.9	0.39	0.23	mg/Kg	☼	11/01/15 21:21	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	11/01/15 21:21	1
Hexachlorocyclopentadiene	0.39	U Q	1.9	0.39	0.24	mg/Kg	☼	11/01/15 21:21	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	11/01/15 21:21	1
Isophorone	0.39	U	1.9	0.39	0.19	mg/Kg	☼	11/01/15 21:21	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	11/01/15 21:21	1
3 & 4 Methylphenol	0.39	U	1.9	0.39	0.25	mg/Kg	☼	11/01/15 21:21	1
2-Nitroaniline	0.39	U	9.9	0.39	0.26	mg/Kg	☼	11/01/15 21:21	1
3-Nitroaniline	0.99	U	9.9	0.99	0.27	mg/Kg	☼	11/01/15 21:21	1
4-Nitroaniline	0.99	U	9.9	0.99	0.28	mg/Kg	☼	11/01/15 21:21	1
Nitrobenzene	0.39	U	1.9	0.39	0.15	mg/Kg	☼	11/01/15 21:21	1
2-Nitrophenol	0.39	U	1.9	0.39	0.24	mg/Kg	☼	11/01/15 21:21	1
4-Nitrophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	11/01/15 21:21	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	11/01/15 21:21	1
N-Nitrosodiphenylamine	0.48	U	1.9	0.48	0.19	mg/Kg	☼	11/01/15 21:21	1
Pentachlorophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	11/01/15 21:21	1
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/01/15 21:21	1
1,2,4,5-Tetrachlorobenzene	0.39	U	1.9	0.39	0.18	mg/Kg	☼	11/01/15 21:21	1
2,3,4,6-Tetrachlorophenol	0.39	U	1.9	0.39	0.13	mg/Kg	☼	11/01/15 21:21	1
2,4,5-Trichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/01/15 21:21	1
2,4,6-Trichlorophenol	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/01/15 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*58 - 130*	*10/24/15 08:26*	*11/01/15 21:21*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*10/24/15 08:26*	*11/01/15 21:21*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 130*	*10/24/15 08:26*	*11/01/15 21:21*	*1*

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	62		49 - 130	10/24/15 08:26	11/01/15 21:21	1
Terphenyl-d14 (Surr)	68		60 - 130	10/24/15 08:26	11/01/15 21:21	1
2,4,6-Tribromophenol (Surr)	71		58 - 130	10/24/15 08:26	11/01/15 21:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 20:31	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 20:31	1
Benzaldehyde	0.99	U H	1.9	0.99	0.34	mg/Kg	☼	11/04/15 20:31	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	11/04/15 20:31	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 20:31	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 20:31	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:31	1
Bis(2-ethylhexyl) phthalate	**0.38**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:31	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 20:31	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 20:31	1
Caprolactam	0.99	U H	1.9	0.99	0.38	mg/Kg	☼	11/04/15 20:31	1
Carbazole	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:31	1
4-Chloroaniline	0.99	U H	3.8	0.99	0.30	mg/Kg	☼	11/04/15 20:31	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:31	1
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:31	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 20:31	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	11/04/15 20:31	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 20:31	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	11/04/15 20:31	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:31	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 20:31	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/04/15 20:31	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:31	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:31	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	11/04/15 20:31	1
2,4-Dinitrophenol	7.5	U H	9.9	7.5	4.8	mg/Kg	☼	11/04/15 20:31	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.28	mg/Kg	☼	11/04/15 20:31	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 20:31	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:31	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.70	mg/Kg	☼	11/04/15 20:31	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/04/15 20:31	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/04/15 20:31	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 20:31	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 20:31	1
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 20:31	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/04/15 20:31	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/04/15 20:31	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	11/04/15 20:31	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	11/04/15 20:31	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.28	mg/Kg	☼	11/04/15 20:31	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/04/15 20:31	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/04/15 20:31	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 20:31	1

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/04/15 20:31	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/04/15 20:31	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/04/15 20:31	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:31	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/04/15 20:31	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/04/15 20:31	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/04/15 20:31	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/04/15 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*58 - 130*	*11/03/15 16:47*	*11/04/15 20:31*	*1*
2-Fluorophenol (Surr)	*57*		*40 - 130*	*11/03/15 16:47*	*11/04/15 20:31*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*	*11/03/15 16:47*	*11/04/15 20:31*	*1*
Phenol-d5 (Surr)	*61*		*49 - 130*	*11/03/15 16:47*	*11/04/15 20:31*	*1*
Terphenyl-d14 (Surr)	*68*		*60 - 130*	*11/03/15 16:47*	*11/04/15 20:31*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*11/03/15 16:47*	*11/04/15 20:31*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**19000**	**D**	110	23	3.5	mg/Kg	☼	10/27/15 13:19	10
Antimony	**0.26**	**J D**	2.3	0.85	0.079	mg/Kg	☼	10/27/15 13:19	10
Arsenic	**1.8**	**J D**	5.7	0.85	0.15	mg/Kg	☼	10/27/15 13:19	10
Barium	**47**	**D**	5.7	1.7	1.2	mg/Kg	☼	10/27/15 13:19	10
Beryllium	**0.23**	**J D**	1.1	0.57	0.062	mg/Kg	☼	10/27/15 13:19	10
Cadmium	**0.44**	**J D**	2.3	0.057	0.021	mg/Kg	☼	10/27/15 13:19	10
Calcium	**22000**	**D**	2300	570	120	mg/Kg	☼	10/27/15 13:19	10
Chromium	**470**	**D**	5.7	2.5	0.34	mg/Kg	☼	10/27/15 13:19	10
Cobalt	**54**	**D**	1.1	0.085	0.0096	mg/Kg	☼	10/27/15 13:19	10
Copper	**40**	**D**	4.5	1.7	0.55	mg/Kg	☼	10/27/15 13:19	10
Iron	**43000**	**D**	570	170	18	mg/Kg	☼	10/27/15 13:19	10
Lead	**130**	**D**	3.4	1.1	0.25	mg/Kg	☼	10/27/15 13:19	10
Magnesium	**77000**	**D**	2300	280	45	mg/Kg	☼	10/27/15 16:38	20
Manganese	**700**	**D**	5.7	2.3	0.68	mg/Kg	☼	10/27/15 13:19	10
Nickel	**1100**	**D**	5.7	1.4	0.22	mg/Kg	☼	10/27/15 13:19	10
Potassium	**1500**	**D**	1100	57	28	mg/Kg	☼	10/27/15 13:19	10
Selenium	**0.58**	**J D**	5.7	0.34	0.23	mg/Kg	☼	10/27/15 13:19	10
Silver	**0.040**	**J D**	1.1	0.28	0.0079	mg/Kg	☼	10/27/15 13:19	10
Sodium	**100**	**J D**	1100	230	49	mg/Kg	☼	10/27/15 13:19	10
Thallium	0.85	U	2.3	0.85	0.11	mg/Kg	☼	10/27/15 13:19	10
V	**74**	**D**	5.7	0.57	0.21	mg/Kg	☼	10/27/15 13:19	10
Zinc	**140**	**D**	45	11	2.8	mg/Kg	☼	10/27/15 13:19	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.035**	**J**	0.12	0.038	0.016	mg/Kg	☼	10/22/15 10:11	1

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Acenaphthylene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Benzo[a]anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Benzo[a]pyrene	**0.067**	**J D**	0.22	0.11	0.039	mg/Kg	☼	10/28/15 20:15	5
Benzo[b]fluoranthene	**0.14**	**J D**	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Benzo[g,h,i]perylene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Benzo[k]fluoranthene	0.11	U	0.22	0.11	0.065	mg/Kg	☼	10/28/15 20:15	5
Chrysene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Fluoranthene	**0.14**	**J D**	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Fluorene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Indeno[1,2,3-cd]pyrene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Dibenz(a,h)anthracene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Naphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
Phenanthrene	0.11	U	0.22	0.11	0.078	mg/Kg	☼	10/28/15 20:15	5
Pyrene	**0.12**	**J D**	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5
1-Methylnaphthalene	0.11	U	0.22	0.11	0.10	mg/Kg	☼	10/28/15 20:15	5
2-Methylnaphthalene	0.22	U	0.22	0.22	0.11	mg/Kg	☼	10/28/15 20:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*44*		*36 - 131*	*10/24/15 09:57*	*10/28/15 20:15*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.45	U	2.2	0.45	0.19	mg/Kg	☼	11/01/15 21:45	1
Atrazine	0.45	U	2.2	0.45	0.15	mg/Kg	☼	11/01/15 21:45	1
Benzaldehyde	1.1	U Q	2.2	1.1	0.39	mg/Kg	☼	11/01/15 21:45	1
1,1'-Biphenyl	11	U	11	11	11	mg/Kg	☼	11/01/15 21:45	1
Bis(2-chloroethoxy)methane	0.45	U	2.2	0.45	0.26	mg/Kg	☼	11/01/15 21:45	1
Bis(2-chloroethyl)ether	1.1	U	2.2	1.1	0.30	mg/Kg	☼	11/01/15 21:45	1
bis (2-chloroisopropyl) ether	0.45	U	2.2	0.45	0.20	mg/Kg	☼	11/01/15 21:45	1
Bis(2-ethylhexyl) phthalate	0.45	U	2.2	0.45	0.19	mg/Kg	☼	11/01/15 21:45	1
4-Bromophenyl phenyl ether	0.45	U	2.2	0.45	0.24	mg/Kg	☼	11/01/15 21:45	1
Butyl benzyl phthalate	0.45	U	2.2	0.45	0.17	mg/Kg	☼	11/01/15 21:45	1
Caprolactam	1.1	U	2.2	1.1	0.44	mg/Kg	☼	11/01/15 21:45	1
Carbazole	0.45	U	2.2	0.45	0.20	mg/Kg	☼	11/01/15 21:45	1
4-Chloroaniline	1.1	U	4.4	1.1	0.35	mg/Kg	☼	11/01/15 21:45	1
4-Chloro-3-methylphenol	0.45	U	2.2	0.45	0.23	mg/Kg	☼	11/01/15 21:45	1
2-Chloronaphthalene	0.45	U	2.2	0.45	0.23	mg/Kg	☼	11/01/15 21:45	1
2-Chlorophenol	0.45	U	2.2	0.45	0.27	mg/Kg	☼	11/01/15 21:45	1
4-Chlorophenyl phenyl ether	0.45	U	2.2	0.45	0.29	mg/Kg	☼	11/01/15 21:45	1
Dibenzofuran	0.45	U	2.2	0.45	0.22	mg/Kg	☼	11/01/15 21:45	1
3,3'-Dichlorobenzidine	0.45	U	4.4	0.45	0.19	mg/Kg	☼	11/01/15 21:45	1
2,4-Dichlorophenol	0.45	U	2.2	0.45	0.23	mg/Kg	☼	11/01/15 21:45	1
Diethyl phthalate	0.45	U	2.2	0.45	0.25	mg/Kg	☼	11/01/15 21:45	1
2,4-Dimethylphenol	1.1	U	2.2	1.1	0.29	mg/Kg	☼	11/01/15 21:45	1
Dimethyl phthalate	0.45	U	2.2	0.45	0.23	mg/Kg	☼	11/01/15 21:45	1
Di-n-butyl phthalate	0.45	U	2.2	0.45	0.20	mg/Kg	☼	11/01/15 21:45	1
2-Methyl-4,6-dinitrophenol	2.2	U	11	2.2	1.1	mg/Kg	☼	11/01/15 21:45	1
2,4-Dinitrophenol	8.6	U	11	8.6	5.5	mg/Kg	☼	11/01/15 21:45	1

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.1	U	2.2	1.1	0.33	mg/Kg	☼	11/01/15 21:45	1
2,6-Dinitrotoluene	0.45	U	2.2	0.45	0.28	mg/Kg	☼	11/01/15 21:45	1
Di-n-octyl phthalate	0.45	U	2.2	0.45	0.19	mg/Kg	☼	11/01/15 21:45	1
1,4-Dioxane	2.2	U Q	2.2	2.2	0.80	mg/Kg	☼	11/01/15 21:45	1
Hexachlorobenzene	0.45	U	2.2	0.45	0.26	mg/Kg	☼	11/01/15 21:45	1
Hexachlorobutadiene	0.45	U	2.2	0.45	0.24	mg/Kg	☼	11/01/15 21:45	1
Hexachlorocyclopentadiene	0.45	U Q	2.2	0.45	0.27	mg/Kg	☼	11/01/15 21:45	1
Hexachloroethane	0.45	U	2.2	0.45	0.19	mg/Kg	☼	11/01/15 21:45	1
Isophorone	0.45	U	2.2	0.45	0.22	mg/Kg	☼	11/01/15 21:45	1
2-Methylphenol	0.45	U	2.2	0.45	0.18	mg/Kg	☼	11/01/15 21:45	1
3 & 4 Methylphenol	0.45	U	2.2	0.45	0.29	mg/Kg	☼	11/01/15 21:45	1
2-Nitroaniline	0.45	U	11	0.45	0.30	mg/Kg	☼	11/01/15 21:45	1
3-Nitroaniline	1.1	U	11	1.1	0.31	mg/Kg	☼	11/01/15 21:45	1
4-Nitroaniline	1.1	U	11	1.1	0.33	mg/Kg	☼	11/01/15 21:45	1
Nitrobenzene	0.45	U	2.2	0.45	0.17	mg/Kg	☼	11/01/15 21:45	1
2-Nitrophenol	0.45	U	2.2	0.45	0.27	mg/Kg	☼	11/01/15 21:45	1
4-Nitrophenol	4.5	U	11	4.5	2.2	mg/Kg	☼	11/01/15 21:45	1
N-Nitrosodi-n-propylamine	0.45	U	2.2	0.45	0.21	mg/Kg	☼	11/01/15 21:45	1
N-Nitrosodiphenylamine	0.55	U	2.2	0.55	0.22	mg/Kg	☼	11/01/15 21:45	1
Pentachlorophenol	4.5	U	11	4.5	2.2	mg/Kg	☼	11/01/15 21:45	1
Phenol	0.45	U	2.2	0.45	0.23	mg/Kg	☼	11/01/15 21:45	1
1,2,4,5-Tetrachlorobenzene	0.45	U	2.2	0.45	0.21	mg/Kg	☼	11/01/15 21:45	1
2,3,4,6-Tetrachlorophenol	0.45	U	2.2	0.45	0.15	mg/Kg	☼	11/01/15 21:45	1
2,4,5-Trichlorophenol	0.45	U	2.2	0.45	0.23	mg/Kg	☼	11/01/15 21:45	1
2,4,6-Trichlorophenol	0.45	U	2.2	0.45	0.19	mg/Kg	☼	11/01/15 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*58 - 130*	*10/24/15 08:26*	*11/01/15 21:45*	*1*
2-Fluorophenol (Surr)	*49*		*40 - 130*	*10/24/15 08:26*	*11/01/15 21:45*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 130*	*10/24/15 08:26*	*11/01/15 21:45*	*1*
Phenol-d5 (Surr)	*53*		*49 - 130*	*10/24/15 08:26*	*11/01/15 21:45*	*1*
Terphenyl-d14 (Surr)	*63*		*60 - 130*	*10/24/15 08:26*	*11/01/15 21:45*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*58 - 130*	*10/24/15 08:26*	*11/01/15 21:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.47	U H	2.3	0.47	0.20	mg/Kg	☼	11/04/15 20:56	1
Atrazine	0.47	U H	2.3	0.47	0.16	mg/Kg	☼	11/04/15 20:56	1
Benzaldehyde	1.2	U H	2.3	1.2	0.41	mg/Kg	☼	11/04/15 20:56	1
1,1'-Biphenyl	12	U H	12	12	12	mg/Kg	☼	11/04/15 20:56	1
Bis(2-chloroethoxy)methane	0.47	U H	2.3	0.47	0.28	mg/Kg	☼	11/04/15 20:56	1
Bis(2-chloroethyl)ether	1.2	U H	2.3	1.2	0.32	mg/Kg	☼	11/04/15 20:56	1
bis (2-chloroisopropyl) ether	0.47	U H	2.3	0.47	0.21	mg/Kg	☼	11/04/15 20:56	1
Bis(2-ethylhexyl) phthalate	**0.36**	**J H**	2.3	0.47	0.21	mg/Kg	☼	11/04/15 20:56	1
4-Bromophenyl phenyl ether	0.47	U H	2.3	0.47	0.25	mg/Kg	☼	11/04/15 20:56	1
Butyl benzyl phthalate	0.47	U H	2.3	0.47	0.18	mg/Kg	☼	11/04/15 20:56	1
Caprolactam	1.2	U H	2.3	1.2	0.47	mg/Kg	☼	11/04/15 20:56	1
Carbazole	0.47	U H	2.3	0.47	0.21	mg/Kg	☼	11/04/15 20:56	1
4-Chloroaniline	1.2	U H	4.7	1.2	0.37	mg/Kg	☼	11/04/15 20:56	1
4-Chloro-3-methylphenol	0.47	U H	2.3	0.47	0.25	mg/Kg	☼	11/04/15 20:56	1

Client Sample ID: AOPSN401
Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48
Matrix: Solid
Percent Solids: 73.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.47	U H	2.3	0.47	0.25	mg/Kg	☼	11/04/15 20:56	1
2-Chlorophenol	0.47	U H	2.3	0.47	0.28	mg/Kg	☼	11/04/15 20:56	1
4-Chlorophenyl phenyl ether	0.47	U H	2.3	0.47	0.31	mg/Kg	☼	11/04/15 20:56	1
Dibenzofuran	0.47	U H	2.3	0.47	0.23	mg/Kg	☼	11/04/15 20:56	1
3,3'-Dichlorobenzidine	0.47	U H	4.7	0.47	0.20	mg/Kg	☼	11/04/15 20:56	1
2,4-Dichlorophenol	0.47	U H	2.3	0.47	0.25	mg/Kg	☼	11/04/15 20:56	1
Diethyl phthalate	0.47	U H	2.3	0.47	0.26	mg/Kg	☼	11/04/15 20:56	1
2,4-Dimethylphenol	1.2	U H	2.3	1.2	0.31	mg/Kg	☼	11/04/15 20:56	1
Dimethyl phthalate	0.47	U H	2.3	0.47	0.24	mg/Kg	☼	11/04/15 20:56	1
Di-n-butyl phthalate	0.47	U H	2.3	0.47	0.21	mg/Kg	☼	11/04/15 20:56	1
2-Methyl-4,6-dinitrophenol	2.3	U H	12	2.3	1.2	mg/Kg	☼	11/04/15 20:56	1
2,4-Dinitrophenol	9.2	U H	12	9.2	5.9	mg/Kg	☼	11/04/15 20:56	1
2,4-Dinitrotoluene	1.2	U H	2.3	1.2	0.35	mg/Kg	☼	11/04/15 20:56	1
2,6-Dinitrotoluene	0.47	U H	2.3	0.47	0.30	mg/Kg	☼	11/04/15 20:56	1
Di-n-octyl phthalate	0.47	U H	2.3	0.47	0.21	mg/Kg	☼	11/04/15 20:56	1
1,4-Dioxane	2.3	U H	2.3	2.3	0.85	mg/Kg	☼	11/04/15 20:56	1
Hexachlorobenzene	0.47	U H	2.3	0.47	0.28	mg/Kg	☼	11/04/15 20:56	1
Hexachlorobutadiene	0.47	U H	2.3	0.47	0.25	mg/Kg	☼	11/04/15 20:56	1
Hexachlorocyclopentadiene	0.47	U H	2.3	0.47	0.29	mg/Kg	☼	11/04/15 20:56	1
Hexachloroethane	0.47	U H	2.3	0.47	0.20	mg/Kg	☼	11/04/15 20:56	1
Isophorone	0.47	U H	2.3	0.47	0.23	mg/Kg	☼	11/04/15 20:56	1
2-Methylphenol	0.47	U H	2.3	0.47	0.19	mg/Kg	☼	11/04/15 20:56	1
3 & 4 Methylphenol	0.47	U H	2.3	0.47	0.30	mg/Kg	☼	11/04/15 20:56	1
2-Nitroaniline	0.47	U H	12	0.47	0.32	mg/Kg	☼	11/04/15 20:56	1
3-Nitroaniline	1.2	U H	12	1.2	0.33	mg/Kg	☼	11/04/15 20:56	1
4-Nitroaniline	1.2	U H	12	1.2	0.35	mg/Kg	☼	11/04/15 20:56	1
Nitrobenzene	0.47	U H	2.3	0.47	0.18	mg/Kg	☼	11/04/15 20:56	1
2-Nitrophenol	0.47	U H	2.3	0.47	0.29	mg/Kg	☼	11/04/15 20:56	1
4-Nitrophenol	4.7	U H	12	4.7	2.3	mg/Kg	☼	11/04/15 20:56	1
N-Nitrosodi-n-propylamine	0.47	U H	2.3	0.47	0.23	mg/Kg	☼	11/04/15 20:56	1
N-Nitrosodiphenylamine	0.59	U H	2.3	0.59	0.23	mg/Kg	☼	11/04/15 20:56	1
Pentachlorophenol	4.7	U H	12	4.7	2.3	mg/Kg	☼	11/04/15 20:56	1
Phenol	0.47	U H	2.3	0.47	0.24	mg/Kg	☼	11/04/15 20:56	1
1,2,4,5-Tetrachlorobenzene	0.47	U H	2.3	0.47	0.22	mg/Kg	☼	11/04/15 20:56	1
2,3,4,6-Tetrachlorophenol	0.47	U H	2.3	0.47	0.16	mg/Kg	☼	11/04/15 20:56	1
2,4,5-Trichlorophenol	0.47	U H	2.3	0.47	0.25	mg/Kg	☼	11/04/15 20:56	1
2,4,6-Trichlorophenol	0.47	U H	2.3	0.47	0.21	mg/Kg	☼	11/04/15 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*58 - 130*	*11/03/15 16:47*	*11/04/15 20:56*	*1*
2-Fluorophenol (Surr)	*51*		*40 - 130*	*11/03/15 16:47*	*11/04/15 20:56*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*11/03/15 16:47*	*11/04/15 20:56*	*1*
Phenol-d5 (Surr)	*53*		*49 - 130*	*11/03/15 16:47*	*11/04/15 20:56*	*1*
Terphenyl-d14 (Surr)	*71*		*60 - 130*	*11/03/15 16:47*	*11/04/15 20:56*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*58 - 130*	*11/03/15 16:47*	*11/04/15 20:56*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**26000**	**D**	100	21	3.2	mg/Kg	☼	10/27/15 13:22	10
Antimony	**0.67**	**J D**	2.1	0.78	0.073	mg/Kg	☼	10/27/15 13:22	10

Client Sample ID: AOPSN401

Lab Sample ID: 680-117942-48

Date Collected: 10/12/15 13:35
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 73.4

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**4.0**	**J D**	5.2	0.78	0.14	mg/Kg	☼	10/27/15 13:22	10
Barium	**95**	**D**	5.2	1.6	1.1	mg/Kg	☼	10/27/15 13:22	10
Beryllium	**0.35**	**J D**	1.0	0.52	0.057	mg/Kg	☼	10/27/15 13:22	10
Cadmium	**0.82**	**J D**	2.1	0.052	0.019	mg/Kg	☼	10/27/15 13:22	10
Calcium	**12000**	**D**	2100	520	110	mg/Kg	☼	10/27/15 13:22	10
Chromium	**850**	**D**	5.2	2.3	0.31	mg/Kg	☼	10/27/15 13:22	10
Cobalt	**97**	**D**	1.0	0.078	0.0088	mg/Kg	☼	10/27/15 13:22	10
Copper	**72**	**D**	4.2	1.6	0.50	mg/Kg	☼	10/27/15 13:22	10
Iron	**74000**	**D**	1000	310	33	mg/Kg	☼	10/27/15 16:41	20
Lead	**210**	**D**	3.1	1.0	0.23	mg/Kg	☼	10/27/15 13:22	10
Magnesium	**48000**	**D**	1000	130	21	mg/Kg	☼	10/27/15 13:22	10
Manganese	**1200**	**D**	5.2	2.1	0.62	mg/Kg	☼	10/27/15 13:22	10
Nickel	**1500**	**D**	5.2	1.3	0.20	mg/Kg	☼	10/27/15 13:22	10
Potassium	**2800**	**D**	1000	52	25	mg/Kg	☼	10/27/15 13:22	10
Selenium	**0.94**	**J D**	5.2	0.31	0.21	mg/Kg	☼	10/27/15 13:22	10
Silver	**0.12**	**J D**	1.0	0.26	0.0073	mg/Kg	☼	10/27/15 13:22	10
Sodium	**110**	**J D**	1000	210	45	mg/Kg	☼	10/27/15 13:22	10
Thallium	0.78	U	2.1	0.78	0.099	mg/Kg	☼	10/27/15 13:22	10
V	**110**	**D**	5.2	0.52	0.19	mg/Kg	☼	10/27/15 13:22	10
Zinc	**320**	**D**	42	10	2.6	mg/Kg	☼	10/27/15 13:22	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**2.3**		0.15	0.050	0.021	mg/Kg	☼	10/22/15 10:13	1

Client Sample ID: AOPSM501

Lab Sample ID: 680-117942-49

Date Collected: 10/12/15 13:35
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 88.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Acenaphthylene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Anthracene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Benzo[a]anthracene	**0.019**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Benzo[a]pyrene	**0.018**	**J**	0.038	0.019	0.0068	mg/Kg	☼	10/28/15 19:01	1
Benzo[b]fluoranthene	**0.034**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Benzo[g,h,i]perylene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Benzo[k]fluoranthene	**0.012**	**J M**	0.038	0.019	0.011	mg/Kg	☼	10/28/15 19:01	1
Chrysene	**0.025**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Fluoranthene	**0.046**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Fluorene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Naphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
Phenanthrene	**0.027**	**J**	0.038	0.019	0.014	mg/Kg	☼	10/28/15 19:01	1
Pyrene	**0.037**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1
1-Methylnaphthalene	0.019	U	0.038	0.019	0.018	mg/Kg	☼	10/28/15 19:01	1
2-Methylnaphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 19:01	1

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid
Percent Solids: 88.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	54		36 - 131	10/24/15 09:57	10/28/15 19:01	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 22:09	1
Atrazine	0.36	U	1.8	0.36	0.12	mg/Kg	☼	11/01/15 22:09	1
Benzaldehyde	0.92	U Q	1.8	0.92	0.31	mg/Kg	☼	11/01/15 22:09	1
1,1'-Biphenyl	9.2	U	9.2	9.2	9.2	mg/Kg	☼	11/01/15 22:09	1
Bis(2-chloroethoxy)methane	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 22:09	1
Bis(2-chloroethyl)ether	0.92	U	1.8	0.92	0.24	mg/Kg	☼	11/01/15 22:09	1
bis (2-chloroisopropyl) ether	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 22:09	1
Bis(2-ethylhexyl) phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 22:09	1
4-Bromophenyl phenyl ether	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 22:09	1
Butyl benzyl phthalate	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 22:09	1
Caprolactam	0.92	U	1.8	0.92	0.36	mg/Kg	☼	11/01/15 22:09	1
Carbazole	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 22:09	1
4-Chloroaniline	0.92	U	3.6	0.92	0.28	mg/Kg	☼	11/01/15 22:09	1
4-Chloro-3-methylphenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 22:09	1
2-Chloronaphthalene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 22:09	1
2-Chlorophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	11/01/15 22:09	1
4-Chlorophenyl phenyl ether	0.36	U	1.8	0.36	0.24	mg/Kg	☼	11/01/15 22:09	1
Dibenzofuran	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 22:09	1
3,3'-Dichlorobenzidine	0.36	U	3.6	0.36	0.15	mg/Kg	☼	11/01/15 22:09	1
2,4-Dichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 22:09	1
Diethyl phthalate	0.36	U	1.8	0.36	0.20	mg/Kg	☼	11/01/15 22:09	1
2,4-Dimethylphenol	0.92	U	1.8	0.92	0.24	mg/Kg	☼	11/01/15 22:09	1
Dimethyl phthalate	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 22:09	1
Di-n-butyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 22:09	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.2	1.8	0.92	mg/Kg	☼	11/01/15 22:09	1
2,4-Dinitrophenol	7.0	U	9.2	7.0	4.5	mg/Kg	☼	11/01/15 22:09	1
2,4-Dinitrotoluene	0.92	U	1.8	0.92	0.26	mg/Kg	☼	11/01/15 22:09	1
2,6-Dinitrotoluene	0.36	U	1.8	0.36	0.23	mg/Kg	☼	11/01/15 22:09	1
Di-n-octyl phthalate	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 22:09	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.65	mg/Kg	☼	11/01/15 22:09	1
Hexachlorobenzene	0.36	U	1.8	0.36	0.21	mg/Kg	☼	11/01/15 22:09	1
Hexachlorobutadiene	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 22:09	1
Hexachlorocyclopentadiene	0.36	U Q	1.8	0.36	0.22	mg/Kg	☼	11/01/15 22:09	1
Hexachloroethane	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 22:09	1
Isophorone	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 22:09	1
2-Methylphenol	0.36	U	1.8	0.36	0.15	mg/Kg	☼	11/01/15 22:09	1
3 & 4 Methylphenol	0.36	U	1.8	0.36	0.23	mg/Kg	☼	11/01/15 22:09	1
2-Nitroaniline	0.36	U	9.2	0.36	0.24	mg/Kg	☼	11/01/15 22:09	1
3-Nitroaniline	0.92	U	9.2	0.92	0.25	mg/Kg	☼	11/01/15 22:09	1
4-Nitroaniline	0.92	U	9.2	0.92	0.26	mg/Kg	☼	11/01/15 22:09	1
Nitrobenzene	0.36	U	1.8	0.36	0.14	mg/Kg	☼	11/01/15 22:09	1
2-Nitrophenol	0.36	U	1.8	0.36	0.22	mg/Kg	☼	11/01/15 22:09	1
4-Nitrophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	11/01/15 22:09	1
N-Nitrosodi-n-propylamine	0.36	U	1.8	0.36	0.17	mg/Kg	☼	11/01/15 22:09	1
N-Nitrosodiphenylamine	0.45	U	1.8	0.45	0.18	mg/Kg	☼	11/01/15 22:09	1
Pentachlorophenol	3.6	U	9.2	3.6	1.8	mg/Kg	☼	11/01/15 22:09	1

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid
Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.36	U	1.8	0.36	0.18	mg/Kg	☼	11/01/15 22:09	1
1,2,4,5-Tetrachlorobenzene	0.36	U	1.8	0.36	0.17	mg/Kg	☼	11/01/15 22:09	1
2,3,4,6-Tetrachlorophenol	0.36	U	1.8	0.36	0.12	mg/Kg	☼	11/01/15 22:09	1
2,4,5-Trichlorophenol	0.36	U	1.8	0.36	0.19	mg/Kg	☼	11/01/15 22:09	1
2,4,6-Trichlorophenol	0.36	U	1.8	0.36	0.16	mg/Kg	☼	11/01/15 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*	*10/24/15 08:26*	*11/01/15 22:09*	*1*
2-Fluorophenol (Surr)	*54*		*40 - 130*	*10/24/15 08:26*	*11/01/15 22:09*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 130*	*10/24/15 08:26*	*11/01/15 22:09*	*1*
Phenol-d5 (Surr)	*55*		*49 - 130*	*10/24/15 08:26*	*11/01/15 22:09*	*1*
Terphenyl-d14 (Surr)	*63*		*60 - 130*	*10/24/15 08:26*	*11/01/15 22:09*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*58 - 130*	*10/24/15 08:26*	*11/01/15 22:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/04/15 21:20	1
Atrazine	0.38	U H	1.9	0.38	0.13	mg/Kg	☼	11/04/15 21:20	1
Benzaldehyde	0.97	U H	1.9	0.97	0.33	mg/Kg	☼	11/04/15 21:20	1
1,1'-Biphenyl	9.7	U H	9.7	9.7	9.7	mg/Kg	☼	11/04/15 21:20	1
Bis(2-chloroethoxy)methane	0.38	U H	1.9	0.38	0.22	mg/Kg	☼	11/04/15 21:20	1
Bis(2-chloroethyl)ether	0.97	U H	1.9	0.97	0.26	mg/Kg	☼	11/04/15 21:20	1
bis (2-chloroisopropyl) ether	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 21:20	1
Bis(2-ethylhexyl) phthalate	**0.35**	**J H**	1.9	0.38	0.17	mg/Kg	☼	11/04/15 21:20	1
4-Bromophenyl phenyl ether	0.38	U H	1.9	0.38	0.21	mg/Kg	☼	11/04/15 21:20	1
Butyl benzyl phthalate	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/04/15 21:20	1
Caprolactam	0.97	U H	1.9	0.97	0.38	mg/Kg	☼	11/04/15 21:20	1
Carbazole	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 21:20	1
4-Chloroaniline	0.97	U H	3.8	0.97	0.30	mg/Kg	☼	11/04/15 21:20	1
4-Chloro-3-methylphenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 21:20	1
2-Chloronaphthalene	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 21:20	1
2-Chlorophenol	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/04/15 21:20	1
4-Chlorophenyl phenyl ether	0.38	U H	1.9	0.38	0.25	mg/Kg	☼	11/04/15 21:20	1
Dibenzofuran	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 21:20	1
3,3'-Dichlorobenzidine	0.38	U H	3.8	0.38	0.16	mg/Kg	☼	11/04/15 21:20	1
2,4-Dichlorophenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 21:20	1
Diethyl phthalate	0.38	U H	1.9	0.38	0.21	mg/Kg	☼	11/04/15 21:20	1
2,4-Dimethylphenol	0.97	U H	1.9	0.97	0.25	mg/Kg	☼	11/04/15 21:20	1
Dimethyl phthalate	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 21:20	1
Di-n-butyl phthalate	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 21:20	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.7	1.9	0.97	mg/Kg	☼	11/04/15 21:20	1
2,4-Dinitrophenol	7.4	U H	9.7	7.4	4.8	mg/Kg	☼	11/04/15 21:20	1
2,4-Dinitrotoluene	0.97	U H	1.9	0.97	0.28	mg/Kg	☼	11/04/15 21:20	1
2,6-Dinitrotoluene	0.38	U H	1.9	0.38	0.24	mg/Kg	☼	11/04/15 21:20	1
Di-n-octyl phthalate	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 21:20	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.69	mg/Kg	☼	11/04/15 21:20	1
Hexachlorobenzene	0.38	U H	1.9	0.38	0.22	mg/Kg	☼	11/04/15 21:20	1
Hexachlorobutadiene	0.38	U H	1.9	0.38	0.21	mg/Kg	☼	11/04/15 21:20	1
Hexachlorocyclopentadiene	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/04/15 21:20	1
Hexachloroethane	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/04/15 21:20	1

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid
Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isophorone	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 21:20	1
2-Methylphenol	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/04/15 21:20	1
3 & 4 Methylphenol	0.38	U H	1.9	0.38	0.25	mg/Kg	☼	11/04/15 21:20	1
2-Nitroaniline	0.38	U H	9.7	0.38	0.26	mg/Kg	☼	11/04/15 21:20	1
3-Nitroaniline	0.97	U H	9.7	0.97	0.26	mg/Kg	☼	11/04/15 21:20	1
4-Nitroaniline	0.97	U H	9.7	0.97	0.28	mg/Kg	☼	11/04/15 21:20	1
Nitrobenzene	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/04/15 21:20	1
2-Nitrophenol	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/04/15 21:20	1
4-Nitrophenol	3.8	U H	9.7	3.8	1.9	mg/Kg	☼	11/04/15 21:20	1
N-Nitrosodi-n-propylamine	0.38	U H	1.9	0.38	0.18	mg/Kg	☼	11/04/15 21:20	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/04/15 21:20	1
Pentachlorophenol	3.8	U H	9.7	3.8	1.9	mg/Kg	☼	11/04/15 21:20	1
Phenol	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/04/15 21:20	1
1,2,4,5-Tetrachlorobenzene	0.38	U H	1.9	0.38	0.18	mg/Kg	☼	11/04/15 21:20	1
2,3,4,6-Tetrachlorophenol	0.38	U H	1.9	0.38	0.13	mg/Kg	☼	11/04/15 21:20	1
2,4,5-Trichlorophenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/04/15 21:20	1
2,4,6-Trichlorophenol	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/04/15 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*	*11/03/15 16:47*	*11/04/15 21:20*	*1*
2-Fluorophenol (Surr)	*60*		*40 - 130*	*11/03/15 16:47*	*11/04/15 21:20*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 130*	*11/03/15 16:47*	*11/04/15 21:20*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*11/03/15 16:47*	*11/04/15 21:20*	*1*
Terphenyl-d14 (Surr)	*73*		*60 - 130*	*11/03/15 16:47*	*11/04/15 21:20*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*58 - 130*	*11/03/15 16:47*	*11/04/15 21:20*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9800**	**D**	83	17	2.6	mg/Kg	☼	10/24/15 18:23	10
Antimony	**0.21**	**J D**	1.7	0.62	0.058	mg/Kg	☼	10/24/15 18:23	10
Arsenic	**3.4**	**J D**	4.2	0.62	0.11	mg/Kg	☼	10/24/15 18:23	10
Barium	**14**	**D**	4.2	1.2	0.92	mg/Kg	☼	10/24/15 18:23	10
Beryllium	**0.11**	**J D**	0.83	0.42	0.046	mg/Kg	☼	10/24/15 18:23	10
Cadmium	**0.13**	**J D**	1.7	0.042	0.015	mg/Kg	☼	10/24/15 18:23	10
Calcium	**13000**	**D**	1700	420	92	mg/Kg	☼	10/24/15 18:23	10
Chromium	**390**	**D**	4.2	1.9	0.25	mg/Kg	☼	10/24/15 18:23	10
Cobalt	**47**	**D**	0.83	0.062	0.0071	mg/Kg	☼	10/24/15 18:23	10
Copper	**21**	**D**	3.3	1.2	0.40	mg/Kg	☼	10/24/15 18:23	10
Iron	**29000**	**D**	420	120	13	mg/Kg	☼	10/24/15 18:23	10
Lead	**18**	**D**	2.5	0.83	0.19	mg/Kg	☼	10/24/15 18:23	10
Magnesium	**73000**	**D**	1700	210	33	mg/Kg	☼	10/22/15 20:46	20
Manganese	**480**	**D**	4.2	1.7	0.50	mg/Kg	☼	10/24/15 18:23	10
Nickel	**990**	**D**	4.2	1.0	0.16	mg/Kg	☼	10/24/15 18:23	10
Potassium	**660**	**J D**	830	42	20	mg/Kg	☼	10/24/15 18:23	10
Selenium	**0.27**	**J D**	4.2	0.25	0.17	mg/Kg	☼	10/24/15 18:23	10
Silver	**0.017**	**J D**	0.83	0.21	0.0058	mg/Kg	☼	10/24/15 18:23	10
Sodium	**60**	**J D**	830	170	36	mg/Kg	☼	10/24/15 18:23	10
Thallium	0.62	U	1.7	0.62	0.079	mg/Kg	☼	10/24/15 18:23	10
V	**50**	**D**	4.2	0.42	0.15	mg/Kg	☼	10/24/15 18:23	10
Zinc	**43**	**D**	33	8.3	2.1	mg/Kg	☼	10/24/15 18:23	10

Client Sample ID: AOPSM501

Lab Sample ID: 680-117942-49
Date Collected: 10/12/15 13:35
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 88.4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.021**	**J**	0.12	0.039	0.017	mg/Kg	☼	10/23/15 17:37	1

Client Sample ID: AOPSE601

Lab Sample ID: 680-117942-50
Date Collected: 10/12/15 17:07
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 99.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Acenaphthylene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Anthracene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Benzo[a]anthracene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Benzo[a]pyrene	0.016	U	0.033	0.016	0.0059	mg/Kg	☼	10/29/15 18:56	1
Benzo[b]fluoranthene	**0.020**	**J**	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Benzo[g,h,i]perylene	**0.023**	**J**	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Benzo[k]fluoranthene	0.016	U	0.033	0.016	0.0099	mg/Kg	☼	10/29/15 18:56	1
Chrysene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Fluoranthene	**0.019**	**J**	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Fluorene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Naphthalene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
Phenanthrene	**0.014**	**J**	0.033	0.016	0.012	mg/Kg	☼	10/29/15 18:56	1
Pyrene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1
1-Methylnaphthalene	0.016	U	0.033	0.016	0.015	mg/Kg	☼	10/29/15 18:56	1
2-Methylnaphthalene	0.033	U	0.033	0.033	0.016	mg/Kg	☼	10/29/15 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*36 - 131*	*10/24/15 09:57*	*10/29/15 18:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:33	1
Atrazine	0.33	U	1.6	0.33	0.11	mg/Kg	☼	11/01/15 22:33	1
Benzaldehyde	0.84	U Q	1.6	0.84	0.29	mg/Kg	☼	11/01/15 22:33	1
1,1'-Biphenyl	8.4	U	8.4	8.4	8.4	mg/Kg	☼	11/01/15 22:33	1
Bis(2-chloroethoxy)methane	0.33	U	1.6	0.33	0.19	mg/Kg	☼	11/01/15 22:33	1
Bis(2-chloroethyl)ether	0.84	U	1.6	0.84	0.22	mg/Kg	☼	11/01/15 22:33	1
bis (2-chloroisopropyl) ether	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:33	1
Bis(2-ethylhexyl) phthalate	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:33	1
4-Bromophenyl phenyl ether	0.33	U	1.6	0.33	0.18	mg/Kg	☼	11/01/15 22:33	1
Butyl benzyl phthalate	0.33	U	1.6	0.33	0.13	mg/Kg	☼	11/01/15 22:33	1
Caprolactam	0.84	U	1.6	0.84	0.33	mg/Kg	☼	11/01/15 22:33	1
Carbazole	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:33	1
4-Chloroaniline	0.84	U	3.3	0.84	0.26	mg/Kg	☼	11/01/15 22:33	1
4-Chloro-3-methylphenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:33	1
2-Chloronaphthalene	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:33	1
2-Chlorophenol	0.33	U	1.6	0.33	0.20	mg/Kg	☼	11/01/15 22:33	1
4-Chlorophenyl phenyl ether	0.33	U	1.6	0.33	0.22	mg/Kg	☼	11/01/15 22:33	1
Dibenzofuran	0.33	U	1.6	0.33	0.16	mg/Kg	☼	11/01/15 22:33	1

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.33	U	3.3	0.33	0.14	mg/Kg	☼	11/01/15 22:33	1
2,4-Dichlorophenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:33	1
Diethyl phthalate	0.33	U	1.6	0.33	0.18	mg/Kg	☼	11/01/15 22:33	1
2,4-Dimethylphenol	0.84	U	1.6	0.84	0.22	mg/Kg	☼	11/01/15 22:33	1
Dimethyl phthalate	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:33	1
Di-n-butyl phthalate	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:33	1
2-Methyl-4,6-dinitrophenol	1.6	U	8.4	1.6	0.84	mg/Kg	☼	11/01/15 22:33	1
2,4-Dinitrophenol	6.4	U	8.4	6.4	4.1	mg/Kg	☼	11/01/15 22:33	1
2,4-Dinitrotoluene	0.84	U	1.6	0.84	0.24	mg/Kg	☼	11/01/15 22:33	1
2,6-Dinitrotoluene	0.33	U	1.6	0.33	0.21	mg/Kg	☼	11/01/15 22:33	1
Di-n-octyl phthalate	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:33	1
1,4-Dioxane	1.6	U Q	1.6	1.6	0.59	mg/Kg	☼	11/01/15 22:33	1
Hexachlorobenzene	0.33	U	1.6	0.33	0.19	mg/Kg	☼	11/01/15 22:33	1
Hexachlorobutadiene	0.33	U	1.6	0.33	0.18	mg/Kg	☼	11/01/15 22:33	1
Hexachlorocyclopentadiene	0.33	U Q	1.6	0.33	0.20	mg/Kg	☼	11/01/15 22:33	1
Hexachloroethane	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:33	1
Isophorone	0.33	U	1.6	0.33	0.16	mg/Kg	☼	11/01/15 22:33	1
2-Methylphenol	0.33	U	1.6	0.33	0.13	mg/Kg	☼	11/01/15 22:33	1
3 & 4 Methylphenol	0.33	U	1.6	0.33	0.21	mg/Kg	☼	11/01/15 22:33	1
2-Nitroaniline	0.33	U	8.4	0.33	0.22	mg/Kg	☼	11/01/15 22:33	1
3-Nitroaniline	0.84	U	8.4	0.84	0.23	mg/Kg	☼	11/01/15 22:33	1
4-Nitroaniline	0.84	U	8.4	0.84	0.24	mg/Kg	☼	11/01/15 22:33	1
Nitrobenzene	0.33	U	1.6	0.33	0.13	mg/Kg	☼	11/01/15 22:33	1
2-Nitrophenol	0.33	U	1.6	0.33	0.20	mg/Kg	☼	11/01/15 22:33	1
4-Nitrophenol	3.3	U	8.4	3.3	1.6	mg/Kg	☼	11/01/15 22:33	1
N-Nitrosodi-n-propylamine	0.33	U	1.6	0.33	0.16	mg/Kg	☼	11/01/15 22:33	1
N-Nitrosodiphenylamine	0.41	U	1.6	0.41	0.16	mg/Kg	☼	11/01/15 22:33	1
Pentachlorophenol	3.3	U	8.4	3.3	1.6	mg/Kg	☼	11/01/15 22:33	1
Phenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:33	1
1,2,4,5-Tetrachlorobenzene	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:33	1
2,3,4,6-Tetrachlorophenol	0.33	U	1.6	0.33	0.11	mg/Kg	☼	11/01/15 22:33	1
2,4,5-Trichlorophenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:33	1
2,4,6-Trichlorophenol	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*43*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 22:33*	*1*
2-Fluorophenol (Surr)	*37*	*Q*	*40 - 130*	*10/24/15 08:26*	*11/01/15 22:33*	*1*
Nitrobenzene-d5 (Surr)	*40*	*Q*	*46 - 130*	*10/24/15 08:26*	*11/01/15 22:33*	*1*
Phenol-d5 (Surr)	*42*	*Q*	*49 - 130*	*10/24/15 08:26*	*11/01/15 22:33*	*1*
Terphenyl-d14 (Surr)	*50*	*Q*	*60 - 130*	*10/24/15 08:26*	*11/01/15 22:33*	*1*
2,4,6-Tribromophenol (Surr)	*51*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 22:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 21:45	1
Atrazine	0.33	U H	1.6	0.33	0.11	mg/Kg	☼	11/04/15 21:45	1
Benzaldehyde	0.83	U H	1.6	0.83	0.28	mg/Kg	☼	11/04/15 21:45	1
1,1'-Biphenyl	8.3	U H	8.3	8.3	8.3	mg/Kg	☼	11/04/15 21:45	1
Bis(2-chloroethoxy)methane	0.33	U H	1.6	0.33	0.19	mg/Kg	☼	11/04/15 21:45	1
Bis(2-chloroethyl)ether	0.83	U H	1.6	0.83	0.22	mg/Kg	☼	11/04/15 21:45	1

Client Sample ID: AOPSE601
Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50
Matrix: Solid
Percent Solids: 99.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 21:45	1
Bis(2-ethylhexyl) phthalate	**0.29**	**J H**	1.6	0.33	0.14	mg/Kg	☼	11/04/15 21:45	1
4-Bromophenyl phenyl ether	0.33	U H	1.6	0.33	0.18	mg/Kg	☼	11/04/15 21:45	1
Butyl benzyl phthalate	0.33	U H	1.6	0.33	0.13	mg/Kg	☼	11/04/15 21:45	1
Caprolactam	0.83	U H	1.6	0.83	0.32	mg/Kg	☼	11/04/15 21:45	1
Carbazole	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 21:45	1
4-Chloroaniline	0.83	U H	3.2	0.83	0.26	mg/Kg	☼	11/04/15 21:45	1
4-Chloro-3-methylphenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 21:45	1
2-Chloronaphthalene	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 21:45	1
2-Chlorophenol	0.33	U H	1.6	0.33	0.20	mg/Kg	☼	11/04/15 21:45	1
4-Chlorophenyl phenyl ether	0.33	U H	1.6	0.33	0.22	mg/Kg	☼	11/04/15 21:45	1
Dibenzofuran	0.33	U H	1.6	0.33	0.16	mg/Kg	☼	11/04/15 21:45	1
3,3'-Dichlorobenzidine	0.33	U H	3.2	0.33	0.14	mg/Kg	☼	11/04/15 21:45	1
2,4-Dichlorophenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 21:45	1
Diethyl phthalate	0.33	U H	1.6	0.33	0.18	mg/Kg	☼	11/04/15 21:45	1
2,4-Dimethylphenol	0.83	U H	1.6	0.83	0.22	mg/Kg	☼	11/04/15 21:45	1
Dimethyl phthalate	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 21:45	1
Di-n-butyl phthalate	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 21:45	1
2-Methyl-4,6-dinitrophenol	1.6	U H	8.3	1.6	0.83	mg/Kg	☼	11/04/15 21:45	1
2,4-Dinitrophenol	6.4	U H	8.3	6.4	4.1	mg/Kg	☼	11/04/15 21:45	1
2,4-Dinitrotoluene	0.83	U H	1.6	0.83	0.24	mg/Kg	☼	11/04/15 21:45	1
2,6-Dinitrotoluene	0.33	U H	1.6	0.33	0.21	mg/Kg	☼	11/04/15 21:45	1
Di-n-octyl phthalate	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 21:45	1
1,4-Dioxane	1.6	U H	1.6	1.6	0.59	mg/Kg	☼	11/04/15 21:45	1
Hexachlorobenzene	0.33	U H	1.6	0.33	0.19	mg/Kg	☼	11/04/15 21:45	1
Hexachlorobutadiene	0.33	U H	1.6	0.33	0.18	mg/Kg	☼	11/04/15 21:45	1
Hexachlorocyclopentadiene	0.33	U H	1.6	0.33	0.20	mg/Kg	☼	11/04/15 21:45	1
Hexachloroethane	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 21:45	1
Isophorone	0.33	U H	1.6	0.33	0.16	mg/Kg	☼	11/04/15 21:45	1
2-Methylphenol	0.33	U H	1.6	0.33	0.13	mg/Kg	☼	11/04/15 21:45	1
3 & 4 Methylphenol	0.33	U H	1.6	0.33	0.21	mg/Kg	☼	11/04/15 21:45	1
2-Nitroaniline	0.33	U H	8.3	0.33	0.22	mg/Kg	☼	11/04/15 21:45	1
3-Nitroaniline	0.83	U H	8.3	0.83	0.23	mg/Kg	☼	11/04/15 21:45	1
4-Nitroaniline	0.83	U H	8.3	0.83	0.24	mg/Kg	☼	11/04/15 21:45	1
Nitrobenzene	0.33	U H	1.6	0.33	0.13	mg/Kg	☼	11/04/15 21:45	1
2-Nitrophenol	0.33	U H	1.6	0.33	0.20	mg/Kg	☼	11/04/15 21:45	1
4-Nitrophenol	3.3	U H	8.3	3.3	1.6	mg/Kg	☼	11/04/15 21:45	1
N-Nitrosodi-n-propylamine	0.33	U H	1.6	0.33	0.16	mg/Kg	☼	11/04/15 21:45	1
N-Nitrosodiphenylamine	0.41	U H	1.6	0.41	0.16	mg/Kg	☼	11/04/15 21:45	1
Pentachlorophenol	3.3	U H	8.3	3.3	1.6	mg/Kg	☼	11/04/15 21:45	1
Phenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 21:45	1
1,2,4,5-Tetrachlorobenzene	0.33	U H	1.6	0.33	0.15	mg/Kg	☼	11/04/15 21:45	1
2,3,4,6-Tetrachlorophenol	0.33	U H	1.6	0.33	0.11	mg/Kg	☼	11/04/15 21:45	1
2,4,5-Trichlorophenol	0.33	U H	1.6	0.33	0.17	mg/Kg	☼	11/04/15 21:45	1
2,4,6-Trichlorophenol	0.33	U H	1.6	0.33	0.14	mg/Kg	☼	11/04/15 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*58 - 130*	*11/03/15 16:47*	*11/04/15 21:45*	*1*
2-Fluorophenol (Surr)	*50*		*40 - 130*	*11/03/15 16:47*	*11/04/15 21:45*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 130*	*11/03/15 16:47*	*11/04/15 21:45*	*1*

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	52		49 - 130	11/03/15 16:47	11/04/15 21:45	1
Terphenyl-d14 (Surr)	63		60 - 130	11/03/15 16:47	11/04/15 21:45	1
2,4,6-Tribromophenol (Surr)	66		58 - 130	11/03/15 16:47	11/04/15 21:45	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9800**	**D**	88	18	2.7	mg/Kg	☼	10/27/15 13:26	10
Antimony	**1.2**	**J D**	1.8	0.66	0.062	mg/Kg	☼	10/27/15 13:26	10
Arsenic	**2.9**	**J D**	4.4	0.66	0.11	mg/Kg	☼	10/27/15 13:26	10
Barium	**53**	**D**	4.4	1.3	0.97	mg/Kg	☼	10/27/15 13:26	10
Beryllium	**0.17**	**J D**	0.88	0.44	0.048	mg/Kg	☼	10/27/15 13:26	10
Cadmium	**1.2**	**J D**	1.8	0.044	0.016	mg/Kg	☼	10/27/15 13:26	10
Calcium	**120000**	**D**	18000	4400	970	mg/Kg	☼	10/27/15 16:45	100
Chromium	**100**	**D**	4.4	2.0	0.26	mg/Kg	☼	10/27/15 13:26	10
Cobalt	**12**	**D**	0.88	0.066	0.0075	mg/Kg	☼	10/27/15 13:26	10
Copper	**32**	**D**	3.5	1.3	0.43	mg/Kg	☼	10/27/15 13:26	10
Iron	**21000**	**D**	440	130	14	mg/Kg	☼	10/27/15 13:26	10
Lead	**24**	**D**	2.6	0.88	0.20	mg/Kg	☼	10/27/15 13:26	10
Magnesium	**31000**	**D**	880	110	18	mg/Kg	☼	10/27/15 13:26	10
Manganese	**390**	**D**	4.4	1.8	0.53	mg/Kg	☼	10/27/15 13:26	10
Nickel	**190**	**D**	4.4	1.1	0.17	mg/Kg	☼	10/27/15 13:26	10
Potassium	**430**	**J D**	880	44	22	mg/Kg	☼	10/27/15 13:26	10
Selenium	**0.40**	**J D**	4.4	0.26	0.18	mg/Kg	☼	10/27/15 13:26	10
Silver	**0.032**	**J D**	0.88	0.22	0.0062	mg/Kg	☼	10/27/15 13:26	10
Sodium	**410**	**J D**	880	180	38	mg/Kg	☼	10/27/15 13:26	10
Thallium	0.66	U	1.8	0.66	0.084	mg/Kg	☼	10/27/15 13:26	10
V	**47**	**D**	4.4	0.44	0.16	mg/Kg	☼	10/27/15 13:26	10
Zinc	**160**	**D**	35	8.8	2.2	mg/Kg	☼	10/27/15 13:26	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.029	U	0.087	0.029	0.012	mg/Kg	☼	10/22/15 10:14	1

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Acenaphthylene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Anthracene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Benzo[a]anthracene	**0.018**	**J**	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Benzo[a]pyrene	**0.026**	**J**	0.035	0.017	0.0063	mg/Kg	☼	10/29/15 19:21	1
Benzo[b]fluoranthene	**0.064**		0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Benzo[g,h,i]perylene	**0.034**	**J**	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Benzo[k]fluoranthene	0.017	U	0.035	0.017	0.010	mg/Kg	☼	10/29/15 19:21	1
Chrysene	**0.052**		0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Fluoranthene	**0.046**		0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Fluorene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Naphthalene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
Phenanthrene	**0.026**	**J**	0.035	0.017	0.013	mg/Kg	☼	10/29/15 19:21	1
Pyrene	**0.041**		0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1
1-Methylnaphthalene	0.017	U	0.035	0.017	0.016	mg/Kg	☼	10/29/15 19:21	1
2-Methylnaphthalene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*36 - 131*	*10/24/15 09:57*	*10/29/15 19:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:58	1
Atrazine	0.33	U	1.6	0.33	0.11	mg/Kg	☼	11/01/15 22:58	1
Benzaldehyde	0.83	U Q	1.6	0.83	0.28	mg/Kg	☼	11/01/15 22:58	1
1,1'-Biphenyl	8.3	U	8.3	8.3	8.3	mg/Kg	☼	11/01/15 22:58	1
Bis(2-chloroethoxy)methane	0.33	U	1.6	0.33	0.19	mg/Kg	☼	11/01/15 22:58	1
Bis(2-chloroethyl)ether	0.83	U	1.6	0.83	0.22	mg/Kg	☼	11/01/15 22:58	1
bis (2-chloroisopropyl) ether	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:58	1
Bis(2-ethylhexyl) phthalate	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:58	1
4-Bromophenyl phenyl ether	0.33	U	1.6	0.33	0.18	mg/Kg	☼	11/01/15 22:58	1
Butyl benzyl phthalate	0.33	U	1.6	0.33	0.13	mg/Kg	☼	11/01/15 22:58	1
Caprolactam	0.83	U	1.6	0.83	0.32	mg/Kg	☼	11/01/15 22:58	1
Carbazole	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:58	1
4-Chloroaniline	0.83	U	3.2	0.83	0.25	mg/Kg	☼	11/01/15 22:58	1
4-Chloro-3-methylphenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:58	1
2-Chloronaphthalene	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:58	1
2-Chlorophenol	0.33	U	1.6	0.33	0.19	mg/Kg	☼	11/01/15 22:58	1
4-Chlorophenyl phenyl ether	0.33	U	1.6	0.33	0.21	mg/Kg	☼	11/01/15 22:58	1
Dibenzofuran	0.33	U	1.6	0.33	0.16	mg/Kg	☼	11/01/15 22:58	1
3,3'-Dichlorobenzidine	0.33	U	3.2	0.33	0.14	mg/Kg	☼	11/01/15 22:58	1
2,4-Dichlorophenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:58	1
Diethyl phthalate	0.33	U	1.6	0.33	0.18	mg/Kg	☼	11/01/15 22:58	1
2,4-Dimethylphenol	0.83	U	1.6	0.83	0.21	mg/Kg	☼	11/01/15 22:58	1
Dimethyl phthalate	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:58	1
Di-n-butyl phthalate	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:58	1
2-Methyl-4,6-dinitrophenol	1.6	U	8.3	1.6	0.83	mg/Kg	☼	11/01/15 22:58	1
2,4-Dinitrophenol	6.3	U	8.3	6.3	4.0	mg/Kg	☼	11/01/15 22:58	1
2,4-Dinitrotoluene	0.83	U	1.6	0.83	0.24	mg/Kg	☼	11/01/15 22:58	1
2,6-Dinitrotoluene	0.33	U	1.6	0.33	0.20	mg/Kg	☼	11/01/15 22:58	1
Di-n-octyl phthalate	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:58	1
1,4-Dioxane	1.6	U Q	1.6	1.6	0.58	mg/Kg	☼	11/01/15 22:58	1
Hexachlorobenzene	0.33	U	1.6	0.33	0.19	mg/Kg	☼	11/01/15 22:58	1
Hexachlorobutadiene	0.33	U	1.6	0.33	0.18	mg/Kg	☼	11/01/15 22:58	1
Hexachlorocyclopentadiene	0.33	U Q	1.6	0.33	0.20	mg/Kg	☼	11/01/15 22:58	1
Hexachloroethane	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:58	1
Isophorone	0.33	U	1.6	0.33	0.16	mg/Kg	☼	11/01/15 22:58	1
2-Methylphenol	0.33	U	1.6	0.33	0.13	mg/Kg	☼	11/01/15 22:58	1
3 & 4 Methylphenol	0.33	U	1.6	0.33	0.21	mg/Kg	☼	11/01/15 22:58	1

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Nitroaniline	0.33	U	8.3	0.33	0.22	mg/Kg	☼	11/01/15 22:58	1
3-Nitroaniline	0.83	U	8.3	0.83	0.22	mg/Kg	☼	11/01/15 22:58	1
4-Nitroaniline	0.83	U	8.3	0.83	0.24	mg/Kg	☼	11/01/15 22:58	1
Nitrobenzene	0.33	U	1.6	0.33	0.13	mg/Kg	☼	11/01/15 22:58	1
2-Nitrophenol	0.33	U	1.6	0.33	0.20	mg/Kg	☼	11/01/15 22:58	1
4-Nitrophenol	3.3	U	8.3	3.3	1.6	mg/Kg	☼	11/01/15 22:58	1
N-Nitrosodi-n-propylamine	0.33	U	1.6	0.33	0.16	mg/Kg	☼	11/01/15 22:58	1
N-Nitrosodiphenylamine	0.40	U	1.6	0.40	0.16	mg/Kg	☼	11/01/15 22:58	1
Pentachlorophenol	3.3	U	8.3	3.3	1.6	mg/Kg	☼	11/01/15 22:58	1
Phenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:58	1
1,2,4,5-Tetrachlorobenzene	0.33	U	1.6	0.33	0.15	mg/Kg	☼	11/01/15 22:58	1
2,3,4,6-Tetrachlorophenol	0.33	U	1.6	0.33	0.11	mg/Kg	☼	11/01/15 22:58	1
2,4,5-Trichlorophenol	0.33	U	1.6	0.33	0.17	mg/Kg	☼	11/01/15 22:58	1
2,4,6-Trichlorophenol	0.33	U	1.6	0.33	0.14	mg/Kg	☼	11/01/15 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/24/15 08:26*	*11/01/15 22:58*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/24/15 08:26*	*11/01/15 22:58*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 130*	*10/24/15 08:26*	*11/01/15 22:58*	*1*
Phenol-d5 (Surr)	*64*		*49 - 130*	*10/24/15 08:26*	*11/01/15 22:58*	*1*
Terphenyl-d14 (Surr)	*66*		*60 - 130*	*10/24/15 08:26*	*11/01/15 22:58*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*58 - 130*	*10/24/15 08:26*	*11/01/15 22:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.32	U H	1.6	0.32	0.13	mg/Kg	☼	11/04/15 22:09	1
Atrazine	0.32	U H	1.6	0.32	0.11	mg/Kg	☼	11/04/15 22:09	1
Benzaldehyde	0.81	U H	1.6	0.81	0.28	mg/Kg	☼	11/04/15 22:09	1
1,1'-Biphenyl	8.1	U H	8.1	8.1	8.1	mg/Kg	☼	11/04/15 22:09	1
Bis(2-chloroethoxy)methane	0.32	U H	1.6	0.32	0.19	mg/Kg	☼	11/04/15 22:09	1
Bis(2-chloroethyl)ether	0.81	U H	1.6	0.81	0.22	mg/Kg	☼	11/04/15 22:09	1
bis (2-chloroisopropyl) ether	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:09	1
Bis(2-ethylhexyl) phthalate	**1.1**	**J H**	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:09	1
4-Bromophenyl phenyl ether	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:09	1
Butyl benzyl phthalate	0.32	U H	1.6	0.32	0.12	mg/Kg	☼	11/04/15 22:09	1
Caprolactam	0.81	U H	1.6	0.81	0.32	mg/Kg	☼	11/04/15 22:09	1
Carbazole	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:09	1
4-Chloroaniline	0.81	U H	3.2	0.81	0.25	mg/Kg	☼	11/04/15 22:09	1
4-Chloro-3-methylphenol	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:09	1
2-Chloronaphthalene	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:09	1
2-Chlorophenol	0.32	U H	1.6	0.32	0.19	mg/Kg	☼	11/04/15 22:09	1
4-Chlorophenyl phenyl ether	0.32	U H	1.6	0.32	0.21	mg/Kg	☼	11/04/15 22:09	1
Dibenzofuran	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:09	1
3,3'-Dichlorobenzidine	0.32	U H	3.2	0.32	0.13	mg/Kg	☼	11/04/15 22:09	1
2,4-Dichlorophenol	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:09	1
Diethyl phthalate	0.32	U H	1.6	0.32	0.18	mg/Kg	☼	11/04/15 22:09	1
2,4-Dimethylphenol	0.81	U H	1.6	0.81	0.21	mg/Kg	☼	11/04/15 22:09	1
Dimethyl phthalate	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:09	1
Di-n-butyl phthalate	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:09	1
2-Methyl-4,6-dinitrophenol	1.6	U H	8.1	1.6	0.81	mg/Kg	☼	11/04/15 22:09	1

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrophenol	6.2	U H	8.1	6.2	4.0	mg/Kg	☼	11/04/15 22:09	1
2,4-Dinitrotoluene	0.81	U H	1.6	0.81	0.23	mg/Kg	☼	11/04/15 22:09	1
2,6-Dinitrotoluene	0.32	U H	1.6	0.32	0.20	mg/Kg	☼	11/04/15 22:09	1
Di-n-octyl phthalate	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:09	1
1,4-Dioxane	1.6	U H	1.6	1.6	0.57	mg/Kg	☼	11/04/15 22:09	1
Hexachlorobenzene	0.32	U H	1.6	0.32	0.19	mg/Kg	☼	11/04/15 22:09	1
Hexachlorobutadiene	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:09	1
Hexachlorocyclopentadiene	0.32	U H	1.6	0.32	0.20	mg/Kg	☼	11/04/15 22:09	1
Hexachloroethane	0.32	U H	1.6	0.32	0.13	mg/Kg	☼	11/04/15 22:09	1
Isophorone	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:09	1
2-Methylphenol	0.32	U H	1.6	0.32	0.13	mg/Kg	☼	11/04/15 22:09	1
3 & 4 Methylphenol	0.32	U H	1.6	0.32	0.21	mg/Kg	☼	11/04/15 22:09	1
2-Nitroaniline	0.32	U H	8.1	0.32	0.22	mg/Kg	☼	11/04/15 22:09	1
3-Nitroaniline	0.81	U H	8.1	0.81	0.22	mg/Kg	☼	11/04/15 22:09	1
4-Nitroaniline	0.81	U H	8.1	0.81	0.23	mg/Kg	☼	11/04/15 22:09	1
Nitrobenzene	0.32	U H	1.6	0.32	0.12	mg/Kg	☼	11/04/15 22:09	1
2-Nitrophenol	0.32	U H	1.6	0.32	0.20	mg/Kg	☼	11/04/15 22:09	1
4-Nitrophenol	3.2	U H	8.1	3.2	1.6	mg/Kg	☼	11/04/15 22:09	1
N-Nitrosodi-n-propylamine	0.32	U H	1.6	0.32	0.15	mg/Kg	☼	11/04/15 22:09	1
N-Nitrosodiphenylamine	0.40	U H	1.6	0.40	0.16	mg/Kg	☼	11/04/15 22:09	1
Pentachlorophenol	3.2	U H	8.1	3.2	1.6	mg/Kg	☼	11/04/15 22:09	1
Phenol	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:09	1
1,2,4,5-Tetrachlorobenzene	0.32	U H	1.6	0.32	0.15	mg/Kg	☼	11/04/15 22:09	1
2,3,4,6-Tetrachlorophenol	0.32	U H	1.6	0.32	0.11	mg/Kg	☼	11/04/15 22:09	1
2,4,5-Trichlorophenol	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:09	1
2,4,6-Trichlorophenol	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*58 - 130*	*11/03/15 16:47*	*11/04/15 22:09*	*1*
2-Fluorophenol (Surr)	*56*		*40 - 130*	*11/03/15 16:47*	*11/04/15 22:09*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*11/03/15 16:47*	*11/04/15 22:09*	*1*
Phenol-d5 (Surr)	*60*		*49 - 130*	*11/03/15 16:47*	*11/04/15 22:09*	*1*
Terphenyl-d14 (Surr)	*61*		*60 - 130*	*11/03/15 16:47*	*11/04/15 22:09*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*11/03/15 16:47*	*11/04/15 22:09*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**9100**	**D**	85	17	2.6	mg/Kg	☼	10/27/15 13:30	10
Antimony	**1.3**	**J D**	1.7	0.64	0.060	mg/Kg	☼	10/27/15 13:30	10
Arsenic	**3.2**	**J D**	4.3	0.64	0.11	mg/Kg	☼	10/27/15 13:30	10
Barium	**250**	**D**	4.3	1.3	0.94	mg/Kg	☼	10/27/15 13:30	10
Beryllium	**0.15**	**J D**	0.85	0.43	0.047	mg/Kg	☼	10/27/15 13:30	10
Cadmium	**1.1**	**J D**	1.7	0.043	0.016	mg/Kg	☼	10/27/15 13:30	10
Calcium	**120000**	**D**	17000	4300	940	mg/Kg	☼	10/27/15 16:48	100
Chromium	**110**	**D**	4.3	1.9	0.26	mg/Kg	☼	10/27/15 13:30	10
Cobalt	**14**	**D**	0.85	0.064	0.0072	mg/Kg	☼	10/27/15 13:30	10
Copper	**33**	**D**	3.4	1.3	0.41	mg/Kg	☼	10/27/15 13:30	10
Iron	**20000**	**D**	430	130	14	mg/Kg	☼	10/27/15 13:30	10
Lead	**21**	**D**	2.6	0.85	0.19	mg/Kg	☼	10/27/15 13:30	10
Magnesium	**34000**	**D**	850	110	17	mg/Kg	☼	10/27/15 13:30	10

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51
Matrix: Solid
Percent Solids: 99.6

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Manganese	390	D	4.3	1.7	0.51	mg/Kg	☼	10/27/15 13:30	10
Nickel	230	D	4.3	1.1	0.17	mg/Kg	☼	10/27/15 13:30	10
Potassium	410	J D	850	43	21	mg/Kg	☼	10/27/15 13:30	10
Selenium	0.28	J D	4.3	0.26	0.17	mg/Kg	☼	10/27/15 13:30	10
Silver	0.046	J D	0.85	0.21	0.0060	mg/Kg	☼	10/27/15 13:30	10
Sodium	400	J D	850	170	37	mg/Kg	☼	10/27/15 13:30	10
Thallium	0.64	U	1.7	0.64	0.081	mg/Kg	☼	10/27/15 13:30	10
V	47	D	4.3	0.43	0.16	mg/Kg	☼	10/27/15 13:30	10
Zinc	220	D	34	8.5	2.1	mg/Kg	☼	10/27/15 13:30	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.032	U	0.096	0.032	0.013	mg/Kg	☼	10/22/15 10:16	1

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52
Matrix: Solid
Percent Solids: 96.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Acenaphthylene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Anthracene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Benzo[a]anthracene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Benzo[a]pyrene	0.015	J	0.035	0.017	0.0063	mg/Kg	☼	10/29/15 19:46	1
Benzo[b]fluoranthene	0.029	J	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Benzo[g,h,i]perylene	0.051		0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Benzo[k]fluoranthene	0.017	U	0.035	0.017	0.010	mg/Kg	☼	10/29/15 19:46	1
Chrysene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Fluoranthene	0.017	J	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Fluorene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Naphthalene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
Phenanthrene	0.017	U	0.035	0.017	0.013	mg/Kg	☼	10/29/15 19:46	1
Pyrene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1
1-Methylnaphthalene	0.017	U	0.035	0.017	0.016	mg/Kg	☼	10/29/15 19:46	1
2-Methylnaphthalene	0.035	U	0.035	0.035	0.017	mg/Kg	☼	10/29/15 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*36 - 131*	*10/24/15 09:57*	*10/29/15 19:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.34	U	1.7	0.34	0.14	mg/Kg	☼	11/01/15 23:22	1
Atrazine	0.34	U	1.7	0.34	0.12	mg/Kg	☼	11/01/15 23:22	1
Benzaldehyde	0.86	U Q	1.7	0.86	0.29	mg/Kg	☼	11/01/15 23:22	1
1,1'-Biphenyl	8.6	U	8.6	8.6	8.6	mg/Kg	☼	11/01/15 23:22	1
Bis(2-chloroethoxy)methane	0.34	U	1.7	0.34	0.20	mg/Kg	☼	11/01/15 23:22	1
Bis(2-chloroethyl)ether	0.86	U	1.7	0.86	0.23	mg/Kg	☼	11/01/15 23:22	1

Client Sample ID: AOPSF701
Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52
Matrix: Solid
Percent Solids: 96.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.34	U	1.7	0.34	0.15	mg/Kg	☼	11/01/15 23:22	1
Bis(2-ethylhexyl) phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	11/01/15 23:22	1
4-Bromophenyl phenyl ether	0.34	U	1.7	0.34	0.18	mg/Kg	☼	11/01/15 23:22	1
Butyl benzyl phthalate	0.34	U	1.7	0.34	0.13	mg/Kg	☼	11/01/15 23:22	1
Caprolactam	0.86	U	1.7	0.86	0.34	mg/Kg	☼	11/01/15 23:22	1
Carbazole	0.34	U	1.7	0.34	0.15	mg/Kg	☼	11/01/15 23:22	1
4-Chloroaniline	0.86	U	3.4	0.86	0.26	mg/Kg	☼	11/01/15 23:22	1
4-Chloro-3-methylphenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	11/01/15 23:22	1
2-Chloronaphthalene	0.34	U	1.7	0.34	0.18	mg/Kg	☼	11/01/15 23:22	1
2-Chlorophenol	0.34	U	1.7	0.34	0.20	mg/Kg	☼	11/01/15 23:22	1
4-Chlorophenyl phenyl ether	0.34	U	1.7	0.34	0.22	mg/Kg	☼	11/01/15 23:22	1
Dibenzofuran	0.34	U	1.7	0.34	0.17	mg/Kg	☼	11/01/15 23:22	1
3,3'-Dichlorobenzidine	0.34	U	3.4	0.34	0.14	mg/Kg	☼	11/01/15 23:22	1
2,4-Dichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	11/01/15 23:22	1
Diethyl phthalate	0.34	U	1.7	0.34	0.19	mg/Kg	☼	11/01/15 23:22	1
2,4-Dimethylphenol	0.86	U	1.7	0.86	0.22	mg/Kg	☼	11/01/15 23:22	1
Dimethyl phthalate	0.34	U	1.7	0.34	0.17	mg/Kg	☼	11/01/15 23:22	1
Di-n-butyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	11/01/15 23:22	1
2-Methyl-4,6-dinitrophenol	1.7	U	8.6	1.7	0.86	mg/Kg	☼	11/01/15 23:22	1
2,4-Dinitrophenol	6.6	U	8.6	6.6	4.2	mg/Kg	☼	11/01/15 23:22	1
2,4-Dinitrotoluene	0.86	U	1.7	0.86	0.25	mg/Kg	☼	11/01/15 23:22	1
2,6-Dinitrotoluene	0.34	U	1.7	0.34	0.21	mg/Kg	☼	11/01/15 23:22	1
Di-n-octyl phthalate	0.34	U	1.7	0.34	0.15	mg/Kg	☼	11/01/15 23:22	1
1,4-Dioxane	1.7	U Q	1.7	1.7	0.61	mg/Kg	☼	11/01/15 23:22	1
Hexachlorobenzene	0.34	U	1.7	0.34	0.20	mg/Kg	☼	11/01/15 23:22	1
Hexachlorobutadiene	0.34	U	1.7	0.34	0.18	mg/Kg	☼	11/01/15 23:22	1
Hexachlorocyclopentadiene	0.34	U Q	1.7	0.34	0.21	mg/Kg	☼	11/01/15 23:22	1
Hexachloroethane	0.34	U	1.7	0.34	0.14	mg/Kg	☼	11/01/15 23:22	1
Isophorone	0.34	U	1.7	0.34	0.17	mg/Kg	☼	11/01/15 23:22	1
2-Methylphenol	0.34	U	1.7	0.34	0.14	mg/Kg	☼	11/01/15 23:22	1
3 & 4 Methylphenol	0.34	U	1.7	0.34	0.22	mg/Kg	☼	11/01/15 23:22	1
2-Nitroaniline	0.34	U	8.6	0.34	0.23	mg/Kg	☼	11/01/15 23:22	1
3-Nitroaniline	0.86	U	8.6	0.86	0.23	mg/Kg	☼	11/01/15 23:22	1
4-Nitroaniline	0.86	U	8.6	0.86	0.25	mg/Kg	☼	11/01/15 23:22	1
Nitrobenzene	0.34	U	1.7	0.34	0.13	mg/Kg	☼	11/01/15 23:22	1
2-Nitrophenol	0.34	U	1.7	0.34	0.21	mg/Kg	☼	11/01/15 23:22	1
4-Nitrophenol	3.4	U	8.6	3.4	1.7	mg/Kg	☼	11/01/15 23:22	1
N-Nitrosodi-n-propylamine	0.34	U	1.7	0.34	0.16	mg/Kg	☼	11/01/15 23:22	1
N-Nitrosodiphenylamine	0.42	U	1.7	0.42	0.17	mg/Kg	☼	11/01/15 23:22	1
Pentachlorophenol	3.4	U	8.6	3.4	1.7	mg/Kg	☼	11/01/15 23:22	1
Phenol	0.34	U	1.7	0.34	0.17	mg/Kg	☼	11/01/15 23:22	1
1,2,4,5-Tetrachlorobenzene	0.34	U	1.7	0.34	0.16	mg/Kg	☼	11/01/15 23:22	1
2,3,4,6-Tetrachlorophenol	0.34	U	1.7	0.34	0.11	mg/Kg	☼	11/01/15 23:22	1
2,4,5-Trichlorophenol	0.34	U	1.7	0.34	0.18	mg/Kg	☼	11/01/15 23:22	1
2,4,6-Trichlorophenol	0.34	U	1.7	0.34	0.15	mg/Kg	☼	11/01/15 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/24/15 08:26*	*11/01/15 23:22*	*1*
2-Fluorophenol (Surr)	*56*		*40 - 130*	*10/24/15 08:26*	*11/01/15 23:22*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 130*	*10/24/15 08:26*	*11/01/15 23:22*	*1*

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52

Matrix: Solid
Percent Solids: 96.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	60		49 - 130	10/24/15 08:26	11/01/15 23:22	1
Terphenyl-d14 (Surr)	72		60 - 130	10/24/15 08:26	11/01/15 23:22	1
2,4,6-Tribromophenol (Surr)	76		58 - 130	10/24/15 08:26	11/01/15 23:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:32	1
Atrazine	0.32	U H	1.6	0.32	0.11	mg/Kg	☼	11/04/15 22:32	1
Benzaldehyde	0.82	U H	1.6	0.82	0.28	mg/Kg	☼	11/04/15 22:32	1
1,1'-Biphenyl	8.2	U H	8.2	8.2	8.2	mg/Kg	☼	11/04/15 22:32	1
Bis(2-chloroethoxy)methane	0.32	U H	1.6	0.32	0.19	mg/Kg	☼	11/04/15 22:32	1
Bis(2-chloroethyl)ether	0.82	U H	1.6	0.82	0.22	mg/Kg	☼	11/04/15 22:32	1
bis (2-chloroisopropyl) ether	0.32	U H	1.6	0.32	0.15	mg/Kg	☼	11/04/15 22:32	1
Bis(2-ethylhexyl) phthalate	**0.38**	**J H**	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:32	1
4-Bromophenyl phenyl ether	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:32	1
Butyl benzyl phthalate	0.32	U H	1.6	0.32	0.13	mg/Kg	☼	11/04/15 22:32	1
Caprolactam	0.82	U H	1.6	0.82	0.32	mg/Kg	☼	11/04/15 22:32	1
Carbazole	0.32	U H	1.6	0.32	0.15	mg/Kg	☼	11/04/15 22:32	1
4-Chloroaniline	0.82	U H	3.2	0.82	0.25	mg/Kg	☼	11/04/15 22:32	1
4-Chloro-3-methylphenol	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:32	1
2-Chloronaphthalene	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:32	1
2-Chlorophenol	0.32	U H	1.6	0.32	0.19	mg/Kg	☼	11/04/15 22:32	1
4-Chlorophenyl phenyl ether	0.32	U H	1.6	0.32	0.21	mg/Kg	☼	11/04/15 22:32	1
Dibenzofuran	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:32	1
3,3'-Dichlorobenzidine	0.32	U H	3.2	0.32	0.14	mg/Kg	☼	11/04/15 22:32	1
2,4-Dichlorophenol	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:32	1
Diethyl phthalate	0.32	U H	1.6	0.32	0.18	mg/Kg	☼	11/04/15 22:32	1
2,4-Dimethylphenol	0.82	U H	1.6	0.82	0.21	mg/Kg	☼	11/04/15 22:32	1
Dimethyl phthalate	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:32	1
Di-n-butyl phthalate	0.32	U H	1.6	0.32	0.15	mg/Kg	☼	11/04/15 22:32	1
2-Methyl-4,6-dinitrophenol	1.6	U H	8.2	1.6	0.82	mg/Kg	☼	11/04/15 22:32	1
2,4-Dinitrophenol	6.3	U H	8.2	6.3	4.0	mg/Kg	☼	11/04/15 22:32	1
2,4-Dinitrotoluene	0.82	U H	1.6	0.82	0.24	mg/Kg	☼	11/04/15 22:32	1
2,6-Dinitrotoluene	0.32	U H	1.6	0.32	0.20	mg/Kg	☼	11/04/15 22:32	1
Di-n-octyl phthalate	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:32	1
1,4-Dioxane	1.6	U H	1.6	1.6	0.58	mg/Kg	☼	11/04/15 22:32	1
Hexachlorobenzene	0.32	U H	1.6	0.32	0.19	mg/Kg	☼	11/04/15 22:32	1
Hexachlorobutadiene	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:32	1
Hexachlorocyclopentadiene	0.32	U H	1.6	0.32	0.20	mg/Kg	☼	11/04/15 22:32	1
Hexachloroethane	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:32	1
Isophorone	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:32	1
2-Methylphenol	0.32	U H	1.6	0.32	0.13	mg/Kg	☼	11/04/15 22:32	1
3 & 4 Methylphenol	0.32	U H	1.6	0.32	0.21	mg/Kg	☼	11/04/15 22:32	1
2-Nitroaniline	0.32	U H	8.2	0.32	0.22	mg/Kg	☼	11/04/15 22:32	1
3-Nitroaniline	0.82	U H	8.2	0.82	0.22	mg/Kg	☼	11/04/15 22:32	1
4-Nitroaniline	0.82	U H	8.2	0.82	0.24	mg/Kg	☼	11/04/15 22:32	1
Nitrobenzene	0.32	U H	1.6	0.32	0.13	mg/Kg	☼	11/04/15 22:32	1
2-Nitrophenol	0.32	U H	1.6	0.32	0.20	mg/Kg	☼	11/04/15 22:32	1
4-Nitrophenol	3.2	U H	8.2	3.2	1.6	mg/Kg	☼	11/04/15 22:32	1

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52

Matrix: Solid
Percent Solids: 96.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:32	1
N-Nitrosodiphenylamine	0.40	U H	1.6	0.40	0.16	mg/Kg	☼	11/04/15 22:32	1
Pentachlorophenol	3.2	U H	8.2	3.2	1.6	mg/Kg	☼	11/04/15 22:32	1
Phenol	0.32	U H	1.6	0.32	0.16	mg/Kg	☼	11/04/15 22:32	1
1,2,4,5-Tetrachlorobenzene	0.32	U H	1.6	0.32	0.15	mg/Kg	☼	11/04/15 22:32	1
2,3,4,6-Tetrachlorophenol	0.32	U H	1.6	0.32	0.11	mg/Kg	☼	11/04/15 22:32	1
2,4,5-Trichlorophenol	0.32	U H	1.6	0.32	0.17	mg/Kg	☼	11/04/15 22:32	1
2,4,6-Trichlorophenol	0.32	U H	1.6	0.32	0.14	mg/Kg	☼	11/04/15 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*58 - 130*	*11/03/15 16:47*	*11/04/15 22:32*	*1*
2-Fluorophenol (Surr)	*53*		*40 - 130*	*11/03/15 16:47*	*11/04/15 22:32*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 130*	*11/03/15 16:47*	*11/04/15 22:32*	*1*
Phenol-d5 (Surr)	*56*		*49 - 130*	*11/03/15 16:47*	*11/04/15 22:32*	*1*
Terphenyl-d14 (Surr)	*65*		*60 - 130*	*11/03/15 16:47*	*11/04/15 22:32*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*58 - 130*	*11/03/15 16:47*	*11/04/15 22:32*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**13000**	**D**	77	15	2.4	mg/Kg	☼	10/27/15 13:33	10
Antimony	**0.17**	**J D**	1.5	0.58	0.054	mg/Kg	☼	10/27/15 13:33	10
Arsenic	**2.7**	**J D**	3.9	0.58	0.10	mg/Kg	☼	10/27/15 13:33	10
Barium	**63**	**D**	3.9	1.2	0.85	mg/Kg	☼	10/27/15 13:33	10
Beryllium	**0.20**	**J D**	0.77	0.39	0.043	mg/Kg	☼	10/27/15 13:33	10
Cadmium	**0.23**	**J D**	1.5	0.039	0.014	mg/Kg	☼	10/27/15 13:33	10
Calcium	**48000**	**D**	3100	770	170	mg/Kg	☼	10/27/15 16:52	20
Chromium	**63**	**D**	3.9	1.7	0.23	mg/Kg	☼	10/27/15 13:33	10
Cobalt	**12**	**D**	0.77	0.058	0.0066	mg/Kg	☼	10/27/15 13:33	10
Copper	**42**	**D**	3.1	1.2	0.38	mg/Kg	☼	10/27/15 13:33	10
Iron	**24000**	**D**	390	120	12	mg/Kg	☼	10/27/15 13:33	10
Lead	**5.2**	**D**	2.3	0.77	0.17	mg/Kg	☼	10/27/15 13:33	10
Magnesium	**17000**	**D**	770	97	15	mg/Kg	☼	10/27/15 13:33	10
Manganese	**540**	**D**	3.9	1.5	0.46	mg/Kg	☼	10/27/15 13:33	10
Nickel	**83**	**D**	3.9	0.97	0.15	mg/Kg	☼	10/27/15 13:33	10
Potassium	**500**	**J D**	770	39	19	mg/Kg	☼	10/27/15 13:33	10
Selenium	**0.39**	**J D**	3.9	0.23	0.15	mg/Kg	☼	10/27/15 13:33	10
Silver	**0.039**	**J D**	0.77	0.19	0.0054	mg/Kg	☼	10/27/15 13:33	10
Sodium	**250**	**J D**	770	150	34	mg/Kg	☼	10/27/15 13:33	10
Thallium	0.58	U	1.5	0.58	0.073	mg/Kg	☼	10/27/15 13:33	10
V	**58**	**D**	3.9	0.39	0.14	mg/Kg	☼	10/27/15 13:33	10
Zinc	**60**	**D**	31	7.7	1.9	mg/Kg	☼	10/27/15 13:33	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg	☼	10/22/15 10:18	1

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Acenaphthylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Benzo[a]anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Benzo[a]pyrene	**0.013**	**J**	0.039	0.019	0.0070	mg/Kg	☼	10/27/15 18:15	1
Benzo[b]fluoranthene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Benzo[g,h,i]perylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Benzo[k]fluoranthene	0.019	U	0.039	0.019	0.012	mg/Kg	☼	10/27/15 18:15	1
Chrysene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Fluoranthene	0.039	U J	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Fluorene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Naphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
Phenanthrene	0.019	U	0.039	0.019	0.014	mg/Kg	☼	10/27/15 18:15	1
Pyrene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1
1-Methylnaphthalene	0.019	U	0.039	0.019	0.018	mg/Kg	☼	10/27/15 18:15	1
2-Methylnaphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*36 - 131*	*10/23/15 12:45*	*10/27/15 18:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U J	1.9	0.39	0.16	mg/Kg	☼	10/30/15 13:38	1
Atrazine	0.39	U J	1.9	0.39	0.13	mg/Kg	☼	10/30/15 13:38	1
Benzaldehyde	0.99	U J Q	1.9	0.99	0.34	mg/Kg	☼	10/30/15 13:38	1
1,1'-Biphenyl	9.9	U J	9.9	9.9	9.9	mg/Kg	☼	10/30/15 13:38	1
Bis(2-chloroethoxy)methane	0.39	U J	1.9	0.39	0.23	mg/Kg	☼	10/30/15 13:38	1
Bis(2-chloroethyl)ether	0.99	U J	1.9	0.99	0.26	mg/Kg	☼	10/30/15 13:38	1
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/30/15 13:38	1
Bis(2-ethylhexyl) phthalate	0.39	U J	1.9	0.39	0.17	mg/Kg	☼	10/30/15 13:38	1
4-Bromophenyl phenyl ether	0.39	U J	1.9	0.39	0.21	mg/Kg	☼	10/30/15 13:38	1
Butyl benzyl phthalate	0.39	U J	1.9	0.39	0.15	mg/Kg	☼	10/30/15 13:38	1
Caprolactam	0.99	U J	1.9	0.99	0.38	mg/Kg	☼	10/30/15 13:38	1
Carbazole	0.39	U J	1.9	0.39	0.17	mg/Kg	☼	10/30/15 13:38	1
4-Chloroaniline	0.99	U J	3.8	0.99	0.30	mg/Kg	☼	10/30/15 13:38	1
4-Chloro-3-methylphenol	0.39	U J	1.9	0.39	0.20	mg/Kg	☼	10/30/15 13:38	1
2-Chloronaphthalene	0.39	U J	1.9	0.39	0.20	mg/Kg	☼	10/30/15 13:38	1
2-Chlorophenol	0.39	U J	1.9	0.39	0.23	mg/Kg	☼	10/30/15 13:38	1
4-Chlorophenyl phenyl ether	0.39	U J Q	1.9	0.39	0.26	mg/Kg	☼	10/30/15 13:38	1
Dibenzofuran	0.39	U J Q	1.9	0.39	0.19	mg/Kg	☼	10/30/15 13:38	1
3,3'-Dichlorobenzidine	0.39	U J	3.8	0.39	0.16	mg/Kg	☼	10/30/15 13:38	1
2,4-Dichlorophenol	0.39	U J	1.9	0.39	0.20	mg/Kg	☼	10/30/15 13:38	1
Diethyl phthalate	0.39	U J Q	1.9	0.39	0.21	mg/Kg	☼	10/30/15 13:38	1
2,4-Dimethylphenol	0.99	U J	1.9	0.99	0.26	mg/Kg	☼	10/30/15 13:38	1
Dimethyl phthalate	0.39	U J Q	1.9	0.39	0.20	mg/Kg	☼	10/30/15 13:38	1
Di-n-butyl phthalate	0.39	U J	1.9	0.39	0.17	mg/Kg	☼	10/30/15 13:38	1
2-Methyl-4,6-dinitrophenol	1.9	U J	9.9	1.9	0.99	mg/Kg	☼	10/30/15 13:38	1
2,4-Dinitrophenol	7.5	U J	9.9	7.5	4.8	mg/Kg	☼	10/30/15 13:38	1

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.99	U J Q	1.9	0.99	0.28	mg/Kg	☼	10/30/15 13:38	1
2,6-Dinitrotoluene	0.39	U J	1.9	0.39	0.24	mg/Kg	☼	10/30/15 13:38	1
Di-n-octyl phthalate	0.39	U J	1.9	0.39	0.17	mg/Kg	☼	10/30/15 13:38	1
1,4-Dioxane	1.9	U	1.9	1.9	0.70	mg/Kg	☼	10/30/15 13:38	1
Hexachlorobenzene	0.39	U J	1.9	0.39	0.23	mg/Kg	☼	10/30/15 13:38	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/30/15 13:38	1
Hexachlorocyclopentadiene	0.39	U J Q	1.9	0.39	0.24	mg/Kg	☼	10/30/15 13:38	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/30/15 13:38	1
Isophorone	0.39	U J	1.9	0.39	0.19	mg/Kg	☼	10/30/15 13:38	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/30/15 13:38	1
3 & 4 Methylphenol	0.39	U J	1.9	0.39	0.25	mg/Kg	☼	10/30/15 13:38	1
2-Nitroaniline	0.39	U J Q	9.9	0.39	0.26	mg/Kg	☼	10/30/15 13:38	1
3-Nitroaniline	0.99	U	9.9	0.99	0.27	mg/Kg	☼	10/30/15 13:38	1
4-Nitroaniline	0.99	U Q	9.9	0.99	0.28	mg/Kg	☼	10/30/15 13:38	1
Nitrobenzene	0.39	U J	1.9	0.39	0.15	mg/Kg	☼	10/30/15 13:38	1
2-Nitrophenol	0.39	U J	1.9	0.39	0.24	mg/Kg	☼	10/30/15 13:38	1
4-Nitrophenol	3.9	U J	9.9	3.9	1.9	mg/Kg	☼	10/30/15 13:38	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/30/15 13:38	1
N-Nitrosodiphenylamine	0.48	U J	1.9	0.48	0.19	mg/Kg	☼	10/30/15 13:38	1
Pentachlorophenol	3.9	U J	9.9	3.9	1.9	mg/Kg	☼	10/30/15 13:38	1
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/30/15 13:38	1
1,2,4,5-Tetrachlorobenzene	0.39	U J	1.9	0.39	0.18	mg/Kg	☼	10/30/15 13:38	1
2,3,4,6-Tetrachlorophenol	0.39	U J	1.9	0.39	0.13	mg/Kg	☼	10/30/15 13:38	1
2,4,5-Trichlorophenol	0.39	U J	1.9	0.39	0.20	mg/Kg	☼	10/30/15 13:38	1
2,4,6-Trichlorophenol	0.39	U J	1.9	0.39	0.17	mg/Kg	☼	10/30/15 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*58 - 130*	*10/23/15 12:45*	*10/30/15 13:38*	*1*
2-Fluorophenol (Surr)	*56*		*40 - 130*	*10/23/15 12:45*	*10/30/15 13:38*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*	*10/23/15 12:45*	*10/30/15 13:38*	*1*
Phenol-d5 (Surr)	*65*		*49 - 130*	*10/23/15 12:45*	*10/30/15 13:38*	*1*
Terphenyl-d14 (Surr)	*67*		*60 - 130*	*10/23/15 12:45*	*10/30/15 13:38*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/23/15 12:45*	*10/30/15 13:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/03/15 19:28	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/03/15 19:28	1
Benzaldehyde	0.99	U H	1.9	0.99	0.34	mg/Kg	☼	11/03/15 19:28	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	11/03/15 19:28	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/03/15 19:28	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/03/15 19:28	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/03/15 19:28	1
Bis(2-ethylhexyl) phthalate	**0.26**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/03/15 19:28	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/03/15 19:28	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/03/15 19:28	1
Caprolactam	0.99	U H	1.9	0.99	0.38	mg/Kg	☼	11/03/15 19:28	1
Carbazole	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/03/15 19:28	1
4-Chloroaniline	0.99	U H	3.8	0.99	0.30	mg/Kg	☼	11/03/15 19:28	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/03/15 19:28	1

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/03/15 19:28	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/03/15 19:28	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	11/03/15 19:28	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/03/15 19:28	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	11/03/15 19:28	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/03/15 19:28	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/03/15 19:28	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/03/15 19:28	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/03/15 19:28	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/03/15 19:28	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	11/03/15 19:28	1
2,4-Dinitrophenol	7.6	U H	9.9	7.6	4.8	mg/Kg	☼	11/03/15 19:28	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.28	mg/Kg	☼	11/03/15 19:28	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/03/15 19:28	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/03/15 19:28	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.70	mg/Kg	☼	11/03/15 19:28	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/03/15 19:28	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/03/15 19:28	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/03/15 19:28	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/03/15 19:28	1
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/03/15 19:28	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/03/15 19:28	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/03/15 19:28	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	11/03/15 19:28	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	11/03/15 19:28	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.28	mg/Kg	☼	11/03/15 19:28	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/03/15 19:28	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/03/15 19:28	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/03/15 19:28	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/03/15 19:28	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/03/15 19:28	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/03/15 19:28	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/03/15 19:28	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/03/15 19:28	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/03/15 19:28	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/03/15 19:28	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/03/15 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/28/15 15:25*	*11/03/15 19:28*	*1*
2-Fluorophenol (Surr)	*63*		*40 - 130*	*10/28/15 15:25*	*11/03/15 19:28*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 130*	*10/28/15 15:25*	*11/03/15 19:28*	*1*
Phenol-d5 (Surr)	*70*		*49 - 130*	*10/28/15 15:25*	*11/03/15 19:28*	*1*
Terphenyl-d14 (Surr)	*74*		*60 - 130*	*10/28/15 15:25*	*11/03/15 19:28*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*58 - 130*	*10/28/15 15:25*	*11/03/15 19:28*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**13000**	**D**	86	17	2.7	mg/Kg	☼	10/27/15 12:01	10
Antimony	**0.14**	**J D**	1.7	0.64	0.060	mg/Kg	☼	10/27/15 12:01	10

Client Sample ID: AOPSH301

Lab Sample ID: 680-117942-53

Date Collected: 10/12/15 17:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 85.7

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	1.2	J D	4.3	0.64	0.11	mg/Kg	☼	10/27/15 12:01	10
Barium	96	D	4.3	1.3	0.94	mg/Kg	☼	10/27/15 12:01	10
Beryllium	0.20	J D	0.86	0.43	0.047	mg/Kg	☼	10/27/15 12:01	10
Cadmium	0.28	J D	1.7	0.043	0.016	mg/Kg	☼	10/27/15 12:01	10
Calcium	11000	D	1700	430	94	mg/Kg	☼	10/27/15 12:01	10
Chromium	430	D	4.3	1.9	0.26	mg/Kg	☼	10/27/15 12:01	10
Cobalt	53	D	0.86	0.064	0.0073	mg/Kg	☼	10/27/15 12:01	10
Copper	26	D	3.4	1.3	0.42	mg/Kg	☼	10/27/15 12:01	10
Iron	36000	D J	430	130	14	mg/Kg	☼	10/27/15 12:01	10
Lead	11	D	2.6	0.86	0.19	mg/Kg	☼	10/27/15 12:01	10
Magnesium	85000	J D	4300	540	86	mg/Kg	☼	10/27/15 15:26	50
Manganese	510	D	4.3	1.7	0.51	mg/Kg	☼	10/27/15 12:01	10
Nickel	1100	D	4.3	1.1	0.17	mg/Kg	☼	10/27/15 12:01	10
Potassium	1000	D	860	43	21	mg/Kg	☼	10/27/15 12:01	10
Selenium	0.50	J D	4.3	0.26	0.17	mg/Kg	☼	10/27/15 12:01	10
Silver	0.031	J D	0.86	0.21	0.0060	mg/Kg	☼	10/27/15 12:01	10
Sodium	69	J D	860	170	37	mg/Kg	☼	10/27/15 12:01	10
Thallium	0.64	U	1.7	0.64	0.081	mg/Kg	☼	10/27/15 12:01	10
V	49	D	4.3	0.43	0.16	mg/Kg	☼	10/27/15 12:01	10
Zinc	69	D	34	8.6	2.1	mg/Kg	☼	10/27/15 12:01	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.018	J	0.13	0.043	0.018	mg/Kg	☼	10/22/15 09:47	1

Client Sample ID: AOPSH401

Lab Sample ID: 680-117942-54

Date Collected: 10/12/15 17:15
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 84.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Acenaphthylene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Benzo[a]anthracene	0.087		0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Benzo[a]pyrene	0.13		0.041	0.020	0.0074	mg/Kg	☼	10/28/15 19:26	1
Benzo[b]fluoranthene	0.17		0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Benzo[g,h,i]perylene	0.065		0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Benzo[k]fluoranthene	0.077	M	0.041	0.020	0.012	mg/Kg	☼	10/28/15 19:26	1
Chrysene	0.15		0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Fluoranthene	0.12		0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Fluorene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Indeno[1,2,3-cd]pyrene	0.066		0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Dibenz(a,h)anthracene	0.021	J	0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Naphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
Phenanthrene	0.050		0.041	0.020	0.015	mg/Kg	☼	10/28/15 19:26	1
Pyrene	0.10		0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1
1-Methylnaphthalene	0.020	U	0.041	0.020	0.019	mg/Kg	☼	10/28/15 19:26	1
2-Methylnaphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 19:26	1

Client Sample ID: AOPSH401

Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54

Matrix: Solid
Percent Solids: 84.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		36 - 131	10/24/15 09:57	10/28/15 19:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U	1.9	0.39	0.16	mg/Kg	☼	11/06/15 14:36	1
Atrazine	0.39	U	1.9	0.39	0.13	mg/Kg	☼	11/06/15 14:36	1
Benzaldehyde	0.99	U	1.9	0.99	0.34	mg/Kg	☼	11/06/15 14:36	1
1,1'-Biphenyl	9.9	U	9.9	9.9	9.9	mg/Kg	☼	11/06/15 14:36	1
Bis(2-chloroethoxy)methane	0.39	U	1.9	0.39	0.23	mg/Kg	☼	11/06/15 14:36	1
Bis(2-chloroethyl)ether	0.99	U	1.9	0.99	0.26	mg/Kg	☼	11/06/15 14:36	1
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/06/15 14:36	1
Bis(2-ethylhexyl) phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/06/15 14:36	1
4-Bromophenyl phenyl ether	0.39	U	1.9	0.39	0.21	mg/Kg	☼	11/06/15 14:36	1
Butyl benzyl phthalate	0.39	U	1.9	0.39	0.15	mg/Kg	☼	11/06/15 14:36	1
Caprolactam	0.99	U	1.9	0.99	0.38	mg/Kg	☼	11/06/15 14:36	1
Carbazole	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/06/15 14:36	1
4-Chloroaniline	0.99	U	3.8	0.99	0.30	mg/Kg	☼	11/06/15 14:36	1
4-Chloro-3-methylphenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/06/15 14:36	1
2-Chloronaphthalene	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/06/15 14:36	1
2-Chlorophenol	0.39	U	1.9	0.39	0.23	mg/Kg	☼	11/06/15 14:36	1
4-Chlorophenyl phenyl ether	0.39	U	1.9	0.39	0.26	mg/Kg	☼	11/06/15 14:36	1
Dibenzofuran	0.39	U	1.9	0.39	0.19	mg/Kg	☼	11/06/15 14:36	1
3,3'-Dichlorobenzidine	0.39	U	3.8	0.39	0.16	mg/Kg	☼	11/06/15 14:36	1
2,4-Dichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/06/15 14:36	1
Diethyl phthalate	0.39	U	1.9	0.39	0.22	mg/Kg	☼	11/06/15 14:36	1
2,4-Dimethylphenol	0.99	U	1.9	0.99	0.26	mg/Kg	☼	11/06/15 14:36	1
Dimethyl phthalate	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/06/15 14:36	1
Di-n-butyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/06/15 14:36	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.9	1.9	0.99	mg/Kg	☼	11/06/15 14:36	1
2,4-Dinitrophenol	7.6	U	9.9	7.6	4.8	mg/Kg	☼	11/06/15 14:36	1
2,4-Dinitrotoluene	0.99	U	1.9	0.99	0.29	mg/Kg	☼	11/06/15 14:36	1
2,6-Dinitrotoluene	0.39	U	1.9	0.39	0.24	mg/Kg	☼	11/06/15 14:36	1
Di-n-octyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/06/15 14:36	1
1,4-Dioxane	1.9	U	1.9	1.9	0.70	mg/Kg	☼	11/06/15 14:36	1
Hexachlorobenzene	0.39	U	1.9	0.39	0.23	mg/Kg	☼	11/06/15 14:36	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	11/06/15 14:36	1
Hexachlorocyclopentadiene	0.39	U Q	1.9	0.39	0.24	mg/Kg	☼	11/06/15 14:36	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	11/06/15 14:36	1
Isophorone	0.39	U	1.9	0.39	0.19	mg/Kg	☼	11/06/15 14:36	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	11/06/15 14:36	1
3 & 4 Methylphenol	0.39	U	1.9	0.39	0.25	mg/Kg	☼	11/06/15 14:36	1
2-Nitroaniline	0.39	U	9.9	0.39	0.26	mg/Kg	☼	11/06/15 14:36	1
3-Nitroaniline	0.99	U	9.9	0.99	0.27	mg/Kg	☼	11/06/15 14:36	1
4-Nitroaniline	0.99	U	9.9	0.99	0.29	mg/Kg	☼	11/06/15 14:36	1
Nitrobenzene	0.39	U	1.9	0.39	0.15	mg/Kg	☼	11/06/15 14:36	1
2-Nitrophenol	0.39	U	1.9	0.39	0.24	mg/Kg	☼	11/06/15 14:36	1
4-Nitrophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	11/06/15 14:36	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	11/06/15 14:36	1
N-Nitrosodiphenylamine	0.48	U	1.9	0.48	0.19	mg/Kg	☼	11/06/15 14:36	1
Pentachlorophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	11/06/15 14:36	1

Client Sample ID: AOPSH401

Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54

Matrix: Solid
Percent Solids: 84.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/06/15 14:36	1
1,2,4,5-Tetrachlorobenzene	0.39	U	1.9	0.39	0.18	mg/Kg	☼	11/06/15 14:36	1
2,3,4,6-Tetrachlorophenol	0.39	U	1.9	0.39	0.13	mg/Kg	☼	11/06/15 14:36	1
2,4,5-Trichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	11/06/15 14:36	1
2,4,6-Trichlorophenol	0.39	U	1.9	0.39	0.17	mg/Kg	☼	11/06/15 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*58 - 130*	*10/24/15 08:26*	*11/06/15 14:36*	*1*
2-Fluorophenol (Surr)	*65*		*40 - 130*	*10/24/15 08:26*	*11/06/15 14:36*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 130*	*10/24/15 08:26*	*11/06/15 14:36*	*1*
Phenol-d5 (Surr)	*67*		*49 - 130*	*10/24/15 08:26*	*11/06/15 14:36*	*1*
Terphenyl-d14 (Surr)	*80*		*60 - 130*	*10/24/15 08:26*	*11/06/15 14:36*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*58 - 130*	*10/24/15 08:26*	*11/06/15 14:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.42	U H	2.1	0.42	0.17	mg/Kg	☼	11/04/15 23:21	1
Atrazine	0.42	U H	2.1	0.42	0.14	mg/Kg	☼	11/04/15 23:21	1
Benzaldehyde	1.1	U H	2.1	1.1	0.36	mg/Kg	☼	11/04/15 23:21	1
1,1'-Biphenyl	11	U H	11	11	11	mg/Kg	☼	11/04/15 23:21	1
Bis(2-chloroethoxy)methane	0.42	U H	2.1	0.42	0.24	mg/Kg	☼	11/04/15 23:21	1
Bis(2-chloroethyl)ether	1.1	U H	2.1	1.1	0.28	mg/Kg	☼	11/04/15 23:21	1
bis (2-chloroisopropyl) ether	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	11/04/15 23:21	1
Bis(2-ethylhexyl) phthalate	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	11/04/15 23:21	1
4-Bromophenyl phenyl ether	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	11/04/15 23:21	1
Butyl benzyl phthalate	0.42	U H	2.1	0.42	0.16	mg/Kg	☼	11/04/15 23:21	1
Caprolactam	1.1	U H	2.1	1.1	0.41	mg/Kg	☼	11/04/15 23:21	1
Carbazole	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	11/04/15 23:21	1
4-Chloroaniline	1.1	U H	4.1	1.1	0.32	mg/Kg	☼	11/04/15 23:21	1
4-Chloro-3-methylphenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	11/04/15 23:21	1
2-Chloronaphthalene	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	11/04/15 23:21	1
2-Chlorophenol	0.42	U H	2.1	0.42	0.25	mg/Kg	☼	11/04/15 23:21	1
4-Chlorophenyl phenyl ether	0.42	U H	2.1	0.42	0.27	mg/Kg	☼	11/04/15 23:21	1
Dibenzofuran	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	11/04/15 23:21	1
3,3'-Dichlorobenzidine	0.42	U H	4.1	0.42	0.17	mg/Kg	☼	11/04/15 23:21	1
2,4-Dichlorophenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	11/04/15 23:21	1
Diethyl phthalate	0.42	U H	2.1	0.42	0.23	mg/Kg	☼	11/04/15 23:21	1
2,4-Dimethylphenol	1.1	U H	2.1	1.1	0.27	mg/Kg	☼	11/04/15 23:21	1
Dimethyl phthalate	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	11/04/15 23:21	1
Di-n-butyl phthalate	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	11/04/15 23:21	1
2-Methyl-4,6-dinitrophenol	2.1	U H	11	2.1	1.1	mg/Kg	☼	11/04/15 23:21	1
2,4-Dinitrophenol	8.1	U H	11	8.1	5.2	mg/Kg	☼	11/04/15 23:21	1
2,4-Dinitrotoluene	1.1	U H	2.1	1.1	0.30	mg/Kg	☼	11/04/15 23:21	1
2,6-Dinitrotoluene	0.42	U H	2.1	0.42	0.26	mg/Kg	☼	11/04/15 23:21	1
Di-n-octyl phthalate	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	11/04/15 23:21	1
1,4-Dioxane	2.1	U H	2.1	2.1	0.75	mg/Kg	☼	11/04/15 23:21	1
Hexachlorobenzene	0.42	U H	2.1	0.42	0.24	mg/Kg	☼	11/04/15 23:21	1
Hexachlorobutadiene	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	11/04/15 23:21	1
Hexachlorocyclopentadiene	0.42	U H	2.1	0.42	0.26	mg/Kg	☼	11/04/15 23:21	1
Hexachloroethane	0.42	U H	2.1	0.42	0.17	mg/Kg	☼	11/04/15 23:21	1

Client Sample ID: AOPSH401

Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54

Matrix: Solid
Percent Solids: 84.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isophorone	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	11/04/15 23:21	1
2-Methylphenol	0.42	U H	2.1	0.42	0.17	mg/Kg	☼	11/04/15 23:21	1
3 & 4 Methylphenol	0.42	U H	2.1	0.42	0.27	mg/Kg	☼	11/04/15 23:21	1
2-Nitroaniline	0.42	U H	11	0.42	0.28	mg/Kg	☼	11/04/15 23:21	1
3-Nitroaniline	1.1	U H	11	1.1	0.29	mg/Kg	☼	11/04/15 23:21	1
4-Nitroaniline	1.1	U H	11	1.1	0.30	mg/Kg	☼	11/04/15 23:21	1
Nitrobenzene	0.42	U H	2.1	0.42	0.16	mg/Kg	☼	11/04/15 23:21	1
2-Nitrophenol	0.42	U H	2.1	0.42	0.26	mg/Kg	☼	11/04/15 23:21	1
4-Nitrophenol	4.2	U H	11	4.2	2.1	mg/Kg	☼	11/04/15 23:21	1
N-Nitrosodi-n-propylamine	0.42	U H	2.1	0.42	0.20	mg/Kg	☼	11/04/15 23:21	1
N-Nitrosodiphenylamine	0.52	U H	2.1	0.52	0.21	mg/Kg	☼	11/04/15 23:21	1
Pentachlorophenol	4.2	U H	11	4.2	2.1	mg/Kg	☼	11/04/15 23:21	1
Phenol	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	11/04/15 23:21	1
1,2,4,5-Tetrachlorobenzene	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	11/04/15 23:21	1
2,3,4,6-Tetrachlorophenol	0.42	U H	2.1	0.42	0.14	mg/Kg	☼	11/04/15 23:21	1
2,4,5-Trichlorophenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	11/04/15 23:21	1
2,4,6-Trichlorophenol	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	11/04/15 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 23:21*	*1*
2-Fluorophenol (Surr)	*50*		*40 - 130*	*11/03/15 16:47*	*11/04/15 23:21*	*1*
Nitrobenzene-d5 (Surr)	*54*		*46 - 130*	*11/03/15 16:47*	*11/04/15 23:21*	*1*
Phenol-d5 (Surr)	*48*	*Q*	*49 - 130*	*11/03/15 16:47*	*11/04/15 23:21*	*1*
Terphenyl-d14 (Surr)	*53*	*Q*	*60 - 130*	*11/03/15 16:47*	*11/04/15 23:21*	*1*
2,4,6-Tribromophenol (Surr)	*56*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 23:21*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**19000**	**D**	100	20	3.1	mg/Kg	☼	10/24/15 18:33	10
Antimony	**0.14**	**J D**	2.0	0.75	0.070	mg/Kg	☼	10/24/15 18:33	10
Arsenic	**1.1**	**J D**	5.0	0.75	0.13	mg/Kg	☼	10/24/15 18:33	10
Barium	**27**	**D**	5.0	1.5	1.1	mg/Kg	☼	10/24/15 18:33	10
Beryllium	**0.18**	**J D**	1.0	0.50	0.055	mg/Kg	☼	10/24/15 18:33	10
Cadmium	**0.45**	**J D**	2.0	0.050	0.019	mg/Kg	☼	10/24/15 18:33	10
Calcium	**18000**	**D**	2000	500	110	mg/Kg	☼	10/24/15 18:33	10
Chromium	**500**	**D**	5.0	2.3	0.30	mg/Kg	☼	10/24/15 18:33	10
Cobalt	**62**	**D**	1.0	0.075	0.0085	mg/Kg	☼	10/24/15 18:33	10
Copper	**39**	**D**	4.0	1.5	0.49	mg/Kg	☼	10/24/15 18:33	10
Iron	**43000**	**D**	500	150	16	mg/Kg	☼	10/24/15 18:33	10
Lead	**34**	**D**	3.0	1.0	0.23	mg/Kg	☼	10/24/15 18:33	10
Magnesium	**85000**	**D**	2000	250	40	mg/Kg	☼	10/22/15 20:57	20
Manganese	**680**	**D**	5.0	2.0	0.60	mg/Kg	☼	10/24/15 18:33	10
Nickel	**1200**	**D**	5.0	1.3	0.20	mg/Kg	☼	10/24/15 18:33	10
Potassium	**1300**	**D**	1000	50	25	mg/Kg	☼	10/24/15 18:33	10
Selenium	**0.40**	**J D**	5.0	0.30	0.20	mg/Kg	☼	10/24/15 18:33	10
Silver	**0.040**	**J D**	1.0	0.25	0.0070	mg/Kg	☼	10/24/15 18:33	10
Sodium	**89**	**J D**	1000	200	44	mg/Kg	☼	10/24/15 18:33	10
Thallium	0.75	U	2.0	0.75	0.095	mg/Kg	☼	10/24/15 18:33	10
V	**67**	**D**	5.0	0.50	0.19	mg/Kg	☼	10/24/15 18:33	10
Zinc	**61**	**D**	40	10	2.5	mg/Kg	☼	10/24/15 18:33	10

Client Sample ID: AOPSH401

Lab Sample ID: 680-117942-54
Date Collected: 10/12/15 17:15
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 84.6

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.025**	**J**	0.12	0.038	0.016	mg/Kg	☼	10/23/15 17:39	1

Client Sample ID: AOPSH501

Lab Sample ID: 680-117942-55
Date Collected: 10/12/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.4

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Acenaphthylene	0.19	U	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Anthracene	0.19	U	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Benzo[a]anthracene	**0.33**	**D**	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Benzo[a]pyrene	**0.56**	**D**	0.19	0.095	0.035	mg/Kg	☼	10/29/15 20:10	5
Benzo[b]fluoranthene	**1.2**	**D**	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Benzo[g,h,i]perylene	**0.38**	**D**	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Benzo[k]fluoranthene	0.095	U	0.19	0.095	0.058	mg/Kg	☼	10/29/15 20:10	5
Chrysene	**0.48**	**D**	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Fluoranthene	**0.53**	**D**	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Fluorene	0.19	U	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Indeno[1,2,3-cd]pyrene	**0.30**	**D**	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Dibenz(a,h)anthracene	0.19	U	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Naphthalene	0.19	U	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
Phenanthrene	**0.16**	**J D**	0.19	0.095	0.069	mg/Kg	☼	10/29/15 20:10	5
Pyrene	**0.47**	**D**	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5
1-Methylnaphthalene	0.095	U	0.19	0.095	0.090	mg/Kg	☼	10/29/15 20:10	5
2-Methylnaphthalene	0.19	U	0.19	0.19	0.095	mg/Kg	☼	10/29/15 20:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*36 - 131*	*10/24/15 09:57*	*10/29/15 20:10*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:11	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	11/02/15 00:11	1
Benzaldehyde	0.95	U Q	1.8	0.95	0.32	mg/Kg	☼	11/02/15 00:11	1
1,1'-Biphenyl	9.5	U	9.5	9.5	9.5	mg/Kg	☼	11/02/15 00:11	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 00:11	1
Bis(2-chloroethyl)ether	0.95	U	1.8	0.95	0.25	mg/Kg	☼	11/02/15 00:11	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:11	1
Bis(2-ethylhexyl) phthalate	**0.27**	**J**	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:11	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:11	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/02/15 00:11	1
Caprolactam	0.95	U	1.8	0.95	0.37	mg/Kg	☼	11/02/15 00:11	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:11	1
4-Chloroaniline	0.95	U	3.7	0.95	0.29	mg/Kg	☼	11/02/15 00:11	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:11	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:11	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 00:11	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.25	mg/Kg	☼	11/02/15 00:11	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 00:11	1

Client Sample ID: AOPSH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-55

Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.37	U	3.7	0.37	0.16	mg/Kg	☼	11/02/15 00:11	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:11	1
Diethyl phthalate	0.37	U	1.8	0.37	0.21	mg/Kg	☼	11/02/15 00:11	1
2,4-Dimethylphenol	0.95	U	1.8	0.95	0.25	mg/Kg	☼	11/02/15 00:11	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 00:11	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:11	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.5	1.8	0.95	mg/Kg	☼	11/02/15 00:11	1
2,4-Dinitrophenol	7.3	U	9.5	7.3	4.6	mg/Kg	☼	11/02/15 00:11	1
2,4-Dinitrotoluene	0.95	U	1.8	0.95	0.27	mg/Kg	☼	11/02/15 00:11	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/02/15 00:11	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:11	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.67	mg/Kg	☼	11/02/15 00:11	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 00:11	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:11	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	11/02/15 00:11	1
Hexachloroethane	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:11	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 00:11	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/02/15 00:11	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/02/15 00:11	1
2-Nitroaniline	0.37	U	9.5	0.37	0.25	mg/Kg	☼	11/02/15 00:11	1
3-Nitroaniline	0.95	U	9.5	0.95	0.26	mg/Kg	☼	11/02/15 00:11	1
4-Nitroaniline	0.95	U	9.5	0.95	0.27	mg/Kg	☼	11/02/15 00:11	1
Nitrobenzene	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/02/15 00:11	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/02/15 00:11	1
4-Nitrophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/02/15 00:11	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 00:11	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	11/02/15 00:11	1
Pentachlorophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/02/15 00:11	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 00:11	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:11	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	11/02/15 00:11	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:11	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*47*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/02/15 00:11*	*1*
2-Fluorophenol (Surr)	*44*		*40 - 130*	*10/24/15 08:26*	*11/02/15 00:11*	*1*
Nitrobenzene-d5 (Surr)	*48*		*46 - 130*	*10/24/15 08:26*	*11/02/15 00:11*	*1*
Phenol-d5 (Surr)	*45*	*Q*	*49 - 130*	*10/24/15 08:26*	*11/02/15 00:11*	*1*
Terphenyl-d14 (Surr)	*50*	*Q*	*60 - 130*	*10/24/15 08:26*	*11/02/15 00:11*	*1*
2,4,6-Tribromophenol (Surr)	*50*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/02/15 00:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.42	U H	2.0	0.42	0.17	mg/Kg	☼	11/04/15 23:45	1
Atrazine	0.42	U H	2.0	0.42	0.14	mg/Kg	☼	11/04/15 23:45	1
Benzaldehyde	1.1	U H	2.0	1.1	0.36	mg/Kg	☼	11/04/15 23:45	1
1,1'-Biphenyl	11	U H	11	11	11	mg/Kg	☼	11/04/15 23:45	1
Bis(2-chloroethoxy)methane	0.42	U H	2.0	0.42	0.24	mg/Kg	☼	11/04/15 23:45	1
Bis(2-chloroethyl)ether	1.1	U H	2.0	1.1	0.28	mg/Kg	☼	11/04/15 23:45	1

Client Sample ID: AOPSH501
Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-55
Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.42	U H	2.0	0.42	0.19	mg/Kg	☼	11/04/15 23:45	1
Bis(2-ethylhexyl) phthalate	**0.62**	**J H**	2.0	0.42	0.18	mg/Kg	☼	11/04/15 23:45	1
4-Bromophenyl phenyl ether	0.42	U H	2.0	0.42	0.22	mg/Kg	☼	11/04/15 23:45	1
Butyl benzyl phthalate	0.42	U H	2.0	0.42	0.16	mg/Kg	☼	11/04/15 23:45	1
Caprolactam	1.1	U H	2.0	1.1	0.41	mg/Kg	☼	11/04/15 23:45	1
Carbazole	0.42	U H	2.0	0.42	0.19	mg/Kg	☼	11/04/15 23:45	1
4-Chloroaniline	1.1	U H	4.1	1.1	0.32	mg/Kg	☼	11/04/15 23:45	1
4-Chloro-3-methylphenol	0.42	U H	2.0	0.42	0.22	mg/Kg	☼	11/04/15 23:45	1
2-Chloronaphthalene	0.42	U H	2.0	0.42	0.22	mg/Kg	☼	11/04/15 23:45	1
2-Chlorophenol	0.42	U H	2.0	0.42	0.25	mg/Kg	☼	11/04/15 23:45	1
4-Chlorophenyl phenyl ether	0.42	U H	2.0	0.42	0.27	mg/Kg	☼	11/04/15 23:45	1
Dibenzofuran	0.42	U H	2.0	0.42	0.20	mg/Kg	☼	11/04/15 23:45	1
3,3'-Dichlorobenzidine	0.42	U H	4.1	0.42	0.17	mg/Kg	☼	11/04/15 23:45	1
2,4-Dichlorophenol	0.42	U H	2.0	0.42	0.22	mg/Kg	☼	11/04/15 23:45	1
Diethyl phthalate	0.42	U H	2.0	0.42	0.23	mg/Kg	☼	11/04/15 23:45	1
2,4-Dimethylphenol	1.1	U H	2.0	1.1	0.27	mg/Kg	☼	11/04/15 23:45	1
Dimethyl phthalate	0.42	U H	2.0	0.42	0.21	mg/Kg	☼	11/04/15 23:45	1
Di-n-butyl phthalate	0.42	U H	2.0	0.42	0.19	mg/Kg	☼	11/04/15 23:45	1
2-Methyl-4,6-dinitrophenol	2.0	U H	11	2.0	1.1	mg/Kg	☼	11/04/15 23:45	1
2,4-Dinitrophenol	8.1	U H	11	8.1	5.1	mg/Kg	☼	11/04/15 23:45	1
2,4-Dinitrotoluene	1.1	U H	2.0	1.1	0.30	mg/Kg	☼	11/04/15 23:45	1
2,6-Dinitrotoluene	0.42	U H	2.0	0.42	0.26	mg/Kg	☼	11/04/15 23:45	1
Di-n-octyl phthalate	0.42	U H	2.0	0.42	0.18	mg/Kg	☼	11/04/15 23:45	1
1,4-Dioxane	2.0	U H	2.0	2.0	0.74	mg/Kg	☼	11/04/15 23:45	1
Hexachlorobenzene	0.42	U H	2.0	0.42	0.24	mg/Kg	☼	11/04/15 23:45	1
Hexachlorobutadiene	0.42	U H	2.0	0.42	0.22	mg/Kg	☼	11/04/15 23:45	1
Hexachlorocyclopentadiene	0.42	U H	2.0	0.42	0.25	mg/Kg	☼	11/04/15 23:45	1
Hexachloroethane	0.42	U H	2.0	0.42	0.17	mg/Kg	☼	11/04/15 23:45	1
Isophorone	0.42	U H	2.0	0.42	0.20	mg/Kg	☼	11/04/15 23:45	1
2-Methylphenol	0.42	U H	2.0	0.42	0.17	mg/Kg	☼	11/04/15 23:45	1
3 & 4 Methylphenol	0.42	U H	2.0	0.42	0.27	mg/Kg	☼	11/04/15 23:45	1
2-Nitroaniline	0.42	U H	11	0.42	0.28	mg/Kg	☼	11/04/15 23:45	1
3-Nitroaniline	1.1	U H	11	1.1	0.29	mg/Kg	☼	11/04/15 23:45	1
4-Nitroaniline	1.1	U H	11	1.1	0.30	mg/Kg	☼	11/04/15 23:45	1
Nitrobenzene	0.42	U H	2.0	0.42	0.16	mg/Kg	☼	11/04/15 23:45	1
2-Nitrophenol	0.42	U H	2.0	0.42	0.25	mg/Kg	☼	11/04/15 23:45	1
4-Nitrophenol	4.2	U H	11	4.2	2.0	mg/Kg	☼	11/04/15 23:45	1
N-Nitrosodi-n-propylamine	0.42	U H	2.0	0.42	0.20	mg/Kg	☼	11/04/15 23:45	1
N-Nitrosodiphenylamine	0.51	U H	2.0	0.51	0.20	mg/Kg	☼	11/04/15 23:45	1
Pentachlorophenol	4.2	U H	11	4.2	2.0	mg/Kg	☼	11/04/15 23:45	1
Phenol	0.42	U H	2.0	0.42	0.21	mg/Kg	☼	11/04/15 23:45	1
1,2,4,5-Tetrachlorobenzene	0.42	U H	2.0	0.42	0.19	mg/Kg	☼	11/04/15 23:45	1
2,3,4,6-Tetrachlorophenol	0.42	U H	2.0	0.42	0.14	mg/Kg	☼	11/04/15 23:45	1
2,4,5-Trichlorophenol	0.42	U H	2.0	0.42	0.22	mg/Kg	☼	11/04/15 23:45	1
2,4,6-Trichlorophenol	0.42	U H	2.0	0.42	0.18	mg/Kg	☼	11/04/15 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*	*Q*	*58 - 130*	*11/03/15 16:47*	*11/04/15 23:45*	*1*
2-Fluorophenol (Surr)	*44*		*40 - 130*	*11/03/15 16:47*	*11/04/15 23:45*	*1*
Nitrobenzene-d5 (Surr)	*50*		*46 - 130*	*11/03/15 16:47*	*11/04/15 23:45*	*1*

Client Sample ID: AOPSH501

Lab Sample ID: 680-117942-55

Date Collected: 10/12/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	56		49 - 130	11/03/15 16:47	11/04/15 23:45	1
Terphenyl-d14 (Surr)	55	Q	60 - 130	11/03/15 16:47	11/04/15 23:45	1
2,4,6-Tribromophenol (Surr)	59		58 - 130	11/03/15 16:47	11/04/15 23:45	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**13000**	**D**	100	20	3.2	mg/Kg	☼	10/27/15 13:37	10
Antimony	**0.71**	**J D**	2.0	0.77	0.072	mg/Kg	☼	10/27/15 13:37	10
Arsenic	**4.8**	**J D**	5.1	0.77	0.13	mg/Kg	☼	10/27/15 13:37	10
Barium	**39**	**D**	5.1	1.5	1.1	mg/Kg	☼	10/27/15 13:37	10
Beryllium	**0.22**	**J D**	1.0	0.51	0.056	mg/Kg	☼	10/27/15 13:37	10
Cadmium	**2.5**	**D**	2.0	0.051	0.019	mg/Kg	☼	10/27/15 13:37	10
Calcium	**140000**	**D**	20000	5100	1100	mg/Kg	☼	10/27/15 16:56	100
Chromium	**170**	**D**	5.1	2.3	0.31	mg/Kg	☼	10/27/15 13:37	10
Cobalt	**20**	**D**	1.0	0.077	0.0087	mg/Kg	☼	10/27/15 13:37	10
Copper	**70**	**D**	4.1	1.5	0.50	mg/Kg	☼	10/27/15 13:37	10
Iron	**24000**	**D**	510	150	16	mg/Kg	☼	10/27/15 13:37	10
Lead	**240**	**D**	3.1	1.0	0.23	mg/Kg	☼	10/27/15 13:37	10
Magnesium	**31000**	**D**	1000	130	20	mg/Kg	☼	10/27/15 13:37	10
Manganese	**430**	**D**	5.1	2.0	0.61	mg/Kg	☼	10/27/15 13:37	10
Nickel	**350**	**D**	5.1	1.3	0.20	mg/Kg	☼	10/27/15 13:37	10
Potassium	**1300**	**D**	1000	51	25	mg/Kg	☼	10/27/15 13:37	10
Selenium	**0.50**	**J D**	5.1	0.31	0.20	mg/Kg	☼	10/27/15 13:37	10
Silver	**0.91**	**J D**	1.0	0.26	0.0072	mg/Kg	☼	10/27/15 13:37	10
Sodium	**630**	**J D**	1000	200	45	mg/Kg	☼	10/27/15 13:37	10
Thallium	0.77	U	2.0	0.77	0.097	mg/Kg	☼	10/27/15 13:37	10
V	**64**	**D**	5.1	0.51	0.19	mg/Kg	☼	10/27/15 13:37	10
Zinc	**310**	**D**	41	10	2.6	mg/Kg	☼	10/27/15 13:37	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.042**	**J**	0.13	0.044	0.019	mg/Kg	☼	10/23/15 16:00	1

Client Sample ID: AOPCH501

Lab Sample ID: 680-117942-56

Date Collected: 10/12/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Acenaphthylene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Anthracene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Benzo[a]anthracene	**0.37**	**D**	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Benzo[a]pyrene	**0.56**	**D**	0.20	0.098	0.036	mg/Kg	☼	10/29/15 20:35	5
Benzo[b]fluoranthene	**0.97**	**D M**	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Benzo[g,h,i]perylene	**0.35**	**D**	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Benzo[k]fluoranthene	**0.37**	**D M**	0.20	0.098	0.060	mg/Kg	☼	10/29/15 20:35	5
Chrysene	**0.54**	**D**	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Fluoranthene	**0.72**	**D**	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Fluorene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5

Client Sample ID: AOPCH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-56

Matrix: Solid
Percent Solids: 86.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.28**	**D**	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Dibenz(a,h)anthracene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Naphthalene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
Phenanthrene	**0.26**	**D**	0.20	0.098	0.072	mg/Kg	☼	10/29/15 20:35	5
Pyrene	**0.55**	**D**	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5
1-Methylnaphthalene	0.098	U	0.20	0.098	0.092	mg/Kg	☼	10/29/15 20:35	5
2-Methylnaphthalene	0.20	U	0.20	0.20	0.098	mg/Kg	☼	10/29/15 20:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*36 - 131*	*10/24/15 09:57*	*10/29/15 20:35*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:36	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	11/02/15 00:36	1
Benzaldehyde	0.95	U Q	1.8	0.95	0.32	mg/Kg	☼	11/02/15 00:36	1
1,1'-Biphenyl	9.5	U	9.5	9.5	9.5	mg/Kg	☼	11/02/15 00:36	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 00:36	1
Bis(2-chloroethyl)ether	0.95	U	1.8	0.95	0.25	mg/Kg	☼	11/02/15 00:36	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:36	1
Bis(2-ethylhexyl) phthalate	**0.22**	**J**	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:36	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:36	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/02/15 00:36	1
Caprolactam	0.95	U	1.8	0.95	0.37	mg/Kg	☼	11/02/15 00:36	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:36	1
4-Chloroaniline	0.95	U	3.7	0.95	0.29	mg/Kg	☼	11/02/15 00:36	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:36	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:36	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 00:36	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.25	mg/Kg	☼	11/02/15 00:36	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 00:36	1
3,3'-Dichlorobenzidine	0.37	U	3.7	0.37	0.16	mg/Kg	☼	11/02/15 00:36	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:36	1
Diethyl phthalate	0.37	U	1.8	0.37	0.21	mg/Kg	☼	11/02/15 00:36	1
2,4-Dimethylphenol	0.95	U	1.8	0.95	0.25	mg/Kg	☼	11/02/15 00:36	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 00:36	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:36	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.5	1.8	0.95	mg/Kg	☼	11/02/15 00:36	1
2,4-Dinitrophenol	7.2	U	9.5	7.2	4.6	mg/Kg	☼	11/02/15 00:36	1
2,4-Dinitrotoluene	0.95	U	1.8	0.95	0.27	mg/Kg	☼	11/02/15 00:36	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/02/15 00:36	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:36	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.67	mg/Kg	☼	11/02/15 00:36	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 00:36	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:36	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	11/02/15 00:36	1
Hexachloroethane	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:36	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 00:36	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/02/15 00:36	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/02/15 00:36	1

Client Sample ID: AOPCH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-56

Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Nitroaniline	0.37	U	9.5	0.37	0.25	mg/Kg	☼	11/02/15 00:36	1
3-Nitroaniline	0.95	U	9.5	0.95	0.26	mg/Kg	☼	11/02/15 00:36	1
4-Nitroaniline	0.95	U	9.5	0.95	0.27	mg/Kg	☼	11/02/15 00:36	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/02/15 00:36	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/02/15 00:36	1
4-Nitrophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/02/15 00:36	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 00:36	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	11/02/15 00:36	1
Pentachlorophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/02/15 00:36	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 00:36	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 00:36	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	11/02/15 00:36	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 00:36	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/02/15 00:36*	*1*
2-Fluorophenol (Surr)	*37*	*Q*	*40 - 130*	*10/24/15 08:26*	*11/02/15 00:36*	*1*
Nitrobenzene-d5 (Surr)	*47*		*46 - 130*	*10/24/15 08:26*	*11/02/15 00:36*	*1*
Phenol-d5 (Surr)	*42*	*Q*	*49 - 130*	*10/24/15 08:26*	*11/02/15 00:36*	*1*
Terphenyl-d14 (Surr)	*55*	*Q*	*60 - 130*	*10/24/15 08:26*	*11/02/15 00:36*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*58 - 130*	*10/24/15 08:26*	*11/02/15 00:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 00:09	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/05/15 00:09	1
Benzaldehyde	0.99	U H	1.9	0.99	0.34	mg/Kg	☼	11/05/15 00:09	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	11/05/15 00:09	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/05/15 00:09	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/05/15 00:09	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:09	1
Bis(2-ethylhexyl) phthalate	**0.65**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:09	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/05/15 00:09	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/05/15 00:09	1
Caprolactam	0.99	U H	1.9	0.99	0.38	mg/Kg	☼	11/05/15 00:09	1
Carbazole	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:09	1
4-Chloroaniline	0.99	U H	3.8	0.99	0.30	mg/Kg	☼	11/05/15 00:09	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:09	1
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:09	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/05/15 00:09	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	11/05/15 00:09	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 00:09	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	11/05/15 00:09	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:09	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/05/15 00:09	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/05/15 00:09	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:09	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:09	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	11/05/15 00:09	1

Client Sample ID: AOPCH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-56

Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrophenol	7.6	U H	9.9	7.6	4.8	mg/Kg	☼	11/05/15 00:09	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.29	mg/Kg	☼	11/05/15 00:09	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 00:09	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:09	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.70	mg/Kg	☼	11/05/15 00:09	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/05/15 00:09	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/05/15 00:09	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 00:09	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 00:09	1
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 00:09	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 00:09	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/05/15 00:09	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	11/05/15 00:09	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	11/05/15 00:09	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.29	mg/Kg	☼	11/05/15 00:09	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/05/15 00:09	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 00:09	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/05/15 00:09	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 00:09	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/05/15 00:09	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/05/15 00:09	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:09	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/05/15 00:09	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/05/15 00:09	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:09	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*58 - 130*	*11/03/15 16:47*	*11/05/15 00:09*	*1*
2-Fluorophenol (Surr)	*50*		*40 - 130*	*11/03/15 16:47*	*11/05/15 00:09*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*	*11/03/15 16:47*	*11/05/15 00:09*	*1*
Phenol-d5 (Surr)	*62*		*49 - 130*	*11/03/15 16:47*	*11/05/15 00:09*	*1*
Terphenyl-d14 (Surr)	*62*		*60 - 130*	*11/03/15 16:47*	*11/05/15 00:09*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*58 - 130*	*11/03/15 16:47*	*11/05/15 00:09*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**12000**	**D**	96	19	3.0	mg/Kg	☼	10/27/15 13:40	10
Antimony	**0.68**	**J D**	1.9	0.72	0.067	mg/Kg	☼	10/27/15 13:40	10
Arsenic	**4.6**	**J D**	4.8	0.72	0.13	mg/Kg	☼	10/27/15 13:40	10
Barium	**38**	**D**	4.8	1.4	1.1	mg/Kg	☼	10/27/15 13:40	10
Beryllium	**0.22**	**J D**	0.96	0.48	0.053	mg/Kg	☼	10/27/15 13:40	10
Cadmium	**2.4**	**D**	1.9	0.048	0.018	mg/Kg	☼	10/27/15 13:40	10
Calcium	**140000**	**D**	19000	4800	1100	mg/Kg	☼	10/27/15 16:59	100
Chromium	**170**	**D**	4.8	2.2	0.29	mg/Kg	☼	10/27/15 13:40	10
Cobalt	**19**	**D**	0.96	0.072	0.0082	mg/Kg	☼	10/27/15 13:40	10
Copper	**67**	**D**	3.9	1.4	0.47	mg/Kg	☼	10/27/15 13:40	10
Iron	**22000**	**D**	480	140	15	mg/Kg	☼	10/27/15 13:40	10
Lead	**230**	**D**	2.9	0.96	0.22	mg/Kg	☼	10/27/15 13:40	10
Magnesium	**34000**	**D**	960	120	19	mg/Kg	☼	10/27/15 13:40	10

Client Sample ID: AOPCH501

Lab Sample ID: 680-117942-56
Date Collected: 10/12/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.5

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Manganese	420	D	4.8	1.9	0.58	mg/Kg	☼	10/27/15 13:40	10
Nickel	340	D	4.8	1.2	0.19	mg/Kg	☼	10/27/15 13:40	10
Potassium	1100	D	960	48	24	mg/Kg	☼	10/27/15 13:40	10
Selenium	0.50	J D	4.8	0.29	0.19	mg/Kg	☼	10/27/15 13:40	10
Silver	0.86	J D	0.96	0.24	0.0067	mg/Kg	☼	10/27/15 13:40	10
Sodium	610	J D	960	190	42	mg/Kg	☼	10/27/15 13:40	10
Thallium	0.72	U	1.9	0.72	0.091	mg/Kg	☼	10/27/15 13:40	10
V	59	D	4.8	0.48	0.18	mg/Kg	☼	10/27/15 13:40	10
Zinc	300	D	39	9.6	2.4	mg/Kg	☼	10/27/15 13:40	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.043	J	0.12	0.039	0.016	mg/Kg	☼	10/23/15 16:02	1

Client Sample ID: AOPSJ201

Lab Sample ID: 680-117942-57
Date Collected: 10/12/15 15:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 84.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Acenaphthylene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Benzo[a]anthracene	0.043		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Benzo[a]pyrene	0.048		0.041	0.020	0.0073	mg/Kg	☼	10/28/15 18:36	1
Benzo[b]fluoranthene	0.085	M	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Benzo[g,h,i]perylene	0.033	J	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Benzo[k]fluoranthene	0.021	J M	0.041	0.020	0.012	mg/Kg	☼	10/28/15 18:36	1
Chrysene	0.055		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Fluoranthene	0.089		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Fluorene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Indeno[1,2,3-cd]pyrene	0.030	J	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Dibenz(a,h)anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Naphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
Phenanthrene	0.041		0.041	0.020	0.015	mg/Kg	☼	10/28/15 18:36	1
Pyrene	0.071		0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1
1-Methylnaphthalene	0.020	U	0.041	0.020	0.019	mg/Kg	☼	10/28/15 18:36	1
2-Methylnaphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/28/15 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*36 - 131*	*10/24/15 09:57*	*10/28/15 18:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.38	U	1.9	0.38	0.16	mg/Kg	☼	11/02/15 00:59	1
Atrazine	0.38	U	1.9	0.38	0.13	mg/Kg	☼	11/02/15 00:59	1
Benzaldehyde	0.95	U Q	1.9	0.95	0.33	mg/Kg	☼	11/02/15 00:59	1
1,1'-Biphenyl	9.5	U	9.5	9.5	9.5	mg/Kg	☼	11/02/15 00:59	1
Bis(2-chloroethoxy)methane	0.38	U	1.9	0.38	0.22	mg/Kg	☼	11/02/15 00:59	1
Bis(2-chloroethyl)ether	0.95	U	1.9	0.95	0.25	mg/Kg	☼	11/02/15 00:59	1

Client Sample ID: AOPSJ201
Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57
Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.38	U	1.9	0.38	0.17	mg/Kg	☼	11/02/15 00:59	1
Bis(2-ethylhexyl) phthalate	0.38	U	1.9	0.38	0.16	mg/Kg	☼	11/02/15 00:59	1
4-Bromophenyl phenyl ether	0.38	U	1.9	0.38	0.20	mg/Kg	☼	11/02/15 00:59	1
Butyl benzyl phthalate	0.38	U	1.9	0.38	0.15	mg/Kg	☼	11/02/15 00:59	1
Caprolactam	0.95	U	1.9	0.95	0.37	mg/Kg	☼	11/02/15 00:59	1
Carbazole	0.38	U	1.9	0.38	0.17	mg/Kg	☼	11/02/15 00:59	1
4-Chloroaniline	0.95	U	3.7	0.95	0.29	mg/Kg	☼	11/02/15 00:59	1
4-Chloro-3-methylphenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	11/02/15 00:59	1
2-Chloronaphthalene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	11/02/15 00:59	1
2-Chlorophenol	0.38	U	1.9	0.38	0.22	mg/Kg	☼	11/02/15 00:59	1
4-Chlorophenyl phenyl ether	0.38	U	1.9	0.38	0.25	mg/Kg	☼	11/02/15 00:59	1
Dibenzofuran	0.38	U	1.9	0.38	0.19	mg/Kg	☼	11/02/15 00:59	1
3,3'-Dichlorobenzidine	0.38	U	3.7	0.38	0.16	mg/Kg	☼	11/02/15 00:59	1
2,4-Dichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	11/02/15 00:59	1
Diethyl phthalate	0.38	U	1.9	0.38	0.21	mg/Kg	☼	11/02/15 00:59	1
2,4-Dimethylphenol	0.95	U	1.9	0.95	0.25	mg/Kg	☼	11/02/15 00:59	1
Dimethyl phthalate	0.38	U	1.9	0.38	0.19	mg/Kg	☼	11/02/15 00:59	1
Di-n-butyl phthalate	0.38	U	1.9	0.38	0.17	mg/Kg	☼	11/02/15 00:59	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.5	1.9	0.95	mg/Kg	☼	11/02/15 00:59	1
2,4-Dinitrophenol	7.3	U	9.5	7.3	4.7	mg/Kg	☼	11/02/15 00:59	1
2,4-Dinitrotoluene	0.95	U	1.9	0.95	0.27	mg/Kg	☼	11/02/15 00:59	1
2,6-Dinitrotoluene	0.38	U	1.9	0.38	0.24	mg/Kg	☼	11/02/15 00:59	1
Di-n-octyl phthalate	0.38	U	1.9	0.38	0.16	mg/Kg	☼	11/02/15 00:59	1
1,4-Dioxane	1.9	U Q	1.9	1.9	0.67	mg/Kg	☼	11/02/15 00:59	1
Hexachlorobenzene	0.38	U	1.9	0.38	0.22	mg/Kg	☼	11/02/15 00:59	1
Hexachlorobutadiene	0.38	U	1.9	0.38	0.20	mg/Kg	☼	11/02/15 00:59	1
Hexachlorocyclopentadiene	0.38	U Q	1.9	0.38	0.23	mg/Kg	☼	11/02/15 00:59	1
Hexachloroethane	0.38	U	1.9	0.38	0.16	mg/Kg	☼	11/02/15 00:59	1
Isophorone	0.38	U	1.9	0.38	0.19	mg/Kg	☼	11/02/15 00:59	1
2-Methylphenol	0.38	U	1.9	0.38	0.15	mg/Kg	☼	11/02/15 00:59	1
3 & 4 Methylphenol	0.38	U	1.9	0.38	0.24	mg/Kg	☼	11/02/15 00:59	1
2-Nitroaniline	0.38	U	9.5	0.38	0.25	mg/Kg	☼	11/02/15 00:59	1
3-Nitroaniline	0.95	U	9.5	0.95	0.26	mg/Kg	☼	11/02/15 00:59	1
4-Nitroaniline	0.95	U	9.5	0.95	0.27	mg/Kg	☼	11/02/15 00:59	1
Nitrobenzene	0.38	U	1.9	0.38	0.15	mg/Kg	☼	11/02/15 00:59	1
2-Nitrophenol	0.38	U	1.9	0.38	0.23	mg/Kg	☼	11/02/15 00:59	1
4-Nitrophenol	3.8	U	9.5	3.8	1.9	mg/Kg	☼	11/02/15 00:59	1
N-Nitrosodi-n-propylamine	0.38	U	1.9	0.38	0.18	mg/Kg	☼	11/02/15 00:59	1
N-Nitrosodiphenylamine	0.47	U	1.9	0.47	0.19	mg/Kg	☼	11/02/15 00:59	1
Pentachlorophenol	3.8	U	9.5	3.8	1.9	mg/Kg	☼	11/02/15 00:59	1
Phenol	0.38	U	1.9	0.38	0.19	mg/Kg	☼	11/02/15 00:59	1
1,2,4,5-Tetrachlorobenzene	0.38	U	1.9	0.38	0.17	mg/Kg	☼	11/02/15 00:59	1
2,3,4,6-Tetrachlorophenol	0.38	U	1.9	0.38	0.12	mg/Kg	☼	11/02/15 00:59	1
2,4,5-Trichlorophenol	0.38	U	1.9	0.38	0.20	mg/Kg	☼	11/02/15 00:59	1
2,4,6-Trichlorophenol	0.38	U	1.9	0.38	0.16	mg/Kg	☼	11/02/15 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/02/15 00:59*	*1*
2-Fluorophenol (Surr)	*51*		*40 - 130*	*10/24/15 08:26*	*11/02/15 00:59*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*	*10/24/15 08:26*	*11/02/15 00:59*	*1*

Client Sample ID: AOPSJ201

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57

Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	53		49 - 130	10/24/15 08:26	11/02/15 00:59	1
Terphenyl-d14 (Surr)	58	Q	60 - 130	10/24/15 08:26	11/02/15 00:59	1
2,4,6-Tribromophenol (Surr)	62		58 - 130	10/24/15 08:26	11/02/15 00:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U H	1.8	0.37	0.15	mg/Kg	☼	11/05/15 00:34	1
Atrazine	0.37	U H	1.8	0.37	0.13	mg/Kg	☼	11/05/15 00:34	1
Benzaldehyde	0.94	U H	1.8	0.94	0.32	mg/Kg	☼	11/05/15 00:34	1
1,1'-Biphenyl	9.4	U H	9.4	9.4	9.4	mg/Kg	☼	11/05/15 00:34	1
Bis(2-chloroethoxy)methane	0.37	U H	1.8	0.37	0.22	mg/Kg	☼	11/05/15 00:34	1
Bis(2-chloroethyl)ether	0.94	U H	1.8	0.94	0.25	mg/Kg	☼	11/05/15 00:34	1
bis (2-chloroisopropyl) ether	0.37	U H	1.8	0.37	0.17	mg/Kg	☼	11/05/15 00:34	1
Bis(2-ethylhexyl) phthalate	**0.41**	**J H**	1.8	0.37	0.16	mg/Kg	☼	11/05/15 00:34	1
4-Bromophenyl phenyl ether	0.37	U H	1.8	0.37	0.20	mg/Kg	☼	11/05/15 00:34	1
Butyl benzyl phthalate	0.37	U H	1.8	0.37	0.14	mg/Kg	☼	11/05/15 00:34	1
Caprolactam	0.94	U H	1.8	0.94	0.36	mg/Kg	☼	11/05/15 00:34	1
Carbazole	0.37	U H	1.8	0.37	0.17	mg/Kg	☼	11/05/15 00:34	1
4-Chloroaniline	0.94	U H	3.6	0.94	0.29	mg/Kg	☼	11/05/15 00:34	1
4-Chloro-3-methylphenol	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/05/15 00:34	1
2-Chloronaphthalene	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/05/15 00:34	1
2-Chlorophenol	0.37	U H	1.8	0.37	0.22	mg/Kg	☼	11/05/15 00:34	1
4-Chlorophenyl phenyl ether	0.37	U H	1.8	0.37	0.24	mg/Kg	☼	11/05/15 00:34	1
Dibenzofuran	0.37	U H	1.8	0.37	0.18	mg/Kg	☼	11/05/15 00:34	1
3,3'-Dichlorobenzidine	0.37	U H	3.6	0.37	0.15	mg/Kg	☼	11/05/15 00:34	1
2,4-Dichlorophenol	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/05/15 00:34	1
Diethyl phthalate	0.37	U H	1.8	0.37	0.20	mg/Kg	☼	11/05/15 00:34	1
2,4-Dimethylphenol	0.94	U H	1.8	0.94	0.24	mg/Kg	☼	11/05/15 00:34	1
Dimethyl phthalate	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/05/15 00:34	1
Di-n-butyl phthalate	0.37	U H	1.8	0.37	0.17	mg/Kg	☼	11/05/15 00:34	1
2-Methyl-4,6-dinitrophenol	1.8	U H	9.4	1.8	0.94	mg/Kg	☼	11/05/15 00:34	1
2,4-Dinitrophenol	7.2	U H	9.4	7.2	4.6	mg/Kg	☼	11/05/15 00:34	1
2,4-Dinitrotoluene	0.94	U H	1.8	0.94	0.27	mg/Kg	☼	11/05/15 00:34	1
2,6-Dinitrotoluene	0.37	U H	1.8	0.37	0.23	mg/Kg	☼	11/05/15 00:34	1
Di-n-octyl phthalate	0.37	U H	1.8	0.37	0.16	mg/Kg	☼	11/05/15 00:34	1
1,4-Dioxane	1.8	U H	1.8	1.8	0.66	mg/Kg	☼	11/05/15 00:34	1
Hexachlorobenzene	0.37	U H	1.8	0.37	0.22	mg/Kg	☼	11/05/15 00:34	1
Hexachlorobutadiene	0.37	U H	1.8	0.37	0.20	mg/Kg	☼	11/05/15 00:34	1
Hexachlorocyclopentadiene	0.37	U H	1.8	0.37	0.23	mg/Kg	☼	11/05/15 00:34	1
Hexachloroethane	0.37	U H	1.8	0.37	0.15	mg/Kg	☼	11/05/15 00:34	1
Isophorone	0.37	U H	1.8	0.37	0.18	mg/Kg	☼	11/05/15 00:34	1
2-Methylphenol	0.37	U H	1.8	0.37	0.15	mg/Kg	☼	11/05/15 00:34	1
3 & 4 Methylphenol	0.37	U H	1.8	0.37	0.24	mg/Kg	☼	11/05/15 00:34	1
2-Nitroaniline	0.37	U H	9.4	0.37	0.25	mg/Kg	☼	11/05/15 00:34	1
3-Nitroaniline	0.94	U H	9.4	0.94	0.25	mg/Kg	☼	11/05/15 00:34	1
4-Nitroaniline	0.94	U H	9.4	0.94	0.27	mg/Kg	☼	11/05/15 00:34	1
Nitrobenzene	0.37	U H	1.8	0.37	0.14	mg/Kg	☼	11/05/15 00:34	1
2-Nitrophenol	0.37	U H	1.8	0.37	0.23	mg/Kg	☼	11/05/15 00:34	1
4-Nitrophenol	3.7	U H	9.4	3.7	1.8	mg/Kg	☼	11/05/15 00:34	1

Client Sample ID: AOPSJ201

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57

Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.37	U H	1.8	0.37	0.18	mg/Kg	☼	11/05/15 00:34	1
N-Nitrosodiphenylamine	0.46	U H	1.8	0.46	0.18	mg/Kg	☼	11/05/15 00:34	1
Pentachlorophenol	3.7	U H	9.4	3.7	1.8	mg/Kg	☼	11/05/15 00:34	1
Phenol	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/05/15 00:34	1
1,2,4,5-Tetrachlorobenzene	0.37	U H	1.8	0.37	0.17	mg/Kg	☼	11/05/15 00:34	1
2,3,4,6-Tetrachlorophenol	0.37	U H	1.8	0.37	0.12	mg/Kg	☼	11/05/15 00:34	1
2,4,5-Trichlorophenol	0.37	U H	1.8	0.37	0.19	mg/Kg	☼	11/05/15 00:34	1
2,4,6-Trichlorophenol	0.37	U H	1.8	0.37	0.16	mg/Kg	☼	11/05/15 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*58 - 130*	*11/03/15 16:47*	*11/05/15 00:34*	*1*
2-Fluorophenol (Surr)	*49*		*40 - 130*	*11/03/15 16:47*	*11/05/15 00:34*	*1*
Nitrobenzene-d5 (Surr)	*49*		*46 - 130*	*11/03/15 16:47*	*11/05/15 00:34*	*1*
Phenol-d5 (Surr)	*55*		*49 - 130*	*11/03/15 16:47*	*11/05/15 00:34*	*1*
Terphenyl-d14 (Surr)	*54*	*Q*	*60 - 130*	*11/03/15 16:47*	*11/05/15 00:34*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*58 - 130*	*11/03/15 16:47*	*11/05/15 00:34*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**16000**	**D**	110	23	3.6	mg/Kg	☼	10/27/15 13:44	10
Antimony	**0.42**	**J D**	2.3	0.86	0.080	mg/Kg	☼	10/27/15 13:44	10
Arsenic	**2.0**	**J D**	5.7	0.86	0.15	mg/Kg	☼	10/27/15 13:44	10
Barium	**28**	**D**	5.7	1.7	1.3	mg/Kg	☼	10/27/15 13:44	10
Beryllium	**0.23**	**J D**	1.1	0.57	0.063	mg/Kg	☼	10/27/15 13:44	10
Cadmium	**1.5**	**J D**	2.3	0.057	0.021	mg/Kg	☼	10/27/15 13:44	10
Calcium	**57000**	**D**	2300	570	130	mg/Kg	☼	10/27/15 13:44	10
Chromium	**350**	**D**	5.7	2.6	0.34	mg/Kg	☼	10/27/15 13:44	10
Cobalt	**35**	**D**	1.1	0.086	0.0097	mg/Kg	☼	10/27/15 13:44	10
Copper	**36**	**D**	4.6	1.7	0.56	mg/Kg	☼	10/27/15 13:44	10
Iron	**35000**	**D**	570	170	18	mg/Kg	☼	10/27/15 13:44	10
Lead	**48**	**D**	3.4	1.1	0.26	mg/Kg	☼	10/27/15 13:44	10
Magnesium	**73000**	**D**	2300	290	46	mg/Kg	☼	10/27/15 17:03	20
Manganese	**540**	**D**	5.7	2.3	0.69	mg/Kg	☼	10/27/15 13:44	10
Nickel	**780**	**D**	5.7	1.4	0.22	mg/Kg	☼	10/27/15 13:44	10
Potassium	**1300**	**D**	1100	57	28	mg/Kg	☼	10/27/15 13:44	10
Selenium	**0.54**	**J D**	5.7	0.34	0.23	mg/Kg	☼	10/27/15 13:44	10
Silver	**0.057**	**J D**	1.1	0.29	0.0080	mg/Kg	☼	10/27/15 13:44	10
Sodium	**300**	**J D**	1100	230	50	mg/Kg	☼	10/27/15 13:44	10
Thallium	0.86	U	2.3	0.86	0.11	mg/Kg	☼	10/27/15 13:44	10
V	**66**	**D**	5.7	0.57	0.21	mg/Kg	☼	10/27/15 13:44	10
Zinc	**66**	**D**	46	11	2.9	mg/Kg	☼	10/27/15 13:44	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.035**	**J**	0.12	0.041	0.017	mg/Kg	☼	10/23/15 16:04	1

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Acenaphthylene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Anthracene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Benzo[a]anthracene	**0.033**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Benzo[a]pyrene	**0.028**	**J**	0.038	0.019	0.0069	mg/Kg	☼	10/28/15 16:57	1
Benzo[b]fluoranthene	**0.055**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Benzo[g,h,i]perylene	**0.020**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Benzo[k]fluoranthene	**0.016**	**J M**	0.038	0.019	0.011	mg/Kg	☼	10/28/15 16:57	1
Chrysene	**0.041**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Fluoranthene	**0.037**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Fluorene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Indeno[1,2,3-cd]pyrene	**0.022**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Naphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
Phenanthrene	0.019	U	0.038	0.019	0.014	mg/Kg	☼	10/28/15 16:57	1
Pyrene	**0.036**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1
1-Methylnaphthalene	0.019	U	0.038	0.019	0.018	mg/Kg	☼	10/28/15 16:57	1
2-Methylnaphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*36 - 131*	*10/24/15 09:57*	*10/28/15 16:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 01:24	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	11/02/15 01:24	1
Benzaldehyde	0.95	U Q	1.8	0.95	0.32	mg/Kg	☼	11/02/15 01:24	1
1,1'-Biphenyl	9.5	U	9.5	9.5	9.5	mg/Kg	☼	11/02/15 01:24	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 01:24	1
Bis(2-chloroethyl)ether	0.95	U	1.8	0.95	0.25	mg/Kg	☼	11/02/15 01:24	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 01:24	1
Bis(2-ethylhexyl) phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 01:24	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 01:24	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/02/15 01:24	1
Caprolactam	0.95	U	1.8	0.95	0.37	mg/Kg	☼	11/02/15 01:24	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 01:24	1
4-Chloroaniline	0.95	U	3.7	0.95	0.29	mg/Kg	☼	11/02/15 01:24	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 01:24	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 01:24	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 01:24	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/02/15 01:24	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 01:24	1
3,3'-Dichlorobenzidine	0.37	U	3.7	0.37	0.16	mg/Kg	☼	11/02/15 01:24	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 01:24	1
Diethyl phthalate	0.37	U	1.8	0.37	0.21	mg/Kg	☼	11/02/15 01:24	1
2,4-Dimethylphenol	0.95	U	1.8	0.95	0.24	mg/Kg	☼	11/02/15 01:24	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 01:24	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 01:24	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.5	1.8	0.95	mg/Kg	☼	11/02/15 01:24	1
2,4-Dinitrophenol	7.2	U	9.5	7.2	4.6	mg/Kg	☼	11/02/15 01:24	1

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.95	U	1.8	0.95	0.27	mg/Kg	☼	11/02/15 01:24	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/02/15 01:24	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 01:24	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.67	mg/Kg	☼	11/02/15 01:24	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	11/02/15 01:24	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	11/02/15 01:24	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	11/02/15 01:24	1
Hexachloroethane	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 01:24	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 01:24	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	11/02/15 01:24	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	11/02/15 01:24	1
2-Nitroaniline	0.37	U	9.5	0.37	0.25	mg/Kg	☼	11/02/15 01:24	1
3-Nitroaniline	0.95	U	9.5	0.95	0.26	mg/Kg	☼	11/02/15 01:24	1
4-Nitroaniline	0.95	U	9.5	0.95	0.27	mg/Kg	☼	11/02/15 01:24	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	11/02/15 01:24	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	11/02/15 01:24	1
4-Nitrophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/02/15 01:24	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	11/02/15 01:24	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	11/02/15 01:24	1
Pentachlorophenol	3.7	U	9.5	3.7	1.8	mg/Kg	☼	11/02/15 01:24	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 01:24	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	11/02/15 01:24	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	11/02/15 01:24	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	11/02/15 01:24	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	11/02/15 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*58 - 130*	*10/24/15 08:26*	*11/02/15 01:24*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/24/15 08:26*	*11/02/15 01:24*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 130*	*10/24/15 08:26*	*11/02/15 01:24*	*1*
Phenol-d5 (Surr)	*63*		*49 - 130*	*10/24/15 08:26*	*11/02/15 01:24*	*1*
Terphenyl-d14 (Surr)	*67*		*60 - 130*	*10/24/15 08:26*	*11/02/15 01:24*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/24/15 08:26*	*11/02/15 01:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 00:59	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/05/15 00:59	1
Benzaldehyde	0.99	U H	1.9	0.99	0.34	mg/Kg	☼	11/05/15 00:59	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	11/05/15 00:59	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/05/15 00:59	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/05/15 00:59	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/05/15 00:59	1
Bis(2-ethylhexyl) phthalate	**0.39**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:59	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/05/15 00:59	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/05/15 00:59	1
Caprolactam	0.99	U H	1.9	0.99	0.39	mg/Kg	☼	11/05/15 00:59	1
Carbazole	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/05/15 00:59	1
4-Chloroaniline	0.99	U H	3.9	0.99	0.30	mg/Kg	☼	11/05/15 00:59	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:59	1

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:59	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/05/15 00:59	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	11/05/15 00:59	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 00:59	1
3,3'-Dichlorobenzidine	0.39	U H	3.9	0.39	0.16	mg/Kg	☼	11/05/15 00:59	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:59	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/05/15 00:59	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	11/05/15 00:59	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:59	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/05/15 00:59	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	11/05/15 00:59	1
2,4-Dinitrophenol	7.6	U H	9.9	7.6	4.9	mg/Kg	☼	11/05/15 00:59	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.29	mg/Kg	☼	11/05/15 00:59	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/05/15 00:59	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:59	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.70	mg/Kg	☼	11/05/15 00:59	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/05/15 00:59	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/05/15 00:59	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 00:59	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 00:59	1
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 00:59	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 00:59	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/05/15 00:59	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	11/05/15 00:59	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	11/05/15 00:59	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.29	mg/Kg	☼	11/05/15 00:59	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/05/15 00:59	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 00:59	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/05/15 00:59	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 00:59	1
N-Nitrosodiphenylamine	0.49	U H	1.9	0.49	0.19	mg/Kg	☼	11/05/15 00:59	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	11/05/15 00:59	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:59	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/05/15 00:59	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/05/15 00:59	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 00:59	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*58 - 130*	*11/03/15 16:47*	*11/05/15 00:59*	*1*
2-Fluorophenol (Surr)	*50*		*40 - 130*	*11/03/15 16:47*	*11/05/15 00:59*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*	*11/03/15 16:47*	*11/05/15 00:59*	*1*
Phenol-d5 (Surr)	*51*		*49 - 130*	*11/03/15 16:47*	*11/05/15 00:59*	*1*
Terphenyl-d14 (Surr)	*64*		*60 - 130*	*11/03/15 16:47*	*11/05/15 00:59*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*11/03/15 16:47*	*11/05/15 00:59*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**16000**	**D**	97	19	3.0	mg/Kg	☼	10/27/15 14:29	10
Antimony	**0.14**	**J D**	1.9	0.73	0.068	mg/Kg	☼	10/27/15 14:29	10

Client Sample ID: AOPSK201

Lab Sample ID: 680-117942-58

Date Collected: 10/12/15 14:57
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 88.8

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.7	J D	4.9	0.73	0.13	mg/Kg	☼	10/27/15 14:29	10
Barium	31	D	4.9	1.5	1.1	mg/Kg	☼	10/27/15 14:29	10
Beryllium	0.22	J D	0.97	0.49	0.053	mg/Kg	☼	10/27/15 14:29	10
Cadmium	0.17	J D	1.9	0.049	0.018	mg/Kg	☼	10/27/15 14:29	10
Calcium	86000	J D	9700	2400	530	mg/Kg	☼	10/27/15 17:14	50
Chromium	320	D	4.9	2.2	0.29	mg/Kg	☼	10/27/15 14:29	10
Cobalt	28	D	0.97	0.073	0.0083	mg/Kg	☼	10/27/15 14:29	10
Copper	27	D	3.9	1.5	0.47	mg/Kg	☼	10/27/15 14:29	10
Iron	33000	D	490	150	16	mg/Kg	☼	10/27/15 14:29	10
Lead	75	D	2.9	0.97	0.22	mg/Kg	☼	10/27/15 14:29	10
Magnesium	46000	D	970	120	19	mg/Kg	☼	10/27/15 14:29	10
Manganese	480	D	4.9	1.9	0.58	mg/Kg	☼	10/27/15 14:29	10
Nickel	640	D	4.9	1.2	0.19	mg/Kg	☼	10/27/15 14:29	10
Potassium	860	J D	970	49	24	mg/Kg	☼	10/27/15 14:29	10
Selenium	0.61	J D	4.9	0.29	0.19	mg/Kg	☼	10/27/15 14:29	10
Silver	0.028	J D	0.97	0.24	0.0068	mg/Kg	☼	10/27/15 14:29	10
Sodium	280	J D	970	190	42	mg/Kg	☼	10/27/15 14:29	10
Thallium	0.73	U	1.9	0.73	0.092	mg/Kg	☼	10/27/15 14:29	10
V	72	D	4.9	0.49	0.18	mg/Kg	☼	10/27/15 14:29	10
Zinc	38	J D	39	9.7	2.4	mg/Kg	☼	10/27/15 14:29	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.025	J	0.12	0.041	0.017	mg/Kg	☼	10/23/15 16:13	1

Client Sample ID: AOPSK301

Lab Sample ID: 680-117942-59

Date Collected: 10/12/15 15:05
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 89.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Acenaphthylene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Anthracene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Benzo[a]anthracene	0.023	J	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Benzo[a]pyrene	0.023	J	0.036	0.018	0.0065	mg/Kg	☼	10/29/15 20:59	1
Benzo[b]fluoranthene	0.046		0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Benzo[g,h,i]perylene	0.020	J	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Benzo[k]fluoranthene	0.012	J M	0.036	0.018	0.011	mg/Kg	☼	10/29/15 20:59	1
Chrysene	0.039		0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Fluoranthene	0.054		0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Fluorene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Naphthalene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
Phenanthrene	0.020	J	0.036	0.018	0.013	mg/Kg	☼	10/29/15 20:59	1
Pyrene	0.042		0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1
1-Methylnaphthalene	0.018	U	0.036	0.018	0.017	mg/Kg	☼	10/29/15 20:59	1
2-Methylnaphthalene	0.036	U	0.036	0.036	0.018	mg/Kg	☼	10/29/15 20:59	1

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid
Percent Solids: 89.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		36 - 131	10/24/15 09:57	10/29/15 20:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.35	U	1.7	0.35	0.14	mg/Kg	☼	11/02/15 01:48	1
Atrazine	0.35	U	1.7	0.35	0.12	mg/Kg	☼	11/02/15 01:48	1
Benzaldehyde	0.88	U Q	1.7	0.88	0.30	mg/Kg	☼	11/02/15 01:48	1
1,1'-Biphenyl	8.8	U	8.8	8.8	8.8	mg/Kg	☼	11/02/15 01:48	1
Bis(2-chloroethoxy)methane	0.35	U	1.7	0.35	0.20	mg/Kg	☼	11/02/15 01:48	1
Bis(2-chloroethyl)ether	0.88	U	1.7	0.88	0.23	mg/Kg	☼	11/02/15 01:48	1
bis (2-chloroisopropyl) ether	0.35	U	1.7	0.35	0.16	mg/Kg	☼	11/02/15 01:48	1
Bis(2-ethylhexyl) phthalate	0.35	U	1.7	0.35	0.15	mg/Kg	☼	11/02/15 01:48	1
4-Bromophenyl phenyl ether	0.35	U	1.7	0.35	0.19	mg/Kg	☼	11/02/15 01:48	1
Butyl benzyl phthalate	0.35	U	1.7	0.35	0.13	mg/Kg	☼	11/02/15 01:48	1
Caprolactam	0.88	U	1.7	0.88	0.34	mg/Kg	☼	11/02/15 01:48	1
Carbazole	0.35	U	1.7	0.35	0.16	mg/Kg	☼	11/02/15 01:48	1
4-Chloroaniline	0.88	U	3.4	0.88	0.27	mg/Kg	☼	11/02/15 01:48	1
4-Chloro-3-methylphenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	11/02/15 01:48	1
2-Chloronaphthalene	0.35	U	1.7	0.35	0.18	mg/Kg	☼	11/02/15 01:48	1
2-Chlorophenol	0.35	U	1.7	0.35	0.21	mg/Kg	☼	11/02/15 01:48	1
4-Chlorophenyl phenyl ether	0.35	U	1.7	0.35	0.23	mg/Kg	☼	11/02/15 01:48	1
Dibenzofuran	0.35	U	1.7	0.35	0.17	mg/Kg	☼	11/02/15 01:48	1
3,3'-Dichlorobenzidine	0.35	U	3.4	0.35	0.14	mg/Kg	☼	11/02/15 01:48	1
2,4-Dichlorophenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	11/02/15 01:48	1
Diethyl phthalate	0.35	U	1.7	0.35	0.19	mg/Kg	☼	11/02/15 01:48	1
2,4-Dimethylphenol	0.88	U	1.7	0.88	0.23	mg/Kg	☼	11/02/15 01:48	1
Dimethyl phthalate	0.35	U	1.7	0.35	0.18	mg/Kg	☼	11/02/15 01:48	1
Di-n-butyl phthalate	0.35	U	1.7	0.35	0.16	mg/Kg	☼	11/02/15 01:48	1
2-Methyl-4,6-dinitrophenol	1.7	U	8.8	1.7	0.88	mg/Kg	☼	11/02/15 01:48	1
2,4-Dinitrophenol	6.7	U	8.8	6.7	4.3	mg/Kg	☼	11/02/15 01:48	1
2,4-Dinitrotoluene	0.88	U	1.7	0.88	0.25	mg/Kg	☼	11/02/15 01:48	1
2,6-Dinitrotoluene	0.35	U	1.7	0.35	0.22	mg/Kg	☼	11/02/15 01:48	1
Di-n-octyl phthalate	0.35	U	1.7	0.35	0.15	mg/Kg	☼	11/02/15 01:48	1
1,4-Dioxane	1.7	U Q	1.7	1.7	0.62	mg/Kg	☼	11/02/15 01:48	1
Hexachlorobenzene	0.35	U	1.7	0.35	0.20	mg/Kg	☼	11/02/15 01:48	1
Hexachlorobutadiene	0.35	U	1.7	0.35	0.19	mg/Kg	☼	11/02/15 01:48	1
Hexachlorocyclopentadiene	0.35	U Q	1.7	0.35	0.21	mg/Kg	☼	11/02/15 01:48	1
Hexachloroethane	0.35	U	1.7	0.35	0.14	mg/Kg	☼	11/02/15 01:48	1
Isophorone	0.35	U	1.7	0.35	0.17	mg/Kg	☼	11/02/15 01:48	1
2-Methylphenol	0.35	U	1.7	0.35	0.14	mg/Kg	☼	11/02/15 01:48	1
3 & 4 Methylphenol	0.35	U	1.7	0.35	0.22	mg/Kg	☼	11/02/15 01:48	1
2-Nitroaniline	0.35	U	8.8	0.35	0.23	mg/Kg	☼	11/02/15 01:48	1
3-Nitroaniline	0.88	U	8.8	0.88	0.24	mg/Kg	☼	11/02/15 01:48	1
4-Nitroaniline	0.88	U	8.8	0.88	0.25	mg/Kg	☼	11/02/15 01:48	1
Nitrobenzene	0.35	U	1.7	0.35	0.13	mg/Kg	☼	11/02/15 01:48	1
2-Nitrophenol	0.35	U	1.7	0.35	0.21	mg/Kg	☼	11/02/15 01:48	1
4-Nitrophenol	3.5	U	8.8	3.5	1.7	mg/Kg	☼	11/02/15 01:48	1
N-Nitrosodi-n-propylamine	0.35	U	1.7	0.35	0.17	mg/Kg	☼	11/02/15 01:48	1
N-Nitrosodiphenylamine	0.43	U	1.7	0.43	0.17	mg/Kg	☼	11/02/15 01:48	1
Pentachlorophenol	3.5	U	8.8	3.5	1.7	mg/Kg	☼	11/02/15 01:48	1

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid
Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	11/02/15 01:48	1
1,2,4,5-Tetrachlorobenzene	0.35	U	1.7	0.35	0.16	mg/Kg	☼	11/02/15 01:48	1
2,3,4,6-Tetrachlorophenol	0.35	U	1.7	0.35	0.11	mg/Kg	☼	11/02/15 01:48	1
2,4,5-Trichlorophenol	0.35	U	1.7	0.35	0.18	mg/Kg	☼	11/02/15 01:48	1
2,4,6-Trichlorophenol	0.35	U	1.7	0.35	0.15	mg/Kg	☼	11/02/15 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/02/15 01:48*	*1*
2-Fluorophenol (Surr)	*50*		*40 - 130*	*10/24/15 08:26*	*11/02/15 01:48*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 130*	*10/24/15 08:26*	*11/02/15 01:48*	*1*
Phenol-d5 (Surr)	*52*		*49 - 130*	*10/24/15 08:26*	*11/02/15 01:48*	*1*
Terphenyl-d14 (Surr)	*59*	*Q*	*60 - 130*	*10/24/15 08:26*	*11/02/15 01:48*	*1*
2,4,6-Tribromophenol (Surr)	*57*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/02/15 01:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 01:23	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/05/15 01:23	1
Benzaldehyde	0.98	U H	1.9	0.98	0.33	mg/Kg	☼	11/05/15 01:23	1
1,1'-Biphenyl	9.8	U H	9.8	9.8	9.8	mg/Kg	☼	11/05/15 01:23	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/05/15 01:23	1
Bis(2-chloroethyl)ether	0.98	U H	1.9	0.98	0.26	mg/Kg	☼	11/05/15 01:23	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 01:23	1
Bis(2-ethylhexyl) phthalate	**0.43**	**J H**	1.9	0.39	0.17	mg/Kg	☼	11/05/15 01:23	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/05/15 01:23	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/05/15 01:23	1
Caprolactam	0.98	U H	1.9	0.98	0.38	mg/Kg	☼	11/05/15 01:23	1
Carbazole	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 01:23	1
4-Chloroaniline	0.98	U H	3.8	0.98	0.30	mg/Kg	☼	11/05/15 01:23	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 01:23	1
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 01:23	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	11/05/15 01:23	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/05/15 01:23	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 01:23	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	11/05/15 01:23	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 01:23	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/05/15 01:23	1
2,4-Dimethylphenol	0.98	U H	1.9	0.98	0.25	mg/Kg	☼	11/05/15 01:23	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 01:23	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 01:23	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.8	1.9	0.98	mg/Kg	☼	11/05/15 01:23	1
2,4-Dinitrophenol	7.5	U H	9.8	7.5	4.8	mg/Kg	☼	11/05/15 01:23	1
2,4-Dinitrotoluene	0.98	U H	1.9	0.98	0.28	mg/Kg	☼	11/05/15 01:23	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 01:23	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 01:23	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.69	mg/Kg	☼	11/05/15 01:23	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	11/05/15 01:23	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	11/05/15 01:23	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 01:23	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 01:23	1

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid
Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	11/05/15 01:23	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	11/05/15 01:23	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	11/05/15 01:23	1
2-Nitroaniline	0.39	U H	9.8	0.39	0.26	mg/Kg	☼	11/05/15 01:23	1
3-Nitroaniline	0.98	U H	9.8	0.98	0.26	mg/Kg	☼	11/05/15 01:23	1
4-Nitroaniline	0.98	U H	9.8	0.98	0.28	mg/Kg	☼	11/05/15 01:23	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	11/05/15 01:23	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	11/05/15 01:23	1
4-Nitrophenol	3.9	U H	9.8	3.9	1.9	mg/Kg	☼	11/05/15 01:23	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/05/15 01:23	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	11/05/15 01:23	1
Pentachlorophenol	3.9	U H	9.8	3.9	1.9	mg/Kg	☼	11/05/15 01:23	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 01:23	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	11/05/15 01:23	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	11/05/15 01:23	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	11/05/15 01:23	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	11/05/15 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*11/03/15 16:47*	*11/05/15 01:23*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*11/03/15 16:47*	*11/05/15 01:23*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 130*	*11/03/15 16:47*	*11/05/15 01:23*	*1*
Phenol-d5 (Surr)	*54*		*49 - 130*	*11/03/15 16:47*	*11/05/15 01:23*	*1*
Terphenyl-d14 (Surr)	*58*	*Q*	*60 - 130*	*11/03/15 16:47*	*11/05/15 01:23*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*58 - 130*	*11/03/15 16:47*	*11/05/15 01:23*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**16000**	**D**	110	22	3.4	mg/Kg	☼	10/27/15 14:50	10
Antimony	**0.28**	**J D**	2.2	0.82	0.077	mg/Kg	☼	10/27/15 14:50	10
Arsenic	**5.5**	**D**	5.5	0.82	0.14	mg/Kg	☼	10/27/15 14:50	10
Barium	**56**	**D**	5.5	1.6	1.2	mg/Kg	☼	10/27/15 14:50	10
Beryllium	**0.27**	**J D**	1.1	0.55	0.060	mg/Kg	☼	10/27/15 14:50	10
Cadmium	**0.27**	**J D**	2.2	0.055	0.020	mg/Kg	☼	10/27/15 14:50	10
Calcium	**55000**	**D**	4400	1100	240	mg/Kg	☼	10/27/15 17:31	20
Chromium	**250**	**D**	5.5	2.5	0.33	mg/Kg	☼	10/27/15 14:50	10
Cobalt	**27**	**D**	1.1	0.082	0.0093	mg/Kg	☼	10/27/15 14:50	10
Copper	**42**	**D**	4.4	1.6	0.53	mg/Kg	☼	10/27/15 14:50	10
Iron	**34000**	**D**	550	160	18	mg/Kg	☼	10/27/15 14:50	10
Lead	**18**	**D**	3.3	1.1	0.25	mg/Kg	☼	10/27/15 14:50	10
Magnesium	**43000**	**D**	1100	140	22	mg/Kg	☼	10/27/15 14:50	10
Manganese	**570**	**D**	5.5	2.2	0.66	mg/Kg	☼	10/27/15 14:50	10
Nickel	**490**	**D**	5.5	1.4	0.21	mg/Kg	☼	10/27/15 14:50	10
Potassium	**970**	**J D**	1100	55	27	mg/Kg	☼	10/27/15 14:50	10
Selenium	**0.53**	**J D**	5.5	0.33	0.22	mg/Kg	☼	10/27/15 14:50	10
Silver	**0.081**	**J D**	1.1	0.27	0.0077	mg/Kg	☼	10/27/15 14:50	10
Sodium	**250**	**J D**	1100	220	48	mg/Kg	☼	10/27/15 14:50	10
Thallium	**0.10**	**J D**	2.2	0.82	0.10	mg/Kg	☼	10/27/15 14:50	10
V	**68**	**D**	5.5	0.55	0.20	mg/Kg	☼	10/27/15 14:50	10
Zinc	**65**	**D**	44	11	2.7	mg/Kg	☼	10/27/15 14:50	10

Client Sample ID: AOPSK301

Lab Sample ID: 680-117942-59
Date Collected: 10/12/15 15:05
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 89.6

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.038	U	0.12	0.038	0.016	mg/Kg	☼	10/23/15 16:26	1

Client Sample ID: AOPSK501

Lab Sample ID: 680-117942-60
Date Collected: 10/12/15 15:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 64.7

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Acenaphthylene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Anthracene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Benzo[a]anthracene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Benzo[a]pyrene	**0.081**	**J D**	0.25	0.12	0.045	mg/Kg	☼	10/28/15 20:39	5
Benzo[b]fluoranthene	**0.19**	**J D M**	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Benzo[g,h,i]perylene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Benzo[k]fluoranthene	0.12	U M	0.25	0.12	0.075	mg/Kg	☼	10/28/15 20:39	5
Chrysene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Fluoranthene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Fluorene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Indeno[1,2,3-cd]pyrene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Dibenz(a,h)anthracene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Naphthalene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
Phenanthrene	0.12	U	0.25	0.12	0.090	mg/Kg	☼	10/28/15 20:39	5
Pyrene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5
1-Methylnaphthalene	0.12	U	0.25	0.12	0.12	mg/Kg	☼	10/28/15 20:39	5
2-Methylnaphthalene	0.25	U	0.25	0.25	0.12	mg/Kg	☼	10/28/15 20:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*36 - 131*	*10/24/15 09:57*	*10/28/15 20:39*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.49	U	2.4	0.49	0.20	mg/Kg	☼	10/30/15 18:31	1
Atrazine	0.49	U	2.4	0.49	0.17	mg/Kg	☼	10/30/15 18:31	1
Benzaldehyde	1.2	U Q	2.4	1.2	0.42	mg/Kg	☼	10/30/15 18:31	1
1,1'-Biphenyl	12	U	12	12	12	mg/Kg	☼	10/30/15 18:31	1
Bis(2-chloroethoxy)methane	0.49	U	2.4	0.49	0.28	mg/Kg	☼	10/30/15 18:31	1
Bis(2-chloroethyl)ether	1.2	U	2.4	1.2	0.33	mg/Kg	☼	10/30/15 18:31	1
bis (2-chloroisopropyl) ether	0.49	U	2.4	0.49	0.22	mg/Kg	☼	10/30/15 18:31	1
Bis(2-ethylhexyl) phthalate	0.49	U	2.4	0.49	0.21	mg/Kg	☼	10/30/15 18:31	1
4-Bromophenyl phenyl ether	0.49	U	2.4	0.49	0.26	mg/Kg	☼	10/30/15 18:31	1
Butyl benzyl phthalate	0.49	U	2.4	0.49	0.19	mg/Kg	☼	10/30/15 18:31	1
Caprolactam	1.2	U	2.4	1.2	0.48	mg/Kg	☼	10/30/15 18:31	1
Carbazole	0.49	U	2.4	0.49	0.22	mg/Kg	☼	10/30/15 18:31	1
4-Chloroaniline	1.2	U	4.8	1.2	0.38	mg/Kg	☼	10/30/15 18:31	1
4-Chloro-3-methylphenol	0.49	U	2.4	0.49	0.25	mg/Kg	☼	10/30/15 18:31	1
2-Chloronaphthalene	0.49	U	2.4	0.49	0.25	mg/Kg	☼	10/30/15 18:31	1
2-Chlorophenol	0.49	U	2.4	0.49	0.29	mg/Kg	☼	10/30/15 18:31	1
4-Chlorophenyl phenyl ether	0.49	U	2.4	0.49	0.32	mg/Kg	☼	10/30/15 18:31	1
Dibenzofuran	0.49	U	2.4	0.49	0.24	mg/Kg	☼	10/30/15 18:31	1

Client Sample ID: AOPSK501
Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60
Matrix: Solid
Percent Solids: 64.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.49	U	4.8	0.49	0.20	mg/Kg	☼	10/30/15 18:31	1
2,4-Dichlorophenol	0.49	U	2.4	0.49	0.25	mg/Kg	☼	10/30/15 18:31	1
Diethyl phthalate	0.49	U	2.4	0.49	0.27	mg/Kg	☼	10/30/15 18:31	1
2,4-Dimethylphenol	1.2	U	2.4	1.2	0.32	mg/Kg	☼	10/30/15 18:31	1
Dimethyl phthalate	0.49	U	2.4	0.49	0.25	mg/Kg	☼	10/30/15 18:31	1
Di-n-butyl phthalate	0.49	U	2.4	0.49	0.22	mg/Kg	☼	10/30/15 18:31	1
2-Methyl-4,6-dinitrophenol	2.4	U	12	2.4	1.2	mg/Kg	☼	10/30/15 18:31	1
2,4-Dinitrophenol	9.4	U	12	9.4	6.0	mg/Kg	☼	10/30/15 18:31	1
2,4-Dinitrotoluene	1.2	U	2.4	1.2	0.36	mg/Kg	☼	10/30/15 18:31	1
2,6-Dinitrotoluene	0.49	U	2.4	0.49	0.30	mg/Kg	☼	10/30/15 18:31	1
Di-n-octyl phthalate	0.49	U	2.4	0.49	0.21	mg/Kg	☼	10/30/15 18:31	1
1,4-Dioxane	2.4	U Q	2.4	2.4	0.87	mg/Kg	☼	10/30/15 18:31	1
Hexachlorobenzene	0.49	U	2.4	0.49	0.28	mg/Kg	☼	10/30/15 18:31	1
Hexachlorobutadiene	0.49	U	2.4	0.49	0.26	mg/Kg	☼	10/30/15 18:31	1
Hexachlorocyclopentadiene	0.49	U Q	2.4	0.49	0.30	mg/Kg	☼	10/30/15 18:31	1
Hexachloroethane	0.49	U	2.4	0.49	0.20	mg/Kg	☼	10/30/15 18:31	1
Isophorone	0.49	U	2.4	0.49	0.24	mg/Kg	☼	10/30/15 18:31	1
2-Methylphenol	0.49	U	2.4	0.49	0.20	mg/Kg	☼	10/30/15 18:31	1
3 & 4 Methylphenol	0.49	U	2.4	0.49	0.31	mg/Kg	☼	10/30/15 18:31	1
2-Nitroaniline	0.49	U	12	0.49	0.33	mg/Kg	☼	10/30/15 18:31	1
3-Nitroaniline	1.2	U	12	1.2	0.33	mg/Kg	☼	10/30/15 18:31	1
4-Nitroaniline	1.2	U	12	1.2	0.36	mg/Kg	☼	10/30/15 18:31	1
Nitrobenzene	0.49	U	2.4	0.49	0.19	mg/Kg	☼	10/30/15 18:31	1
2-Nitrophenol	0.49	U	2.4	0.49	0.30	mg/Kg	☼	10/30/15 18:31	1
4-Nitrophenol	4.9	U	12	4.9	2.4	mg/Kg	☼	10/30/15 18:31	1
N-Nitrosodi-n-propylamine	0.49	U	2.4	0.49	0.23	mg/Kg	☼	10/30/15 18:31	1
N-Nitrosodiphenylamine	0.60	U	2.4	0.60	0.24	mg/Kg	☼	10/30/15 18:31	1
Pentachlorophenol	4.9	U	12	4.9	2.4	mg/Kg	☼	10/30/15 18:31	1
Phenol	0.49	U	2.4	0.49	0.25	mg/Kg	☼	10/30/15 18:31	1
1,2,4,5-Tetrachlorobenzene	0.49	U	2.4	0.49	0.22	mg/Kg	☼	10/30/15 18:31	1
2,3,4,6-Tetrachlorophenol	0.49	U	2.4	0.49	0.16	mg/Kg	☼	10/30/15 18:31	1
2,4,5-Trichlorophenol	0.49	U	2.4	0.49	0.25	mg/Kg	☼	10/30/15 18:31	1
2,4,6-Trichlorophenol	0.49	U	2.4	0.49	0.21	mg/Kg	☼	10/30/15 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*	*Q*	*58 - 130*	*10/24/15 08:26*	*10/30/15 18:31*	*1*
2-Fluorophenol (Surr)	*46*		*40 - 130*	*10/24/15 08:26*	*10/30/15 18:31*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 130*	*10/24/15 08:26*	*10/30/15 18:31*	*1*
Phenol-d5 (Surr)	*49*		*49 - 130*	*10/24/15 08:26*	*10/30/15 18:31*	*1*
Terphenyl-d14 (Surr)	*54*	*Q*	*60 - 130*	*10/24/15 08:26*	*10/30/15 18:31*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*	*10/24/15 08:26*	*10/30/15 18:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.51	U H	2.5	0.51	0.21	mg/Kg	☼	11/10/15 22:23	1
Atrazine	0.51	U H	2.5	0.51	0.17	mg/Kg	☼	11/10/15 22:23	1
Benzaldehyde	1.3	U H Q	2.5	1.3	0.44	mg/Kg	☼	11/10/15 22:23	1
1,1'-Biphenyl	13	U H	13	13	13	mg/Kg	☼	11/10/15 22:23	1
Bis(2-chloroethoxy)methane	0.51	U H	2.5	0.51	0.29	mg/Kg	☼	11/10/15 22:23	1
Bis(2-chloroethyl)ether	1.3	U H	2.5	1.3	0.34	mg/Kg	☼	11/10/15 22:23	1

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.51	U H	2.5	0.51	0.23	mg/Kg	☼	11/10/15 22:23	1
Bis(2-ethylhexyl) phthalate	**0.23**	**J H**	2.5	0.51	0.22	mg/Kg	☼	11/10/15 22:23	1
4-Bromophenyl phenyl ether	0.51	U H	2.5	0.51	0.27	mg/Kg	☼	11/10/15 22:23	1
Butyl benzyl phthalate	0.51	U H	2.5	0.51	0.20	mg/Kg	☼	11/10/15 22:23	1
Caprolactam	1.3	U H	2.5	1.3	0.50	mg/Kg	☼	11/10/15 22:23	1
Carbazole	0.51	U H	2.5	0.51	0.23	mg/Kg	☼	11/10/15 22:23	1
4-Chloroaniline	1.3	U H	5.0	1.3	0.39	mg/Kg	☼	11/10/15 22:23	1
4-Chloro-3-methylphenol	0.51	U H	2.5	0.51	0.26	mg/Kg	☼	11/10/15 22:23	1
2-Chloronaphthalene	0.51	U H	2.5	0.51	0.26	mg/Kg	☼	11/10/15 22:23	1
2-Chlorophenol	0.51	U H	2.5	0.51	0.30	mg/Kg	☼	11/10/15 22:23	1
4-Chlorophenyl phenyl ether	0.51	U H	2.5	0.51	0.33	mg/Kg	☼	11/10/15 22:23	1
Dibenzofuran	0.51	U H	2.5	0.51	0.25	mg/Kg	☼	11/10/15 22:23	1
3,3'-Dichlorobenzidine	0.51	U H	5.0	0.51	0.21	mg/Kg	☼	11/10/15 22:23	1
2,4-Dichlorophenol	0.51	U H	2.5	0.51	0.26	mg/Kg	☼	11/10/15 22:23	1
Diethyl phthalate	0.51	U H	2.5	0.51	0.28	mg/Kg	☼	11/10/15 22:23	1
2,4-Dimethylphenol	1.3	U H	2.5	1.3	0.33	mg/Kg	☼	11/10/15 22:23	1
Dimethyl phthalate	0.51	U H	2.5	0.51	0.26	mg/Kg	☼	11/10/15 22:23	1
Di-n-butyl phthalate	0.51	U H	2.5	0.51	0.23	mg/Kg	☼	11/10/15 22:23	1
2-Methyl-4,6-dinitrophenol	2.5	U H	13	2.5	1.3	mg/Kg	☼	11/10/15 22:23	1
2,4-Dinitrophenol	9.8	U H	13	9.8	6.3	mg/Kg	☼	11/10/15 22:23	1
2,4-Dinitrotoluene	1.3	U H	2.5	1.3	0.37	mg/Kg	☼	11/10/15 22:23	1
2,6-Dinitrotoluene	0.51	U H	2.5	0.51	0.32	mg/Kg	☼	11/10/15 22:23	1
Di-n-octyl phthalate	0.51	U H	2.5	0.51	0.22	mg/Kg	☼	11/10/15 22:23	1
1,4-Dioxane	2.5	U H	2.5	2.5	0.91	mg/Kg	☼	11/10/15 22:23	1
Hexachlorobenzene	0.51	U H	2.5	0.51	0.29	mg/Kg	☼	11/10/15 22:23	1
Hexachlorobutadiene	0.51	U H	2.5	0.51	0.27	mg/Kg	☼	11/10/15 22:23	1
Hexachlorocyclopentadiene	0.51	U H	2.5	0.51	0.31	mg/Kg	☼	11/10/15 22:23	1
Hexachloroethane	0.51	U H	2.5	0.51	0.21	mg/Kg	☼	11/10/15 22:23	1
Isophorone	0.51	U H	2.5	0.51	0.25	mg/Kg	☼	11/10/15 22:23	1
2-Methylphenol	0.51	U H	2.5	0.51	0.20	mg/Kg	☼	11/10/15 22:23	1
3 & 4 Methylphenol	0.51	U H	2.5	0.51	0.32	mg/Kg	☼	11/10/15 22:23	1
2-Nitroaniline	0.51	U H	13	0.51	0.34	mg/Kg	☼	11/10/15 22:23	1
3-Nitroaniline	1.3	U H	13	1.3	0.35	mg/Kg	☼	11/10/15 22:23	1
4-Nitroaniline	1.3	U H	13	1.3	0.37	mg/Kg	☼	11/10/15 22:23	1
Nitrobenzene	0.51	U H	2.5	0.51	0.20	mg/Kg	☼	11/10/15 22:23	1
2-Nitrophenol	0.51	U H	2.5	0.51	0.31	mg/Kg	☼	11/10/15 22:23	1
4-Nitrophenol	5.1	U H	13	5.1	2.5	mg/Kg	☼	11/10/15 22:23	1
N-Nitrosodi-n-propylamine	0.51	U H	2.5	0.51	0.24	mg/Kg	☼	11/10/15 22:23	1
N-Nitrosodiphenylamine	0.63	U H	2.5	0.63	0.25	mg/Kg	☼	11/10/15 22:23	1
Pentachlorophenol	5.1	U H	13	5.1	2.5	mg/Kg	☼	11/10/15 22:23	1
Phenol	0.51	U H	2.5	0.51	0.26	mg/Kg	☼	11/10/15 22:23	1
1,2,4,5-Tetrachlorobenzene	0.51	U H	2.5	0.51	0.23	mg/Kg	☼	11/10/15 22:23	1
2,3,4,6-Tetrachlorophenol	0.51	U H	2.5	0.51	0.17	mg/Kg	☼	11/10/15 22:23	1
2,4,5-Trichlorophenol	0.51	U H	2.5	0.51	0.26	mg/Kg	☼	11/10/15 22:23	1
2,4,6-Trichlorophenol	0.51	U H	2.5	0.51	0.22	mg/Kg	☼	11/10/15 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*58 - 130*	*11/09/15 15:06*	*11/10/15 22:23*	*1*
2-Fluorophenol (Surr)	*57*		*40 - 130*	*11/09/15 15:06*	*11/10/15 22:23*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 130*	*11/09/15 15:06*	*11/10/15 22:23*	*1*

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	60		49 - 130	11/09/15 15:06	11/10/15 22:23	1
Terphenyl-d14 (Surr)	71		60 - 130	11/09/15 15:06	11/10/15 22:23	1
2,4,6-Tribromophenol (Surr)	64		58 - 130	11/09/15 15:06	11/10/15 22:23	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**19000**	**D**	150	31	4.7	mg/Kg	☼	10/27/15 14:53	10
Antimony	**0.27**	**J D**	3.1	1.1	0.11	mg/Kg	☼	10/27/15 14:53	10
Arsenic	**3.1**	**J D**	7.7	1.1	0.20	mg/Kg	☼	10/27/15 14:53	10
Barium	**50**	**D**	7.7	2.3	1.7	mg/Kg	☼	10/27/15 14:53	10
Beryllium	**0.36**	**J D**	1.5	0.77	0.084	mg/Kg	☼	10/27/15 14:53	10
Cadmium	**0.37**	**J D**	3.1	0.077	0.028	mg/Kg	☼	10/27/15 14:53	10
Calcium	**85000**	**D**	6100	1500	340	mg/Kg	☼	10/27/15 17:35	20
Chromium	**310**	**D**	7.7	3.4	0.46	mg/Kg	☼	10/27/15 14:53	10
Cobalt	**30**	**D**	1.5	0.11	0.013	mg/Kg	☼	10/27/15 14:53	10
Copper	**34**	**D**	6.1	2.3	0.74	mg/Kg	☼	10/27/15 14:53	10
Iron	**37000**	**D**	770	230	24	mg/Kg	☼	10/27/15 14:53	10
Lead	**36**	**D**	4.6	1.5	0.34	mg/Kg	☼	10/27/15 14:53	10
Magnesium	**29000**	**D**	1500	190	31	mg/Kg	☼	10/27/15 14:53	10
Manganese	**650**	**D**	7.7	3.1	0.92	mg/Kg	☼	10/27/15 14:53	10
Nickel	**540**	**D**	7.7	1.9	0.30	mg/Kg	☼	10/27/15 14:53	10
Potassium	**1800**	**D**	1500	77	38	mg/Kg	☼	10/27/15 14:53	10
Selenium	**0.91**	**J D**	7.7	0.46	0.31	mg/Kg	☼	10/27/15 14:53	10
Silver	**0.038**	**J D**	1.5	0.38	0.011	mg/Kg	☼	10/27/15 14:53	10
Sodium	**500**	**J D**	1500	310	67	mg/Kg	☼	10/27/15 14:53	10
Thallium	1.1	U	3.1	1.1	0.15	mg/Kg	☼	10/27/15 14:53	10
V	**91**	**D**	7.7	0.77	0.28	mg/Kg	☼	10/27/15 14:53	10
Zinc	**69**	**D**	61	15	3.8	mg/Kg	☼	10/27/15 14:53	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.047	U	0.14	0.047	0.020	mg/Kg	☼	10/23/15 16:23	1

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	**0.072**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Acenaphthylene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Anthracene	**0.10**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Benzo[a]anthracene	**0.53**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Benzo[a]pyrene	**0.46**		0.038	0.019	0.0067	mg/Kg	☼	10/28/15 17:47	1
Benzo[b]fluoranthene	**0.61**	**M**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Benzo[g,h,i]perylene	**0.24**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Benzo[k]fluoranthene	**0.28**	**M**	0.038	0.019	0.011	mg/Kg	☼	10/28/15 17:47	1
Chrysene	**0.56**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Fluoranthene	**1.1**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Fluorene	**0.028**	**J**	0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.29**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Dibenz(a,h)anthracene	**0.080**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Naphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
Phenanthrene	**0.69**		0.038	0.019	0.013	mg/Kg	☼	10/28/15 17:47	1
Pyrene	**0.83**		0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1
1-Methylnaphthalene	0.019	U	0.038	0.019	0.017	mg/Kg	☼	10/28/15 17:47	1
2-Methylnaphthalene	0.038	U	0.038	0.038	0.019	mg/Kg	☼	10/28/15 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*36 - 131*	*10/24/15 09:57*	*10/28/15 17:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/30/15 18:55	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	10/30/15 18:55	1
Benzaldehyde	0.93	U Q	1.8	0.93	0.32	mg/Kg	☼	10/30/15 18:55	1
1,1'-Biphenyl	9.3	U	9.3	9.3	9.3	mg/Kg	☼	10/30/15 18:55	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.21	mg/Kg	☼	10/30/15 18:55	1
Bis(2-chloroethyl)ether	0.93	U	1.8	0.93	0.25	mg/Kg	☼	10/30/15 18:55	1
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 18:55	1
Bis(2-ethylhexyl) phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 18:55	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/30/15 18:55	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/30/15 18:55	1
Caprolactam	0.93	U	1.8	0.93	0.36	mg/Kg	☼	10/30/15 18:55	1
Carbazole	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 18:55	1
4-Chloroaniline	0.93	U	3.6	0.93	0.28	mg/Kg	☼	10/30/15 18:55	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 18:55	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 18:55	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/30/15 18:55	1
4-Chlorophenyl phenyl ether	0.37	U	1.8	0.37	0.24	mg/Kg	☼	10/30/15 18:55	1
Dibenzofuran	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/30/15 18:55	1
3,3'-Dichlorobenzidine	0.37	U	3.6	0.37	0.15	mg/Kg	☼	10/30/15 18:55	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 18:55	1
Diethyl phthalate	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/30/15 18:55	1
2,4-Dimethylphenol	0.93	U	1.8	0.93	0.24	mg/Kg	☼	10/30/15 18:55	1
Dimethyl phthalate	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 18:55	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 18:55	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.3	1.8	0.93	mg/Kg	☼	10/30/15 18:55	1
2,4-Dinitrophenol	7.1	U	9.3	7.1	4.5	mg/Kg	☼	10/30/15 18:55	1
2,4-Dinitrotoluene	0.93	U	1.8	0.93	0.27	mg/Kg	☼	10/30/15 18:55	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/30/15 18:55	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 18:55	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.66	mg/Kg	☼	10/30/15 18:55	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.21	mg/Kg	☼	10/30/15 18:55	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/30/15 18:55	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.22	mg/Kg	☼	10/30/15 18:55	1
Hexachloroethane	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/30/15 18:55	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/30/15 18:55	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/30/15 18:55	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/30/15 18:55	1

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Nitroaniline	0.37	U	9.3	0.37	0.25	mg/Kg	☼	10/30/15 18:55	1
3-Nitroaniline	0.93	U	9.3	0.93	0.25	mg/Kg	☼	10/30/15 18:55	1
4-Nitroaniline	0.93	U	9.3	0.93	0.27	mg/Kg	☼	10/30/15 18:55	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/30/15 18:55	1
2-Nitrophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/30/15 18:55	1
4-Nitrophenol	3.7	U	9.3	3.7	1.8	mg/Kg	☼	10/30/15 18:55	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/30/15 18:55	1
N-Nitrosodiphenylamine	0.45	U	1.8	0.45	0.18	mg/Kg	☼	10/30/15 18:55	1
Pentachlorophenol	3.7	U	9.3	3.7	1.8	mg/Kg	☼	10/30/15 18:55	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 18:55	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/30/15 18:55	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	10/30/15 18:55	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 18:55	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*58 - 130*	*10/24/15 08:26*	*10/30/15 18:55*	*1*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*10/24/15 08:26*	*10/30/15 18:55*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/24/15 08:26*	*10/30/15 18:55*	*1*
Phenol-d5 (Surr)	*60*		*49 - 130*	*10/24/15 08:26*	*10/30/15 18:55*	*1*
Terphenyl-d14 (Surr)	*73*		*60 - 130*	*10/24/15 08:26*	*10/30/15 18:55*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*	*10/24/15 08:26*	*10/30/15 18:55*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/10/15 22:46	1
Atrazine	0.38	U H	1.9	0.38	0.13	mg/Kg	☼	11/10/15 22:46	1
Benzaldehyde	0.96	U H Q	1.9	0.96	0.33	mg/Kg	☼	11/10/15 22:46	1
1,1'-Biphenyl	9.6	U H	9.6	9.6	9.6	mg/Kg	☼	11/10/15 22:46	1
Bis(2-chloroethoxy)methane	0.38	U H	1.9	0.38	0.22	mg/Kg	☼	11/10/15 22:46	1
Bis(2-chloroethyl)ether	0.96	U H	1.9	0.96	0.25	mg/Kg	☼	11/10/15 22:46	1
bis (2-chloroisopropyl) ether	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/10/15 22:46	1
Bis(2-ethylhexyl) phthalate	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/10/15 22:46	1
4-Bromophenyl phenyl ether	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/10/15 22:46	1
Butyl benzyl phthalate	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/10/15 22:46	1
Caprolactam	0.96	U H	1.9	0.96	0.37	mg/Kg	☼	11/10/15 22:46	1
Carbazole	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/10/15 22:46	1
4-Chloroaniline	0.96	U H	3.7	0.96	0.29	mg/Kg	☼	11/10/15 22:46	1
4-Chloro-3-methylphenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/10/15 22:46	1
2-Chloronaphthalene	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/10/15 22:46	1
2-Chlorophenol	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/10/15 22:46	1
4-Chlorophenyl phenyl ether	0.38	U H	1.9	0.38	0.25	mg/Kg	☼	11/10/15 22:46	1
Dibenzofuran	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/10/15 22:46	1
3,3'-Dichlorobenzidine	0.38	U H	3.7	0.38	0.16	mg/Kg	☼	11/10/15 22:46	1
2,4-Dichlorophenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/10/15 22:46	1
Diethyl phthalate	0.38	U H	1.9	0.38	0.21	mg/Kg	☼	11/10/15 22:46	1
2,4-Dimethylphenol	0.96	U H	1.9	0.96	0.25	mg/Kg	☼	11/10/15 22:46	1
Dimethyl phthalate	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/10/15 22:46	1
Di-n-butyl phthalate	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/10/15 22:46	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.6	1.9	0.96	mg/Kg	☼	11/10/15 22:46	1

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrophenol	7.3	U H	9.6	7.3	4.7	mg/Kg	☼	11/10/15 22:46	1
2,4-Dinitrotoluene	0.96	U H	1.9	0.96	0.28	mg/Kg	☼	11/10/15 22:46	1
2,6-Dinitrotoluene	0.38	U H	1.9	0.38	0.24	mg/Kg	☼	11/10/15 22:46	1
Di-n-octyl phthalate	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/10/15 22:46	1
1,4-Dioxane	1.9	U H	1.9	1.9	0.68	mg/Kg	☼	11/10/15 22:46	1
Hexachlorobenzene	0.38	U H	1.9	0.38	0.22	mg/Kg	☼	11/10/15 22:46	1
Hexachlorobutadiene	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/10/15 22:46	1
Hexachlorocyclopentadiene	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/10/15 22:46	1
Hexachloroethane	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/10/15 22:46	1
Isophorone	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/10/15 22:46	1
2-Methylphenol	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/10/15 22:46	1
3 & 4 Methylphenol	0.38	U H	1.9	0.38	0.24	mg/Kg	☼	11/10/15 22:46	1
2-Nitroaniline	0.38	U H	9.6	0.38	0.25	mg/Kg	☼	11/10/15 22:46	1
3-Nitroaniline	0.96	U H	9.6	0.96	0.26	mg/Kg	☼	11/10/15 22:46	1
4-Nitroaniline	0.96	U H	9.6	0.96	0.28	mg/Kg	☼	11/10/15 22:46	1
Nitrobenzene	0.38	U H	1.9	0.38	0.15	mg/Kg	☼	11/10/15 22:46	1
2-Nitrophenol	0.38	U H	1.9	0.38	0.23	mg/Kg	☼	11/10/15 22:46	1
4-Nitrophenol	3.8	U H	9.6	3.8	1.9	mg/Kg	☼	11/10/15 22:46	1
N-Nitrosodi-n-propylamine	0.38	U H	1.9	0.38	0.18	mg/Kg	☼	11/10/15 22:46	1
N-Nitrosodiphenylamine	0.47	U H	1.9	0.47	0.19	mg/Kg	☼	11/10/15 22:46	1
Pentachlorophenol	3.8	U H	9.6	3.8	1.9	mg/Kg	☼	11/10/15 22:46	1
Phenol	0.38	U H	1.9	0.38	0.19	mg/Kg	☼	11/10/15 22:46	1
1,2,4,5-Tetrachlorobenzene	0.38	U H	1.9	0.38	0.17	mg/Kg	☼	11/10/15 22:46	1
2,3,4,6-Tetrachlorophenol	0.38	U H	1.9	0.38	0.12	mg/Kg	☼	11/10/15 22:46	1
2,4,5-Trichlorophenol	0.38	U H	1.9	0.38	0.20	mg/Kg	☼	11/10/15 22:46	1
2,4,6-Trichlorophenol	0.38	U H	1.9	0.38	0.16	mg/Kg	☼	11/10/15 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*	*11/09/15 15:06*	*11/10/15 22:46*	*1*
2-Fluorophenol (Surr)	*60*		*40 - 130*	*11/09/15 15:06*	*11/10/15 22:46*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*	*11/09/15 15:06*	*11/10/15 22:46*	*1*
Phenol-d5 (Surr)	*61*		*49 - 130*	*11/09/15 15:06*	*11/10/15 22:46*	*1*
Terphenyl-d14 (Surr)	*72*		*60 - 130*	*11/09/15 15:06*	*11/10/15 22:46*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*58 - 130*	*11/09/15 15:06*	*11/10/15 22:46*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**20000**	**D**	100	21	3.2	mg/Kg	☼	10/27/15 14:57	10
Antimony	**0.18**	**J D**	2.1	0.77	0.072	mg/Kg	☼	10/27/15 14:57	10
Arsenic	**1.7**	**J D**	5.1	0.77	0.13	mg/Kg	☼	10/27/15 14:57	10
Barium	**39**	**D**	5.1	1.5	1.1	mg/Kg	☼	10/27/15 14:57	10
Beryllium	**0.29**	**J D**	1.0	0.51	0.057	mg/Kg	☼	10/27/15 14:57	10
Cadmium	**0.24**	**J D**	2.1	0.051	0.019	mg/Kg	☼	10/27/15 14:57	10
Calcium	**17000**	**D**	2100	510	110	mg/Kg	☼	10/27/15 14:57	10
Chromium	**360**	**D**	5.1	2.3	0.31	mg/Kg	☼	10/27/15 14:57	10
Cobalt	**42**	**D**	1.0	0.077	0.0088	mg/Kg	☼	10/27/15 14:57	10
Copper	**37**	**D**	4.1	1.5	0.50	mg/Kg	☼	10/27/15 14:57	10
Iron	**41000**	**D**	510	150	16	mg/Kg	☼	10/27/15 14:57	10
Lead	**21**	**D**	3.1	1.0	0.23	mg/Kg	☼	10/27/15 14:57	10
Magnesium	**68000**	**D**	2100	260	41	mg/Kg	☼	10/27/15 17:39	20

Client Sample ID: AOPSL301

Lab Sample ID: 680-117942-61
Date Collected: 10/12/15 15:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 89.9

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Manganese	670	D	5.1	2.1	0.62	mg/Kg	☼	10/27/15 14:57	10
Nickel	830	D	5.1	1.3	0.20	mg/Kg	☼	10/27/15 14:57	10
Potassium	2000	D	1000	51	25	mg/Kg	☼	10/27/15 14:57	10
Selenium	0.65	J D	5.1	0.31	0.21	mg/Kg	☼	10/27/15 14:57	10
Silver	0.056	J D	1.0	0.26	0.0072	mg/Kg	☼	10/27/15 14:57	10
Sodium	140	J D	1000	210	45	mg/Kg	☼	10/27/15 14:57	10
Thallium	0.77	U	2.1	0.77	0.098	mg/Kg	☼	10/27/15 14:57	10
V	97	D	5.1	0.51	0.19	mg/Kg	☼	10/27/15 14:57	10
Zinc	65	D	41	10	2.6	mg/Kg	☼	10/27/15 14:57	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.035	J	0.12	0.040	0.017	mg/Kg	☼	10/23/15 16:24	1

Client Sample ID: AOPCL301

Lab Sample ID: 680-117942-62
Date Collected: 10/12/15 15:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 90.0

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.028	J	0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Acenaphthylene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Anthracene	0.038		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Benzo[a]anthracene	0.24		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Benzo[a]pyrene	0.24		0.037	0.018	0.0066	mg/Kg	☼	10/27/15 21:58	1
Benzo[b]fluoranthene	0.35	M	0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Benzo[g,h,i]perylene	0.11		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Benzo[k]fluoranthene	0.17	M	0.037	0.018	0.011	mg/Kg	☼	10/27/15 21:58	1
Chrysene	0.28		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Fluoranthene	0.57		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Fluorene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Indeno[1,2,3-cd]pyrene	0.099		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Dibenz(a,h)anthracene	0.037		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Naphthalene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
Phenanthrene	0.29		0.037	0.018	0.013	mg/Kg	☼	10/27/15 21:58	1
Pyrene	0.39		0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1
1-Methylnaphthalene	0.018	U	0.037	0.018	0.017	mg/Kg	☼	10/27/15 21:58	1
2-Methylnaphthalene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/27/15 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*36 - 131*	*10/23/15 12:45*	*10/27/15 21:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 14:03	1
Atrazine	0.37	U	1.8	0.37	0.13	mg/Kg	☼	10/30/15 14:03	1
Benzaldehyde	0.94	U Q	1.8	0.94	0.32	mg/Kg	☼	10/30/15 14:03	1
1,1'-Biphenyl	9.4	U	9.4	9.4	9.4	mg/Kg	☼	10/30/15 14:03	1
Bis(2-chloroethoxy)methane	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/30/15 14:03	1
Bis(2-chloroethyl)ether	0.94	U	1.8	0.94	0.25	mg/Kg	☼	10/30/15 14:03	1

Client Sample ID: AOPCL301
Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62
Matrix: Solid
Percent Solids: 90.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/30/15 14:03	1
Bis(2-ethylhexyl) phthalate	**0.33**	**J**	1.8	0.37	0.16	mg/Kg	☼	10/30/15 14:03	1
4-Bromophenyl phenyl ether	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/30/15 14:03	1
Butyl benzyl phthalate	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/30/15 14:03	1
Caprolactam	0.94	U	1.8	0.94	0.37	mg/Kg	☼	10/30/15 14:03	1
Carbazole	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/30/15 14:03	1
4-Chloroaniline	0.94	U	3.7	0.94	0.29	mg/Kg	☼	10/30/15 14:03	1
4-Chloro-3-methylphenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 14:03	1
2-Chloronaphthalene	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 14:03	1
2-Chlorophenol	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/30/15 14:03	1
4-Chlorophenyl phenyl ether	0.37	U Q	1.8	0.37	0.24	mg/Kg	☼	10/30/15 14:03	1
Dibenzofuran	0.37	U Q	1.8	0.37	0.18	mg/Kg	☼	10/30/15 14:03	1
3,3'-Dichlorobenzidine	0.37	U	3.7	0.37	0.16	mg/Kg	☼	10/30/15 14:03	1
2,4-Dichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 14:03	1
Diethyl phthalate	0.37	U Q	1.8	0.37	0.21	mg/Kg	☼	10/30/15 14:03	1
2,4-Dimethylphenol	0.94	U	1.8	0.94	0.24	mg/Kg	☼	10/30/15 14:03	1
Dimethyl phthalate	0.37	U Q	1.8	0.37	0.19	mg/Kg	☼	10/30/15 14:03	1
Di-n-butyl phthalate	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/30/15 14:03	1
2-Methyl-4,6-dinitrophenol	1.8	U	9.4	1.8	0.94	mg/Kg	☼	10/30/15 14:03	1
2,4-Dinitrophenol	7.2	U	9.4	7.2	4.6	mg/Kg	☼	10/30/15 14:03	1
2,4-Dinitrotoluene	0.94	U Q	1.8	0.94	0.27	mg/Kg	☼	10/30/15 14:03	1
2,6-Dinitrotoluene	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/30/15 14:03	1
Di-n-octyl phthalate	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 14:03	1
1,4-Dioxane	1.8	U Q	1.8	1.8	0.67	mg/Kg	☼	10/30/15 14:03	1
Hexachlorobenzene	0.37	U	1.8	0.37	0.22	mg/Kg	☼	10/30/15 14:03	1
Hexachlorobutadiene	0.37	U	1.8	0.37	0.20	mg/Kg	☼	10/30/15 14:03	1
Hexachlorocyclopentadiene	0.37	U Q	1.8	0.37	0.23	mg/Kg	☼	10/30/15 14:03	1
Hexachloroethane	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 14:03	1
Isophorone	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/30/15 14:03	1
2-Methylphenol	0.37	U	1.8	0.37	0.15	mg/Kg	☼	10/30/15 14:03	1
3 & 4 Methylphenol	0.37	U	1.8	0.37	0.24	mg/Kg	☼	10/30/15 14:03	1
2-Nitroaniline	0.37	U Q	9.4	0.37	0.25	mg/Kg	☼	10/30/15 14:03	1
3-Nitroaniline	0.94	U	9.4	0.94	0.26	mg/Kg	☼	10/30/15 14:03	1
4-Nitroaniline	0.94	U Q	9.4	0.94	0.27	mg/Kg	☼	10/30/15 14:03	1
Nitrobenzene	0.37	U	1.8	0.37	0.14	mg/Kg	☼	10/30/15 14:03	1
2-Nitrophenol	0.37	U	1.8	0.37	0.23	mg/Kg	☼	10/30/15 14:03	1
4-Nitrophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	10/30/15 14:03	1
N-Nitrosodi-n-propylamine	0.37	U	1.8	0.37	0.18	mg/Kg	☼	10/30/15 14:03	1
N-Nitrosodiphenylamine	0.46	U	1.8	0.46	0.18	mg/Kg	☼	10/30/15 14:03	1
Pentachlorophenol	3.7	U	9.4	3.7	1.8	mg/Kg	☼	10/30/15 14:03	1
Phenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 14:03	1
1,2,4,5-Tetrachlorobenzene	0.37	U	1.8	0.37	0.17	mg/Kg	☼	10/30/15 14:03	1
2,3,4,6-Tetrachlorophenol	0.37	U	1.8	0.37	0.12	mg/Kg	☼	10/30/15 14:03	1
2,4,5-Trichlorophenol	0.37	U	1.8	0.37	0.19	mg/Kg	☼	10/30/15 14:03	1
2,4,6-Trichlorophenol	0.37	U	1.8	0.37	0.16	mg/Kg	☼	10/30/15 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*58 - 130*	*10/23/15 12:45*	*10/30/15 14:03*	*1*
2-Fluorophenol (Surr)	*54*		*40 - 130*	*10/23/15 12:45*	*10/30/15 14:03*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 130*	*10/23/15 12:45*	*10/30/15 14:03*	*1*

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	57		49 - 130	10/23/15 12:45	10/30/15 14:03	1
Terphenyl-d14 (Surr)	65		60 - 130	10/23/15 12:45	10/30/15 14:03	1
2,4,6-Tribromophenol (Surr)	64		58 - 130	10/23/15 12:45	10/30/15 14:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/03/15 19:54	1
Atrazine	0.35	U H	1.7	0.35	0.12	mg/Kg	☼	11/03/15 19:54	1
Benzaldehyde	0.90	U H	1.7	0.90	0.31	mg/Kg	☼	11/03/15 19:54	1
1,1'-Biphenyl	9.0	U H	9.0	9.0	9.0	mg/Kg	☼	11/03/15 19:54	1
Bis(2-chloroethoxy)methane	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/03/15 19:54	1
Bis(2-chloroethyl)ether	0.90	U H	1.7	0.90	0.24	mg/Kg	☼	11/03/15 19:54	1
bis (2-chloroisopropyl) ether	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/03/15 19:54	1
Bis(2-ethylhexyl) phthalate	**0.18**	**J H**	1.7	0.35	0.15	mg/Kg	☼	11/03/15 19:54	1
4-Bromophenyl phenyl ether	0.35	U H	1.7	0.35	0.19	mg/Kg	☼	11/03/15 19:54	1
Butyl benzyl phthalate	0.35	U H	1.7	0.35	0.14	mg/Kg	☼	11/03/15 19:54	1
Caprolactam	0.90	U H	1.7	0.90	0.35	mg/Kg	☼	11/03/15 19:54	1
Carbazole	**0.48**	**J H**	1.7	0.35	0.16	mg/Kg	☼	11/03/15 19:54	1
4-Chloroaniline	0.90	U H	3.5	0.90	0.27	mg/Kg	☼	11/03/15 19:54	1
4-Chloro-3-methylphenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/03/15 19:54	1
2-Chloronaphthalene	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/03/15 19:54	1
2-Chlorophenol	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/03/15 19:54	1
4-Chlorophenyl phenyl ether	0.35	U H	1.7	0.35	0.23	mg/Kg	☼	11/03/15 19:54	1
Dibenzofuran	**0.27**	**J H**	1.7	0.35	0.17	mg/Kg	☼	11/03/15 19:54	1
3,3'-Dichlorobenzidine	0.35	U H	3.5	0.35	0.15	mg/Kg	☼	11/03/15 19:54	1
2,4-Dichlorophenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/03/15 19:54	1
Diethyl phthalate	0.35	U H	1.7	0.35	0.20	mg/Kg	☼	11/03/15 19:54	1
2,4-Dimethylphenol	0.90	U H	1.7	0.90	0.23	mg/Kg	☼	11/03/15 19:54	1
Dimethyl phthalate	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/03/15 19:54	1
Di-n-butyl phthalate	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/03/15 19:54	1
2-Methyl-4,6-dinitrophenol	1.7	U H	9.0	1.7	0.90	mg/Kg	☼	11/03/15 19:54	1
2,4-Dinitrophenol	6.9	U H Q	9.0	6.9	4.4	mg/Kg	☼	11/03/15 19:54	1
2,4-Dinitrotoluene	0.90	U H	1.7	0.90	0.26	mg/Kg	☼	11/03/15 19:54	1
2,6-Dinitrotoluene	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/03/15 19:54	1
Di-n-octyl phthalate	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/03/15 19:54	1
1,4-Dioxane	1.7	U H	1.7	1.7	0.63	mg/Kg	☼	11/03/15 19:54	1
Hexachlorobenzene	0.35	U H	1.7	0.35	0.21	mg/Kg	☼	11/03/15 19:54	1
Hexachlorobutadiene	0.35	U H	1.7	0.35	0.19	mg/Kg	☼	11/03/15 19:54	1
Hexachlorocyclopentadiene	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/03/15 19:54	1
Hexachloroethane	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/03/15 19:54	1
Isophorone	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/03/15 19:54	1
2-Methylphenol	0.35	U H	1.7	0.35	0.14	mg/Kg	☼	11/03/15 19:54	1
3 & 4 Methylphenol	0.35	U H	1.7	0.35	0.23	mg/Kg	☼	11/03/15 19:54	1
2-Nitroaniline	0.35	U H	9.0	0.35	0.24	mg/Kg	☼	11/03/15 19:54	1
3-Nitroaniline	0.90	U H	9.0	0.90	0.24	mg/Kg	☼	11/03/15 19:54	1
4-Nitroaniline	0.90	U H	9.0	0.90	0.26	mg/Kg	☼	11/03/15 19:54	1
Nitrobenzene	0.35	U H	1.7	0.35	0.14	mg/Kg	☼	11/03/15 19:54	1
2-Nitrophenol	0.35	U H	1.7	0.35	0.22	mg/Kg	☼	11/03/15 19:54	1
4-Nitrophenol	3.5	U H	9.0	3.5	1.7	mg/Kg	☼	11/03/15 19:54	1

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.35	U H	1.7	0.35	0.17	mg/Kg	☼	11/03/15 19:54	1
N-Nitrosodiphenylamine	0.44	U H	1.7	0.44	0.17	mg/Kg	☼	11/03/15 19:54	1
Pentachlorophenol	3.5	U H	9.0	3.5	1.7	mg/Kg	☼	11/03/15 19:54	1
Phenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/03/15 19:54	1
1,2,4,5-Tetrachlorobenzene	0.35	U H	1.7	0.35	0.16	mg/Kg	☼	11/03/15 19:54	1
2,3,4,6-Tetrachlorophenol	0.35	U H	1.7	0.35	0.12	mg/Kg	☼	11/03/15 19:54	1
2,4,5-Trichlorophenol	0.35	U H	1.7	0.35	0.18	mg/Kg	☼	11/03/15 19:54	1
2,4,6-Trichlorophenol	0.35	U H	1.7	0.35	0.15	mg/Kg	☼	11/03/15 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*58 - 130*	*10/28/15 15:25*	*11/03/15 19:54*	*1*
2-Fluorophenol (Surr)	*62*		*40 - 130*	*10/28/15 15:25*	*11/03/15 19:54*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 130*	*10/28/15 15:25*	*11/03/15 19:54*	*1*
Phenol-d5 (Surr)	*69*		*49 - 130*	*10/28/15 15:25*	*11/03/15 19:54*	*1*
Terphenyl-d14 (Surr)	*74*		*60 - 130*	*10/28/15 15:25*	*11/03/15 19:54*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*58 - 130*	*10/28/15 15:25*	*11/03/15 19:54*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**20000**	**D**	93	19	2.9	mg/Kg	☼	10/27/15 15:08	10
Antimony	**0.20**	**J D**	1.9	0.69	0.065	mg/Kg	☼	10/27/15 15:08	10
Arsenic	**1.6**	**J D**	4.6	0.69	0.12	mg/Kg	☼	10/27/15 15:08	10
Barium	**37**	**D**	4.6	1.4	1.0	mg/Kg	☼	10/27/15 15:08	10
Beryllium	**0.30**	**J D**	0.93	0.46	0.051	mg/Kg	☼	10/27/15 15:08	10
Cadmium	**0.24**	**J D**	1.9	0.046	0.017	mg/Kg	☼	10/27/15 15:08	10
Calcium	**16000**	**D**	1900	460	100	mg/Kg	☼	10/27/15 15:08	10
Chromium	**350**	**D**	4.6	2.1	0.28	mg/Kg	☼	10/27/15 15:08	10
Cobalt	**39**	**D**	0.93	0.069	0.0079	mg/Kg	☼	10/27/15 15:08	10
Copper	**35**	**D**	3.7	1.4	0.45	mg/Kg	☼	10/27/15 15:08	10
Iron	**39000**	**D**	460	140	15	mg/Kg	☼	10/27/15 15:08	10
Lead	**21**	**D**	2.8	0.93	0.21	mg/Kg	☼	10/27/15 15:08	10
Magnesium	**66000**	**D**	1900	230	37	mg/Kg	☼	10/27/15 17:42	20
Manganese	**630**	**D**	4.6	1.9	0.56	mg/Kg	☼	10/27/15 15:08	10
Nickel	**780**	**D**	4.6	1.2	0.18	mg/Kg	☼	10/27/15 15:08	10
Potassium	**1900**	**D**	930	46	23	mg/Kg	☼	10/27/15 15:08	10
Selenium	**0.63**	**J D**	4.6	0.28	0.19	mg/Kg	☼	10/27/15 15:08	10
Silver	**0.062**	**J D**	0.93	0.23	0.0065	mg/Kg	☼	10/27/15 15:08	10
Sodium	**140**	**J D**	930	190	40	mg/Kg	☼	10/27/15 15:08	10
Thallium	0.69	U	1.9	0.69	0.088	mg/Kg	☼	10/27/15 15:08	10
V	**91**	**D**	4.6	0.46	0.17	mg/Kg	☼	10/27/15 15:08	10
Zinc	**63**	**D**	37	9.3	2.3	mg/Kg	☼	10/27/15 15:08	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.041**	**J**	0.12	0.039	0.016	mg/Kg	☼	10/23/15 16:32	1

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Acenaphthylene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Benzo[a]anthracene	**0.021**	**J**	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Benzo[a]pyrene	**0.026**	**J**	0.041	0.020	0.0073	mg/Kg	☼	10/27/15 21:33	1
Benzo[b]fluoranthene	**0.048**		0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Benzo[g,h,i]perylene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Benzo[k]fluoranthene	**0.012**	**J M**	0.041	0.020	0.012	mg/Kg	☼	10/27/15 21:33	1
Chrysene	**0.029**	**J**	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Fluoranthene	**0.047**		0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Fluorene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Indeno[1,2,3-cd]pyrene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Dibenz(a,h)anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Naphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
Phenanthrene	**0.020**	**J**	0.041	0.020	0.015	mg/Kg	☼	10/27/15 21:33	1
Pyrene	**0.036**	**J**	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1
1-Methylnaphthalene	0.020	U	0.041	0.020	0.019	mg/Kg	☼	10/27/15 21:33	1
2-Methylnaphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*47*		*36 - 131*	*10/23/15 12:45*	*10/27/15 21:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 14:27	1
Atrazine	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/30/15 14:27	1
Benzaldehyde	1.0	U Q	2.0	1.0	0.36	mg/Kg	☼	10/30/15 14:27	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/30/15 14:27	1
Bis(2-chloroethoxy)methane	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/30/15 14:27	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.28	mg/Kg	☼	10/30/15 14:27	1
bis (2-chloroisopropyl) ether	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 14:27	1
Bis(2-ethylhexyl) phthalate	**0.39**	**J**	2.0	0.41	0.18	mg/Kg	☼	10/30/15 14:27	1
4-Bromophenyl phenyl ether	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 14:27	1
Butyl benzyl phthalate	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/30/15 14:27	1
Caprolactam	1.0	U	2.0	1.0	0.40	mg/Kg	☼	10/30/15 14:27	1
Carbazole	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 14:27	1
4-Chloroaniline	1.0	U	4.0	1.0	0.32	mg/Kg	☼	10/30/15 14:27	1
4-Chloro-3-methylphenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 14:27	1
2-Chloronaphthalene	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 14:27	1
2-Chlorophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/30/15 14:27	1
4-Chlorophenyl phenyl ether	0.41	U Q	2.0	0.41	0.27	mg/Kg	☼	10/30/15 14:27	1
Dibenzofuran	0.41	U Q	2.0	0.41	0.20	mg/Kg	☼	10/30/15 14:27	1
3,3'-Dichlorobenzidine	0.41	U	4.0	0.41	0.17	mg/Kg	☼	10/30/15 14:27	1
2,4-Dichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 14:27	1
Diethyl phthalate	0.41	U Q	2.0	0.41	0.23	mg/Kg	☼	10/30/15 14:27	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/30/15 14:27	1
Dimethyl phthalate	0.41	U Q	2.0	0.41	0.21	mg/Kg	☼	10/30/15 14:27	1
Di-n-butyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 14:27	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/30/15 14:27	1
2,4-Dinitrophenol	8.0	U	10	8.0	5.1	mg/Kg	☼	10/30/15 14:27	1

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.0	U Q	2.0	1.0	0.30	mg/Kg	☼	10/30/15 14:27	1
2,6-Dinitrotoluene	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/30/15 14:27	1
Di-n-octyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 14:27	1
1,4-Dioxane	2.0	U Q	2.0	2.0	0.74	mg/Kg	☼	10/30/15 14:27	1
Hexachlorobenzene	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/30/15 14:27	1
Hexachlorobutadiene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 14:27	1
Hexachlorocyclopentadiene	0.41	U Q	2.0	0.41	0.25	mg/Kg	☼	10/30/15 14:27	1
Hexachloroethane	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 14:27	1
Isophorone	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/30/15 14:27	1
2-Methylphenol	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 14:27	1
3 & 4 Methylphenol	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/30/15 14:27	1
2-Nitroaniline	0.41	U Q	10	0.41	0.28	mg/Kg	☼	10/30/15 14:27	1
3-Nitroaniline	1.0	U	10	1.0	0.28	mg/Kg	☼	10/30/15 14:27	1
4-Nitroaniline	1.0	U Q	10	1.0	0.30	mg/Kg	☼	10/30/15 14:27	1
Nitrobenzene	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/30/15 14:27	1
2-Nitrophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/30/15 14:27	1
4-Nitrophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/30/15 14:27	1
N-Nitrosodi-n-propylamine	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/30/15 14:27	1
N-Nitrosodiphenylamine	0.51	U	2.0	0.51	0.20	mg/Kg	☼	10/30/15 14:27	1
Pentachlorophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/30/15 14:27	1
Phenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 14:27	1
1,2,4,5-Tetrachlorobenzene	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/30/15 14:27	1
2,3,4,6-Tetrachlorophenol	0.41	U	2.0	0.41	0.13	mg/Kg	☼	10/30/15 14:27	1
2,4,5-Trichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 14:27	1
2,4,6-Trichlorophenol	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/23/15 12:45*	*10/30/15 14:27*	*1*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*10/23/15 12:45*	*10/30/15 14:27*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 130*	*10/23/15 12:45*	*10/30/15 14:27*	*1*
Phenol-d5 (Surr)	*61*		*49 - 130*	*10/23/15 12:45*	*10/30/15 14:27*	*1*
Terphenyl-d14 (Surr)	*72*		*60 - 130*	*10/23/15 12:45*	*10/30/15 14:27*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*58 - 130*	*10/23/15 12:45*	*10/30/15 14:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.44	U H	2.2	0.44	0.18	mg/Kg	☼	10/30/15 16:53	1
Atrazine	0.44	U H	2.2	0.44	0.15	mg/Kg	☼	10/30/15 16:53	1
Benzaldehyde	1.1	U H Q	2.2	1.1	0.38	mg/Kg	☼	10/30/15 16:53	1
1,1'-Biphenyl	11	U H	11	11	11	mg/Kg	☼	10/30/15 16:53	1
Bis(2-chloroethoxy)methane	0.44	U H	2.2	0.44	0.26	mg/Kg	☼	10/30/15 16:53	1
Bis(2-chloroethyl)ether	1.1	U H	2.2	1.1	0.30	mg/Kg	☼	10/30/15 16:53	1
bis (2-chloroisopropyl) ether	0.44	U H	2.2	0.44	0.20	mg/Kg	☼	10/30/15 16:53	1
Bis(2-ethylhexyl) phthalate	**0.26**	**J H**	2.2	0.44	0.19	mg/Kg	☼	10/30/15 16:53	1
4-Bromophenyl phenyl ether	0.44	U H	2.2	0.44	0.24	mg/Kg	☼	10/30/15 16:53	1
Butyl benzyl phthalate	0.44	U H	2.2	0.44	0.17	mg/Kg	☼	10/30/15 16:53	1
Caprolactam	1.1	U H	2.2	1.1	0.43	mg/Kg	☼	10/30/15 16:53	1
Carbazole	0.44	U H	2.2	0.44	0.20	mg/Kg	☼	10/30/15 16:53	1
4-Chloroaniline	1.1	U H	4.3	1.1	0.34	mg/Kg	☼	10/30/15 16:53	1
4-Chloro-3-methylphenol	0.44	U H	2.2	0.44	0.23	mg/Kg	☼	10/30/15 16:53	1

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.44	U H	2.2	0.44	0.23	mg/Kg	☼	10/30/15 16:53	1
2-Chlorophenol	0.44	U H	2.2	0.44	0.26	mg/Kg	☼	10/30/15 16:53	1
4-Chlorophenyl phenyl ether	0.44	U H	2.2	0.44	0.29	mg/Kg	☼	10/30/15 16:53	1
Dibenzofuran	0.44	U H	2.2	0.44	0.22	mg/Kg	☼	10/30/15 16:53	1
3,3'-Dichlorobenzidine	0.44	U H	4.3	0.44	0.18	mg/Kg	☼	10/30/15 16:53	1
2,4-Dichlorophenol	0.44	U H	2.2	0.44	0.23	mg/Kg	☼	10/30/15 16:53	1
Diethyl phthalate	0.44	U H	2.2	0.44	0.24	mg/Kg	☼	10/30/15 16:53	1
2,4-Dimethylphenol	1.1	U H	2.2	1.1	0.29	mg/Kg	☼	10/30/15 16:53	1
Dimethyl phthalate	0.44	U H	2.2	0.44	0.22	mg/Kg	☼	10/30/15 16:53	1
Di-n-butyl phthalate	0.44	U H	2.2	0.44	0.20	mg/Kg	☼	10/30/15 16:53	1
2-Methyl-4,6-dinitrophenol	2.2	U H	11	2.2	1.1	mg/Kg	☼	10/30/15 16:53	1
2,4-Dinitrophenol	8.5	U H	11	8.5	5.5	mg/Kg	☼	10/30/15 16:53	1
2,4-Dinitrotoluene	1.1	U H	2.2	1.1	0.32	mg/Kg	☼	10/30/15 16:53	1
2,6-Dinitrotoluene	0.44	U H	2.2	0.44	0.28	mg/Kg	☼	10/30/15 16:53	1
Di-n-octyl phthalate	0.44	U H	2.2	0.44	0.19	mg/Kg	☼	10/30/15 16:53	1
1,4-Dioxane	2.2	U Q H	2.2	2.2	0.79	mg/Kg	☼	10/30/15 16:53	1
Hexachlorobenzene	0.44	U H	2.2	0.44	0.26	mg/Kg	☼	10/30/15 16:53	1
Hexachlorobutadiene	0.44	U H	2.2	0.44	0.24	mg/Kg	☼	10/30/15 16:53	1
Hexachlorocyclopentadiene	0.44	U H	2.2	0.44	0.27	mg/Kg	☼	10/30/15 16:53	1
Hexachloroethane	0.44	U H	2.2	0.44	0.18	mg/Kg	☼	10/30/15 16:53	1
Isophorone	0.44	U H	2.2	0.44	0.22	mg/Kg	☼	10/30/15 16:53	1
2-Methylphenol	0.44	U H	2.2	0.44	0.18	mg/Kg	☼	10/30/15 16:53	1
3 & 4 Methylphenol	0.44	U H	2.2	0.44	0.28	mg/Kg	☼	10/30/15 16:53	1
2-Nitroaniline	0.44	U H	11	0.44	0.30	mg/Kg	☼	10/30/15 16:53	1
3-Nitroaniline	1.1	U H	11	1.1	0.30	mg/Kg	☼	10/30/15 16:53	1
4-Nitroaniline	1.1	U H	11	1.1	0.32	mg/Kg	☼	10/30/15 16:53	1
Nitrobenzene	0.44	U H	2.2	0.44	0.17	mg/Kg	☼	10/30/15 16:53	1
2-Nitrophenol	0.44	U H	2.2	0.44	0.27	mg/Kg	☼	10/30/15 16:53	1
4-Nitrophenol	4.4	U H	11	4.4	2.2	mg/Kg	☼	10/30/15 16:53	1
N-Nitrosodi-n-propylamine	0.44	U H	2.2	0.44	0.21	mg/Kg	☼	10/30/15 16:53	1
N-Nitrosodiphenylamine	0.55	U H	2.2	0.55	0.22	mg/Kg	☼	10/30/15 16:53	1
Pentachlorophenol	4.4	U H	11	4.4	2.2	mg/Kg	☼	10/30/15 16:53	1
Phenol	0.44	U H	2.2	0.44	0.22	mg/Kg	☼	10/30/15 16:53	1
1,2,4,5-Tetrachlorobenzene	0.44	U H	2.2	0.44	0.20	mg/Kg	☼	10/30/15 16:53	1
2,3,4,6-Tetrachlorophenol	0.44	U H	2.2	0.44	0.14	mg/Kg	☼	10/30/15 16:53	1
2,4,5-Trichlorophenol	0.44	U H	2.2	0.44	0.23	mg/Kg	☼	10/30/15 16:53	1
2,4,6-Trichlorophenol	0.44	U H	2.2	0.44	0.19	mg/Kg	☼	10/30/15 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*	*10/28/15 15:25*	*10/30/15 16:53*	*1*
2-Fluorophenol (Surr)	*54*		*40 - 130*	*10/28/15 15:25*	*10/30/15 16:53*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 130*	*10/28/15 15:25*	*10/30/15 16:53*	*1*
Phenol-d5 (Surr)	*56*		*49 - 130*	*10/28/15 15:25*	*10/30/15 16:53*	*1*
Terphenyl-d14 (Surr)	*71*		*60 - 130*	*10/28/15 15:25*	*10/30/15 16:53*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*	*10/28/15 15:25*	*10/30/15 16:53*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**22000**	**D**	110	22	3.5	mg/Kg	☼	10/27/15 15:11	10
Antimony	**0.39**	**J D**	2.2	0.84	0.079	mg/Kg	☼	10/27/15 15:11	10

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.4	J D	5.6	0.84	0.15	mg/Kg	☼	10/27/15 15:11	10
Barium	40	D	5.6	1.7	1.2	mg/Kg	☼	10/27/15 15:11	10
Beryllium	0.29	J D	1.1	0.56	0.062	mg/Kg	☼	10/27/15 15:11	10
Cadmium	0.32	J D	2.2	0.056	0.021	mg/Kg	☼	10/27/15 15:11	10
Calcium	13000	D	2200	560	120	mg/Kg	☼	10/27/15 15:11	10
Chromium	500	D	5.6	2.5	0.34	mg/Kg	☼	10/27/15 15:11	10
Cobalt	53	D	1.1	0.084	0.0096	mg/Kg	☼	10/27/15 15:11	10
Copper	41	D	4.5	1.7	0.54	mg/Kg	☼	10/27/15 15:11	10
Iron	51000	D	560	170	18	mg/Kg	☼	10/27/15 15:11	10
Lead	35	D	3.4	1.1	0.25	mg/Kg	☼	10/27/15 15:11	10
Magnesium	40000	D	1100	140	22	mg/Kg	☼	10/27/15 15:11	10
Manganese	830	D	5.6	2.2	0.67	mg/Kg	☼	10/27/15 15:11	10
Nickel	1100	D	5.6	1.4	0.22	mg/Kg	☼	10/27/15 15:11	10
Potassium	1800	D	1100	56	28	mg/Kg	☼	10/27/15 15:11	10
Selenium	0.90	J D	5.6	0.34	0.22	mg/Kg	☼	10/27/15 15:11	10
Silver	0.049	J D	1.1	0.28	0.0079	mg/Kg	☼	10/27/15 15:11	10
Sodium	89	J D	1100	220	49	mg/Kg	☼	10/27/15 15:11	10
Thallium	0.84	U	2.2	0.84	0.11	mg/Kg	☼	10/27/15 15:11	10
V	120	D	5.6	0.56	0.21	mg/Kg	☼	10/27/15 15:11	10
Zinc	72	D	45	11	2.8	mg/Kg	☼	10/27/15 15:11	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.061	J	0.14	0.046	0.020	mg/Kg	☼	10/23/15 16:28	1

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Acenaphthylene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Benzo[a]anthracene	0.053		0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Benzo[a]pyrene	0.055		0.039	0.019	0.0069	mg/Kg	☼	10/27/15 19:05	1
Benzo[b]fluoranthene	0.087		0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Benzo[g,h,i]perylene	0.033	J	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Benzo[k]fluoranthene	0.019	U	0.039	0.019	0.012	mg/Kg	☼	10/27/15 19:05	1
Chrysene	0.068		0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Fluoranthene	0.10		0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Fluorene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Indeno[1,2,3-cd]pyrene	0.032	J	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Naphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
Phenanthrene	0.047		0.039	0.019	0.014	mg/Kg	☼	10/27/15 19:05	1
Pyrene	0.082		0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1
1-Methylnaphthalene	0.019	U	0.039	0.019	0.018	mg/Kg	☼	10/27/15 19:05	1
2-Methylnaphthalene	0.039	U	0.039	0.039	0.019	mg/Kg	☼	10/27/15 19:05	1

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	57		36 - 131	10/23/15 12:45	10/27/15 19:05	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/30/15 14:51	1
Atrazine	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/30/15 14:51	1
Benzaldehyde	0.99	U Q	1.9	0.99	0.34	mg/Kg	☼	10/30/15 14:51	1
1,1'-Biphenyl	9.9	U	9.9	9.9	9.9	mg/Kg	☼	10/30/15 14:51	1
Bis(2-chloroethoxy)methane	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/30/15 14:51	1
Bis(2-chloroethyl)ether	0.99	U	1.9	0.99	0.26	mg/Kg	☼	10/30/15 14:51	1
bis (2-chloroisopropyl) ether	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/30/15 14:51	1
Bis(2-ethylhexyl) phthalate	**0.42**	**J**	1.9	0.39	0.17	mg/Kg	☼	10/30/15 14:51	1
4-Bromophenyl phenyl ether	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/30/15 14:51	1
Butyl benzyl phthalate	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/30/15 14:51	1
Caprolactam	0.99	U	1.9	0.99	0.39	mg/Kg	☼	10/30/15 14:51	1
Carbazole	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/30/15 14:51	1
4-Chloroaniline	0.99	U	3.9	0.99	0.30	mg/Kg	☼	10/30/15 14:51	1
4-Chloro-3-methylphenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/30/15 14:51	1
2-Chloronaphthalene	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/30/15 14:51	1
2-Chlorophenol	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/30/15 14:51	1
4-Chlorophenyl phenyl ether	0.39	U Q	1.9	0.39	0.26	mg/Kg	☼	10/30/15 14:51	1
Dibenzofuran	0.39	U Q	1.9	0.39	0.19	mg/Kg	☼	10/30/15 14:51	1
3,3'-Dichlorobenzidine	0.39	U	3.9	0.39	0.16	mg/Kg	☼	10/30/15 14:51	1
2,4-Dichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/30/15 14:51	1
Diethyl phthalate	0.39	U Q	1.9	0.39	0.22	mg/Kg	☼	10/30/15 14:51	1
2,4-Dimethylphenol	0.99	U	1.9	0.99	0.26	mg/Kg	☼	10/30/15 14:51	1
Dimethyl phthalate	0.39	U Q	1.9	0.39	0.20	mg/Kg	☼	10/30/15 14:51	1
Di-n-butyl phthalate	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/30/15 14:51	1
2-Methyl-4,6-dinitrophenol	1.9	U	9.9	1.9	0.99	mg/Kg	☼	10/30/15 14:51	1
2,4-Dinitrophenol	7.6	U	9.9	7.6	4.9	mg/Kg	☼	10/30/15 14:51	1
2,4-Dinitrotoluene	0.99	U Q	1.9	0.99	0.29	mg/Kg	☼	10/30/15 14:51	1
2,6-Dinitrotoluene	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/30/15 14:51	1
Di-n-octyl phthalate	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/30/15 14:51	1
1,4-Dioxane	1.9	U Q	1.9	1.9	0.70	mg/Kg	☼	10/30/15 14:51	1
Hexachlorobenzene	0.39	U	1.9	0.39	0.23	mg/Kg	☼	10/30/15 14:51	1
Hexachlorobutadiene	0.39	U	1.9	0.39	0.21	mg/Kg	☼	10/30/15 14:51	1
Hexachlorocyclopentadiene	0.39	U Q	1.9	0.39	0.24	mg/Kg	☼	10/30/15 14:51	1
Hexachloroethane	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/30/15 14:51	1
Isophorone	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/30/15 14:51	1
2-Methylphenol	0.39	U	1.9	0.39	0.16	mg/Kg	☼	10/30/15 14:51	1
3 & 4 Methylphenol	0.39	U	1.9	0.39	0.25	mg/Kg	☼	10/30/15 14:51	1
2-Nitroaniline	0.39	U Q	9.9	0.39	0.26	mg/Kg	☼	10/30/15 14:51	1
3-Nitroaniline	0.99	U	9.9	0.99	0.27	mg/Kg	☼	10/30/15 14:51	1
4-Nitroaniline	0.99	U Q	9.9	0.99	0.29	mg/Kg	☼	10/30/15 14:51	1
Nitrobenzene	0.39	U	1.9	0.39	0.15	mg/Kg	☼	10/30/15 14:51	1
2-Nitrophenol	0.39	U	1.9	0.39	0.24	mg/Kg	☼	10/30/15 14:51	1
4-Nitrophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	10/30/15 14:51	1
N-Nitrosodi-n-propylamine	0.39	U	1.9	0.39	0.19	mg/Kg	☼	10/30/15 14:51	1
N-Nitrosodiphenylamine	0.49	U	1.9	0.49	0.19	mg/Kg	☼	10/30/15 14:51	1
Pentachlorophenol	3.9	U	9.9	3.9	1.9	mg/Kg	☼	10/30/15 14:51	1

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/30/15 14:51	1
1,2,4,5-Tetrachlorobenzene	0.39	U	1.9	0.39	0.18	mg/Kg	☼	10/30/15 14:51	1
2,3,4,6-Tetrachlorophenol	0.39	U	1.9	0.39	0.13	mg/Kg	☼	10/30/15 14:51	1
2,4,5-Trichlorophenol	0.39	U	1.9	0.39	0.20	mg/Kg	☼	10/30/15 14:51	1
2,4,6-Trichlorophenol	0.39	U	1.9	0.39	0.17	mg/Kg	☼	10/30/15 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*58 - 130*	*10/23/15 12:45*	*10/30/15 14:51*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/23/15 12:45*	*10/30/15 14:51*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 130*	*10/23/15 12:45*	*10/30/15 14:51*	*1*
Phenol-d5 (Surr)	*64*		*49 - 130*	*10/23/15 12:45*	*10/30/15 14:51*	*1*
Terphenyl-d14 (Surr)	*74*		*60 - 130*	*10/23/15 12:45*	*10/30/15 14:51*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*58 - 130*	*10/23/15 12:45*	*10/30/15 14:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	10/30/15 17:17	1
Atrazine	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	10/30/15 17:17	1
Benzaldehyde	0.99	U H Q	1.9	0.99	0.34	mg/Kg	☼	10/30/15 17:17	1
1,1'-Biphenyl	9.9	U H	9.9	9.9	9.9	mg/Kg	☼	10/30/15 17:17	1
Bis(2-chloroethoxy)methane	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	10/30/15 17:17	1
Bis(2-chloroethyl)ether	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	10/30/15 17:17	1
bis (2-chloroisopropyl) ether	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	10/30/15 17:17	1
Bis(2-ethylhexyl) phthalate	**0.19**	**J H**	1.9	0.39	0.17	mg/Kg	☼	10/30/15 17:17	1
4-Bromophenyl phenyl ether	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	10/30/15 17:17	1
Butyl benzyl phthalate	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	10/30/15 17:17	1
Caprolactam	0.99	U H	1.9	0.99	0.38	mg/Kg	☼	10/30/15 17:17	1
Carbazole	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	10/30/15 17:17	1
4-Chloroaniline	0.99	U H	3.8	0.99	0.30	mg/Kg	☼	10/30/15 17:17	1
4-Chloro-3-methylphenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	10/30/15 17:17	1
2-Chloronaphthalene	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	10/30/15 17:17	1
2-Chlorophenol	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	10/30/15 17:17	1
4-Chlorophenyl phenyl ether	0.39	U H	1.9	0.39	0.26	mg/Kg	☼	10/30/15 17:17	1
Dibenzofuran	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	10/30/15 17:17	1
3,3'-Dichlorobenzidine	0.39	U H	3.8	0.39	0.16	mg/Kg	☼	10/30/15 17:17	1
2,4-Dichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	10/30/15 17:17	1
Diethyl phthalate	0.39	U H	1.9	0.39	0.22	mg/Kg	☼	10/30/15 17:17	1
2,4-Dimethylphenol	0.99	U H	1.9	0.99	0.26	mg/Kg	☼	10/30/15 17:17	1
Dimethyl phthalate	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	10/30/15 17:17	1
Di-n-butyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	10/30/15 17:17	1
2-Methyl-4,6-dinitrophenol	1.9	U H	9.9	1.9	0.99	mg/Kg	☼	10/30/15 17:17	1
2,4-Dinitrophenol	7.6	U H	9.9	7.6	4.8	mg/Kg	☼	10/30/15 17:17	1
2,4-Dinitrotoluene	0.99	U H	1.9	0.99	0.29	mg/Kg	☼	10/30/15 17:17	1
2,6-Dinitrotoluene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	10/30/15 17:17	1
Di-n-octyl phthalate	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	10/30/15 17:17	1
1,4-Dioxane	1.9	U Q H	1.9	1.9	0.70	mg/Kg	☼	10/30/15 17:17	1
Hexachlorobenzene	0.39	U H	1.9	0.39	0.23	mg/Kg	☼	10/30/15 17:17	1
Hexachlorobutadiene	0.39	U H	1.9	0.39	0.21	mg/Kg	☼	10/30/15 17:17	1
Hexachlorocyclopentadiene	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	10/30/15 17:17	1
Hexachloroethane	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	10/30/15 17:17	1

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isophorone	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	10/30/15 17:17	1
2-Methylphenol	0.39	U H	1.9	0.39	0.16	mg/Kg	☼	10/30/15 17:17	1
3 & 4 Methylphenol	0.39	U H	1.9	0.39	0.25	mg/Kg	☼	10/30/15 17:17	1
2-Nitroaniline	0.39	U H	9.9	0.39	0.26	mg/Kg	☼	10/30/15 17:17	1
3-Nitroaniline	0.99	U H	9.9	0.99	0.27	mg/Kg	☼	10/30/15 17:17	1
4-Nitroaniline	0.99	U H	9.9	0.99	0.29	mg/Kg	☼	10/30/15 17:17	1
Nitrobenzene	0.39	U H	1.9	0.39	0.15	mg/Kg	☼	10/30/15 17:17	1
2-Nitrophenol	0.39	U H	1.9	0.39	0.24	mg/Kg	☼	10/30/15 17:17	1
4-Nitrophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	10/30/15 17:17	1
N-Nitrosodi-n-propylamine	0.39	U H	1.9	0.39	0.19	mg/Kg	☼	10/30/15 17:17	1
N-Nitrosodiphenylamine	0.48	U H	1.9	0.48	0.19	mg/Kg	☼	10/30/15 17:17	1
Pentachlorophenol	3.9	U H	9.9	3.9	1.9	mg/Kg	☼	10/30/15 17:17	1
Phenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	10/30/15 17:17	1
1,2,4,5-Tetrachlorobenzene	0.39	U H	1.9	0.39	0.18	mg/Kg	☼	10/30/15 17:17	1
2,3,4,6-Tetrachlorophenol	0.39	U H	1.9	0.39	0.13	mg/Kg	☼	10/30/15 17:17	1
2,4,5-Trichlorophenol	0.39	U H	1.9	0.39	0.20	mg/Kg	☼	10/30/15 17:17	1
2,4,6-Trichlorophenol	0.39	U H	1.9	0.39	0.17	mg/Kg	☼	10/30/15 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*58 - 130*	*10/28/15 15:25*	*10/30/15 17:17*	*1*
2-Fluorophenol (Surr)	*49*		*40 - 130*	*10/28/15 15:25*	*10/30/15 17:17*	*1*
Nitrobenzene-d5 (Surr)	*55*		*46 - 130*	*10/28/15 15:25*	*10/30/15 17:17*	*1*
Phenol-d5 (Surr)	*52*		*49 - 130*	*10/28/15 15:25*	*10/30/15 17:17*	*1*
Terphenyl-d14 (Surr)	*57*	*Q*	*60 - 130*	*10/28/15 15:25*	*10/30/15 17:17*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*58 - 130*	*10/28/15 15:25*	*10/30/15 17:17*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**21000**	**D**	100	20	3.2	mg/Kg	☼	10/27/15 15:15	10
Antimony	**0.55**	**J D**	2.0	0.77	0.071	mg/Kg	☼	10/27/15 15:15	10
Arsenic	**3.9**	**J D**	5.1	0.77	0.13	mg/Kg	☼	10/27/15 15:15	10
Barium	**59**	**D**	5.1	1.5	1.1	mg/Kg	☼	10/27/15 15:15	10
Beryllium	**1.0**	**D**	1.0	0.51	0.056	mg/Kg	☼	10/27/15 15:15	10
Cadmium	**1.1**	**J D**	2.0	0.051	0.019	mg/Kg	☼	10/27/15 15:15	10
Calcium	**35000**	**D**	2000	510	110	mg/Kg	☼	10/27/15 15:15	10
Chromium	**560**	**D**	5.1	2.3	0.31	mg/Kg	☼	10/27/15 15:15	10
Cobalt	**30**	**D**	1.0	0.077	0.0087	mg/Kg	☼	10/27/15 15:15	10
Copper	**54**	**D**	4.1	1.5	0.50	mg/Kg	☼	10/27/15 15:15	10
Iron	**37000**	**D**	510	150	16	mg/Kg	☼	10/27/15 15:15	10
Lead	**44**	**D**	3.1	1.0	0.23	mg/Kg	☼	10/27/15 15:15	10
Magnesium	**29000**	**D**	1000	130	20	mg/Kg	☼	10/27/15 15:15	10
Manganese	**730**	**D**	5.1	2.0	0.61	mg/Kg	☼	10/27/15 15:15	10
Nickel	**510**	**D**	5.1	1.3	0.20	mg/Kg	☼	10/27/15 15:15	10
Potassium	**3000**	**D**	1000	51	25	mg/Kg	☼	10/27/15 15:15	10
Selenium	**1.6**	**J D**	5.1	0.31	0.20	mg/Kg	☼	10/27/15 15:15	10
Silver	**0.62**	**J D**	1.0	0.26	0.0071	mg/Kg	☼	10/27/15 15:15	10
Sodium	**300**	**J D**	1000	200	44	mg/Kg	☼	10/27/15 15:15	10
Thallium	**0.91**	**J D**	2.0	0.77	0.097	mg/Kg	☼	10/27/15 15:15	10
V	**100**	**D**	5.1	0.51	0.19	mg/Kg	☼	10/27/15 15:15	10
Zinc	**350**	**D**	41	10	2.6	mg/Kg	☼	10/27/15 15:15	10

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.028**	**J**	0.11	0.038	0.016	mg/Kg	☼	10/23/15 16:30	1

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid
Percent Solids: 80.2

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.042	U	0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Acenaphthylene	0.042	U	0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Anthracene	**0.030**	**J**	0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Benzo[a]anthracene	**0.19**		0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Benzo[a]pyrene	**0.21**		0.042	0.021	0.0075	mg/Kg	☼	10/27/15 18:40	1
Benzo[b]fluoranthene	**0.32**	**M**	0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Benzo[g,h,i]perylene	**0.12**		0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Benzo[k]fluoranthene	**0.15**	**M**	0.042	0.021	0.012	mg/Kg	☼	10/27/15 18:40	1
Chrysene	**0.24**		0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Fluoranthene	**0.44**		0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Fluorene	0.042	U	0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Dibenz(a,h)anthracene	**0.042**		0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Naphthalene	0.042	U	0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
Phenanthrene	**0.22**		0.042	0.021	0.015	mg/Kg	☼	10/27/15 18:40	1
Pyrene	**0.30**		0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1
1-Methylnaphthalene	0.021	U	0.042	0.021	0.019	mg/Kg	☼	10/27/15 18:40	1
2-Methylnaphthalene	0.042	U	0.042	0.042	0.021	mg/Kg	☼	10/27/15 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*41*		*36 - 131*	*10/23/15 12:45*	*10/27/15 18:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 15:16	1
Atrazine	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/30/15 15:16	1
Benzaldehyde	1.0	U Q	2.0	1.0	0.36	mg/Kg	☼	10/30/15 15:16	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/30/15 15:16	1
Bis(2-chloroethoxy)methane	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/30/15 15:16	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.28	mg/Kg	☼	10/30/15 15:16	1
bis (2-chloroisopropyl) ether	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:16	1
Bis(2-ethylhexyl) phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:16	1
4-Bromophenyl phenyl ether	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:16	1
Butyl benzyl phthalate	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/30/15 15:16	1
Caprolactam	1.0	U	2.0	1.0	0.41	mg/Kg	☼	10/30/15 15:16	1
Carbazole	**0.41**	**J**	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:16	1
4-Chloroaniline	1.0	U	4.1	1.0	0.32	mg/Kg	☼	10/30/15 15:16	1
4-Chloro-3-methylphenol	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:16	1
2-Chloronaphthalene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:16	1
2-Chlorophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/30/15 15:16	1
4-Chlorophenyl phenyl ether	0.41	U Q	2.0	0.41	0.27	mg/Kg	☼	10/30/15 15:16	1
Dibenzofuran	0.41	U Q	2.0	0.41	0.20	mg/Kg	☼	10/30/15 15:16	1

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.41	U	4.1	0.41	0.17	mg/Kg	☼	10/30/15 15:16	1
2,4-Dichlorophenol	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:16	1
Diethyl phthalate	0.41	U Q	2.0	0.41	0.23	mg/Kg	☼	10/30/15 15:16	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/30/15 15:16	1
Dimethyl phthalate	0.41	U Q	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:16	1
Di-n-butyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:16	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/30/15 15:16	1
2,4-Dinitrophenol	8.0	U	10	8.0	5.1	mg/Kg	☼	10/30/15 15:16	1
2,4-Dinitrotoluene	1.0	U Q	2.0	1.0	0.30	mg/Kg	☼	10/30/15 15:16	1
2,6-Dinitrotoluene	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/30/15 15:16	1
Di-n-octyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:16	1
1,4-Dioxane	2.0	U Q	2.0	2.0	0.74	mg/Kg	☼	10/30/15 15:16	1
Hexachlorobenzene	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/30/15 15:16	1
Hexachlorobutadiene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:16	1
Hexachlorocyclopentadiene	0.41	U Q	2.0	0.41	0.25	mg/Kg	☼	10/30/15 15:16	1
Hexachloroethane	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 15:16	1
Isophorone	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/30/15 15:16	1
2-Methylphenol	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 15:16	1
3 & 4 Methylphenol	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/30/15 15:16	1
2-Nitroaniline	0.41	U Q	10	0.41	0.28	mg/Kg	☼	10/30/15 15:16	1
3-Nitroaniline	1.0	U	10	1.0	0.28	mg/Kg	☼	10/30/15 15:16	1
4-Nitroaniline	1.0	U Q	10	1.0	0.30	mg/Kg	☼	10/30/15 15:16	1
Nitrobenzene	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/30/15 15:16	1
2-Nitrophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/30/15 15:16	1
4-Nitrophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/30/15 15:16	1
N-Nitrosodi-n-propylamine	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/30/15 15:16	1
N-Nitrosodiphenylamine	0.51	U	2.0	0.51	0.20	mg/Kg	☼	10/30/15 15:16	1
Pentachlorophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/30/15 15:16	1
Phenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:16	1
1,2,4,5-Tetrachlorobenzene	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/30/15 15:16	1
2,3,4,6-Tetrachlorophenol	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/30/15 15:16	1
2,4,5-Trichlorophenol	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:16	1
2,4,6-Trichlorophenol	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*	*Q*	*58 - 130*	*10/23/15 12:45*	*10/30/15 15:16*	*1*
2-Fluorophenol (Surr)	*51*		*40 - 130*	*10/23/15 12:45*	*10/30/15 15:16*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 130*	*10/23/15 12:45*	*10/30/15 15:16*	*1*
Phenol-d5 (Surr)	*53*		*49 - 130*	*10/23/15 12:45*	*10/30/15 15:16*	*1*
Terphenyl-d14 (Surr)	*61*		*60 - 130*	*10/23/15 12:45*	*10/30/15 15:16*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*58 - 130*	*10/23/15 12:45*	*10/30/15 15:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 17:42	1
Atrazine	0.42	U H	2.1	0.42	0.15	mg/Kg	☼	10/30/15 17:42	1
Benzaldehyde	1.1	U H Q	2.1	1.1	0.37	mg/Kg	☼	10/30/15 17:42	1
1,1'-Biphenyl	11	U H	11	11	11	mg/Kg	☼	10/30/15 17:42	1
Bis(2-chloroethoxy)methane	0.42	U H	2.1	0.42	0.25	mg/Kg	☼	10/30/15 17:42	1
Bis(2-chloroethyl)ether	1.1	U H	2.1	1.1	0.29	mg/Kg	☼	10/30/15 17:42	1

Client Sample ID: AOPSL601
Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65
Matrix: Solid
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	10/30/15 17:42	1
Bis(2-ethylhexyl) phthalate	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 17:42	1
4-Bromophenyl phenyl ether	0.42	U H	2.1	0.42	0.23	mg/Kg	☼	10/30/15 17:42	1
Butyl benzyl phthalate	0.42	U H	2.1	0.42	0.16	mg/Kg	☼	10/30/15 17:42	1
Caprolactam	1.1	U H	2.1	1.1	0.42	mg/Kg	☼	10/30/15 17:42	1
Carbazole	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	10/30/15 17:42	1
4-Chloroaniline	1.1	U H	4.2	1.1	0.33	mg/Kg	☼	10/30/15 17:42	1
4-Chloro-3-methylphenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 17:42	1
2-Chloronaphthalene	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 17:42	1
2-Chlorophenol	0.42	U H	2.1	0.42	0.25	mg/Kg	☼	10/30/15 17:42	1
4-Chlorophenyl phenyl ether	0.42	U H	2.1	0.42	0.28	mg/Kg	☼	10/30/15 17:42	1
Dibenzofuran	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	10/30/15 17:42	1
3,3'-Dichlorobenzidine	0.42	U H	4.2	0.42	0.18	mg/Kg	☼	10/30/15 17:42	1
2,4-Dichlorophenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 17:42	1
Diethyl phthalate	0.42	U H	2.1	0.42	0.23	mg/Kg	☼	10/30/15 17:42	1
2,4-Dimethylphenol	1.1	U H	2.1	1.1	0.28	mg/Kg	☼	10/30/15 17:42	1
Dimethyl phthalate	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 17:42	1
Di-n-butyl phthalate	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	10/30/15 17:42	1
2-Methyl-4,6-dinitrophenol	2.1	U H	11	2.1	1.1	mg/Kg	☼	10/30/15 17:42	1
2,4-Dinitrophenol	8.2	U H	11	8.2	5.3	mg/Kg	☼	10/30/15 17:42	1
2,4-Dinitrotoluene	1.1	U H	2.1	1.1	0.31	mg/Kg	☼	10/30/15 17:42	1
2,6-Dinitrotoluene	0.42	U H	2.1	0.42	0.27	mg/Kg	☼	10/30/15 17:42	1
Di-n-octyl phthalate	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 17:42	1
1,4-Dioxane	2.1	U Q H	2.1	2.1	0.76	mg/Kg	☼	10/30/15 17:42	1
Hexachlorobenzene	0.42	U H	2.1	0.42	0.25	mg/Kg	☼	10/30/15 17:42	1
Hexachlorobutadiene	0.42	U H	2.1	0.42	0.23	mg/Kg	☼	10/30/15 17:42	1
Hexachlorocyclopentadiene	0.42	U H	2.1	0.42	0.26	mg/Kg	☼	10/30/15 17:42	1
Hexachloroethane	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 17:42	1
Isophorone	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	10/30/15 17:42	1
2-Methylphenol	0.42	U H	2.1	0.42	0.17	mg/Kg	☼	10/30/15 17:42	1
3 & 4 Methylphenol	0.42	U H	2.1	0.42	0.27	mg/Kg	☼	10/30/15 17:42	1
2-Nitroaniline	0.42	U H	11	0.42	0.29	mg/Kg	☼	10/30/15 17:42	1
3-Nitroaniline	1.1	U H	11	1.1	0.29	mg/Kg	☼	10/30/15 17:42	1
4-Nitroaniline	1.1	U H	11	1.1	0.31	mg/Kg	☼	10/30/15 17:42	1
Nitrobenzene	0.42	U H	2.1	0.42	0.16	mg/Kg	☼	10/30/15 17:42	1
2-Nitrophenol	0.42	U H	2.1	0.42	0.26	mg/Kg	☼	10/30/15 17:42	1
4-Nitrophenol	4.2	U H	11	4.2	2.1	mg/Kg	☼	10/30/15 17:42	1
N-Nitrosodi-n-propylamine	0.42	U H	2.1	0.42	0.20	mg/Kg	☼	10/30/15 17:42	1
N-Nitrosodiphenylamine	0.53	U H	2.1	0.53	0.21	mg/Kg	☼	10/30/15 17:42	1
Pentachlorophenol	4.2	U H	11	4.2	2.1	mg/Kg	☼	10/30/15 17:42	1
Phenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 17:42	1
1,2,4,5-Tetrachlorobenzene	0.42	U H	2.1	0.42	0.20	mg/Kg	☼	10/30/15 17:42	1
2,3,4,6-Tetrachlorophenol	0.42	U H	2.1	0.42	0.14	mg/Kg	☼	10/30/15 17:42	1
2,4,5-Trichlorophenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 17:42	1
2,4,6-Trichlorophenol	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*58 - 130*	*10/28/15 15:25*	*10/30/15 17:42*	*1*
2-Fluorophenol (Surr)	*63*		*40 - 130*	*10/28/15 15:25*	*10/30/15 17:42*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*	*10/28/15 15:25*	*10/30/15 17:42*	*1*

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	67		49 - 130	10/28/15 15:25	10/30/15 17:42	1
Terphenyl-d14 (Surr)	67		60 - 130	10/28/15 15:25	10/30/15 17:42	1
2,4,6-Tribromophenol (Surr)	71		58 - 130	10/28/15 15:25	10/30/15 17:42	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**19000**	**D**	110	22	3.4	mg/Kg	☼	10/27/15 15:19	10
Antimony	**0.36**	**J D**	2.2	0.81	0.076	mg/Kg	☼	10/27/15 15:19	10
Arsenic	**2.7**	**J D**	5.4	0.81	0.14	mg/Kg	☼	10/27/15 15:19	10
Barium	**120**	**D**	5.4	1.6	1.2	mg/Kg	☼	10/27/15 15:19	10
Beryllium	**0.28**	**J D**	1.1	0.54	0.060	mg/Kg	☼	10/27/15 15:19	10
Cadmium	**0.52**	**J D**	2.2	0.054	0.020	mg/Kg	☼	10/27/15 15:19	10
Calcium	**33000**	**D**	2200	540	120	mg/Kg	☼	10/27/15 15:19	10
Chromium	**480**	**D**	5.4	2.4	0.33	mg/Kg	☼	10/27/15 15:19	10
Cobalt	**48**	**D**	1.1	0.081	0.0092	mg/Kg	☼	10/27/15 15:19	10
Copper	**49**	**D**	4.3	1.6	0.53	mg/Kg	☼	10/27/15 15:19	10
Iron	**48000**	**D**	540	160	17	mg/Kg	☼	10/27/15 15:19	10
Lead	**170**	**D**	3.3	1.1	0.24	mg/Kg	☼	10/27/15 15:19	10
Magnesium	**40000**	**D**	1100	140	22	mg/Kg	☼	10/27/15 15:19	10
Manganese	**690**	**D**	5.4	2.2	0.65	mg/Kg	☼	10/27/15 15:19	10
Nickel	**1000**	**D**	5.4	1.4	0.21	mg/Kg	☼	10/27/15 15:19	10
Potassium	**1500**	**D**	1100	54	27	mg/Kg	☼	10/27/15 15:19	10
Selenium	**0.73**	**J D**	5.4	0.33	0.22	mg/Kg	☼	10/27/15 15:19	10
Silver	**0.070**	**J D**	1.1	0.27	0.0076	mg/Kg	☼	10/27/15 15:19	10
Sodium	**160**	**J D**	1100	220	47	mg/Kg	☼	10/27/15 15:19	10
Thallium	0.81	U	2.2	0.81	0.10	mg/Kg	☼	10/27/15 15:19	10
V	**110**	**D**	5.4	0.54	0.20	mg/Kg	☼	10/27/15 15:19	10
Zinc	**130**	**D**	43	11	2.7	mg/Kg	☼	10/27/15 15:19	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	**0.052**	**J**	0.14	0.047	0.020	mg/Kg	☼	10/23/15 16:37	1

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Acenaphthylene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Benzo[a]anthracene	**0.053**		0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Benzo[a]pyrene	**0.057**		0.041	0.020	0.0074	mg/Kg	☼	10/27/15 19:54	1
Benzo[b]fluoranthene	**0.093**	**M**	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Benzo[g,h,i]perylene	**0.034**	**J**	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Benzo[k]fluoranthene	**0.046**	**M**	0.041	0.020	0.012	mg/Kg	☼	10/27/15 19:54	1
Chrysene	**0.072**		0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Fluoranthene	**0.14**		0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Fluorene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSL701
Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66
Matrix: Solid
Percent Solids: 78.6

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.028**	**J**	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Dibenz(a,h)anthracene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Naphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
Phenanthrene	**0.065**		0.041	0.020	0.015	mg/Kg	☼	10/27/15 19:54	1
Pyrene	**0.093**		0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1
1-Methylnaphthalene	0.020	U	0.041	0.020	0.019	mg/Kg	☼	10/27/15 19:54	1
2-Methylnaphthalene	0.041	U	0.041	0.041	0.020	mg/Kg	☼	10/27/15 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*36 - 131*	*10/23/15 12:45*	*10/27/15 19:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 15:41	1
Atrazine	0.41	U	2.0	0.41	0.14	mg/Kg	☼	10/30/15 15:41	1
Benzaldehyde	1.0	U Q	2.0	1.0	0.35	mg/Kg	☼	10/30/15 15:41	1
1,1'-Biphenyl	10	U	10	10	10	mg/Kg	☼	10/30/15 15:41	1
Bis(2-chloroethoxy)methane	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/30/15 15:41	1
Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/30/15 15:41	1
bis (2-chloroisopropyl) ether	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:41	1
Bis(2-ethylhexyl) phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:41	1
4-Bromophenyl phenyl ether	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:41	1
Butyl benzyl phthalate	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/30/15 15:41	1
Caprolactam	1.0	U	2.0	1.0	0.40	mg/Kg	☼	10/30/15 15:41	1
Carbazole	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:41	1
4-Chloroaniline	1.0	U	4.0	1.0	0.32	mg/Kg	☼	10/30/15 15:41	1
4-Chloro-3-methylphenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:41	1
2-Chloronaphthalene	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:41	1
2-Chlorophenol	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/30/15 15:41	1
4-Chlorophenyl phenyl ether	0.41	U Q	2.0	0.41	0.27	mg/Kg	☼	10/30/15 15:41	1
Dibenzofuran	0.41	U Q	2.0	0.41	0.20	mg/Kg	☼	10/30/15 15:41	1
3,3'-Dichlorobenzidine	0.41	U	4.0	0.41	0.17	mg/Kg	☼	10/30/15 15:41	1
2,4-Dichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:41	1
Diethyl phthalate	0.41	U Q	2.0	0.41	0.23	mg/Kg	☼	10/30/15 15:41	1
2,4-Dimethylphenol	1.0	U	2.0	1.0	0.27	mg/Kg	☼	10/30/15 15:41	1
Dimethyl phthalate	0.41	U Q	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:41	1
Di-n-butyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:41	1
2-Methyl-4,6-dinitrophenol	2.0	U	10	2.0	1.0	mg/Kg	☼	10/30/15 15:41	1
2,4-Dinitrophenol	7.9	U	10	7.9	5.1	mg/Kg	☼	10/30/15 15:41	1
2,4-Dinitrotoluene	1.0	U Q	2.0	1.0	0.30	mg/Kg	☼	10/30/15 15:41	1
2,6-Dinitrotoluene	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/30/15 15:41	1
Di-n-octyl phthalate	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:41	1
1,4-Dioxane	2.0	U Q	2.0	2.0	0.73	mg/Kg	☼	10/30/15 15:41	1
Hexachlorobenzene	0.41	U	2.0	0.41	0.24	mg/Kg	☼	10/30/15 15:41	1
Hexachlorobutadiene	0.41	U	2.0	0.41	0.22	mg/Kg	☼	10/30/15 15:41	1
Hexachlorocyclopentadiene	0.41	U Q	2.0	0.41	0.25	mg/Kg	☼	10/30/15 15:41	1
Hexachloroethane	0.41	U	2.0	0.41	0.17	mg/Kg	☼	10/30/15 15:41	1
Isophorone	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/30/15 15:41	1
2-Methylphenol	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/30/15 15:41	1
3 & 4 Methylphenol	0.41	U	2.0	0.41	0.26	mg/Kg	☼	10/30/15 15:41	1

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Nitroaniline	0.41	U Q	10	0.41	0.27	mg/Kg	☼	10/30/15 15:41	1
3-Nitroaniline	1.0	U	10	1.0	0.28	mg/Kg	☼	10/30/15 15:41	1
4-Nitroaniline	1.0	U Q	10	1.0	0.30	mg/Kg	☼	10/30/15 15:41	1
Nitrobenzene	0.41	U	2.0	0.41	0.16	mg/Kg	☼	10/30/15 15:41	1
2-Nitrophenol	0.41	U	2.0	0.41	0.25	mg/Kg	☼	10/30/15 15:41	1
4-Nitrophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/30/15 15:41	1
N-Nitrosodi-n-propylamine	0.41	U	2.0	0.41	0.20	mg/Kg	☼	10/30/15 15:41	1
N-Nitrosodiphenylamine	0.51	U	2.0	0.51	0.20	mg/Kg	☼	10/30/15 15:41	1
Pentachlorophenol	4.1	U	10	4.1	2.0	mg/Kg	☼	10/30/15 15:41	1
Phenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:41	1
1,2,4,5-Tetrachlorobenzene	0.41	U	2.0	0.41	0.19	mg/Kg	☼	10/30/15 15:41	1
2,3,4,6-Tetrachlorophenol	0.41	U	2.0	0.41	0.13	mg/Kg	☼	10/30/15 15:41	1
2,4,5-Trichlorophenol	0.41	U	2.0	0.41	0.21	mg/Kg	☼	10/30/15 15:41	1
2,4,6-Trichlorophenol	0.41	U	2.0	0.41	0.18	mg/Kg	☼	10/30/15 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*58 - 130*	*10/23/15 12:45*	*10/30/15 15:41*	*1*
2-Fluorophenol (Surr)	*66*		*40 - 130*	*10/23/15 12:45*	*10/30/15 15:41*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 130*	*10/23/15 12:45*	*10/30/15 15:41*	*1*
Phenol-d5 (Surr)	*66*		*49 - 130*	*10/23/15 12:45*	*10/30/15 15:41*	*1*
Terphenyl-d14 (Surr)	*72*		*60 - 130*	*10/23/15 12:45*	*10/30/15 15:41*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*58 - 130*	*10/23/15 12:45*	*10/30/15 15:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 18:07	1
Atrazine	0.42	U H	2.1	0.42	0.15	mg/Kg	☼	10/30/15 18:07	1
Benzaldehyde	1.1	U H Q	2.1	1.1	0.37	mg/Kg	☼	10/30/15 18:07	1
1,1'-Biphenyl	11	U H	11	11	11	mg/Kg	☼	10/30/15 18:07	1
Bis(2-chloroethoxy)methane	0.42	U H	2.1	0.42	0.25	mg/Kg	☼	10/30/15 18:07	1
Bis(2-chloroethyl)ether	1.1	U H	2.1	1.1	0.28	mg/Kg	☼	10/30/15 18:07	1
bis (2-chloroisopropyl) ether	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	10/30/15 18:07	1
Bis(2-ethylhexyl) phthalate	**0.28**	**J H**	2.1	0.42	0.18	mg/Kg	☼	10/30/15 18:07	1
4-Bromophenyl phenyl ether	0.42	U H	2.1	0.42	0.23	mg/Kg	☼	10/30/15 18:07	1
Butyl benzyl phthalate	0.42	U H	2.1	0.42	0.16	mg/Kg	☼	10/30/15 18:07	1
Caprolactam	1.1	U H	2.1	1.1	0.42	mg/Kg	☼	10/30/15 18:07	1
Carbazole	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	10/30/15 18:07	1
4-Chloroaniline	1.1	U H	4.2	1.1	0.33	mg/Kg	☼	10/30/15 18:07	1
4-Chloro-3-methylphenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 18:07	1
2-Chloronaphthalene	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 18:07	1
2-Chlorophenol	0.42	U H	2.1	0.42	0.25	mg/Kg	☼	10/30/15 18:07	1
4-Chlorophenyl phenyl ether	0.42	U H	2.1	0.42	0.28	mg/Kg	☼	10/30/15 18:07	1
Dibenzofuran	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	10/30/15 18:07	1
3,3'-Dichlorobenzidine	0.42	U H	4.2	0.42	0.18	mg/Kg	☼	10/30/15 18:07	1
2,4-Dichlorophenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 18:07	1
Diethyl phthalate	0.42	U H	2.1	0.42	0.23	mg/Kg	☼	10/30/15 18:07	1
2,4-Dimethylphenol	1.1	U H	2.1	1.1	0.28	mg/Kg	☼	10/30/15 18:07	1
Dimethyl phthalate	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	10/30/15 18:07	1
Di-n-butyl phthalate	0.42	U H	2.1	0.42	0.19	mg/Kg	☼	10/30/15 18:07	1
2-Methyl-4,6-dinitrophenol	2.1	U H	11	2.1	1.1	mg/Kg	☼	10/30/15 18:07	1

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrophenol	8.2	U H	11	8.2	5.2	mg/Kg	☼	10/30/15 18:07	1
2,4-Dinitrotoluene	1.1	U H	2.1	1.1	0.31	mg/Kg	☼	10/30/15 18:07	1
2,6-Dinitrotoluene	0.42	U H	2.1	0.42	0.27	mg/Kg	☼	10/30/15 18:07	1
Di-n-octyl phthalate	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 18:07	1
1,4-Dioxane	2.1	U Q H	2.1	2.1	0.76	mg/Kg	☼	10/30/15 18:07	1
Hexachlorobenzene	0.42	U H	2.1	0.42	0.25	mg/Kg	☼	10/30/15 18:07	1
Hexachlorobutadiene	0.42	U H	2.1	0.42	0.23	mg/Kg	☼	10/30/15 18:07	1
Hexachlorocyclopentadiene	0.42	U H	2.1	0.42	0.26	mg/Kg	☼	10/30/15 18:07	1
Hexachloroethane	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 18:07	1
Isophorone	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	10/30/15 18:07	1
2-Methylphenol	0.42	U H	2.1	0.42	0.17	mg/Kg	☼	10/30/15 18:07	1
3 & 4 Methylphenol	0.42	U H	2.1	0.42	0.27	mg/Kg	☼	10/30/15 18:07	1
2-Nitroaniline	0.42	U H	11	0.42	0.28	mg/Kg	☼	10/30/15 18:07	1
3-Nitroaniline	1.1	U H	11	1.1	0.29	mg/Kg	☼	10/30/15 18:07	1
4-Nitroaniline	1.1	U H	11	1.1	0.31	mg/Kg	☼	10/30/15 18:07	1
Nitrobenzene	0.42	U H	2.1	0.42	0.16	mg/Kg	☼	10/30/15 18:07	1
2-Nitrophenol	0.42	U H	2.1	0.42	0.26	mg/Kg	☼	10/30/15 18:07	1
4-Nitrophenol	4.2	U H	11	4.2	2.1	mg/Kg	☼	10/30/15 18:07	1
N-Nitrosodi-n-propylamine	0.42	U H	2.1	0.42	0.20	mg/Kg	☼	10/30/15 18:07	1
N-Nitrosodiphenylamine	0.52	U H	2.1	0.52	0.21	mg/Kg	☼	10/30/15 18:07	1
Pentachlorophenol	4.2	U H	11	4.2	2.1	mg/Kg	☼	10/30/15 18:07	1
Phenol	0.42	U H	2.1	0.42	0.21	mg/Kg	☼	10/30/15 18:07	1
1,2,4,5-Tetrachlorobenzene	0.42	U H	2.1	0.42	0.20	mg/Kg	☼	10/30/15 18:07	1
2,3,4,6-Tetrachlorophenol	0.42	U H	2.1	0.42	0.14	mg/Kg	☼	10/30/15 18:07	1
2,4,5-Trichlorophenol	0.42	U H	2.1	0.42	0.22	mg/Kg	☼	10/30/15 18:07	1
2,4,6-Trichlorophenol	0.42	U H	2.1	0.42	0.18	mg/Kg	☼	10/30/15 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*58 - 130*	*10/28/15 15:25*	*10/30/15 18:07*	*1*
2-Fluorophenol (Surr)	*65*		*40 - 130*	*10/28/15 15:25*	*10/30/15 18:07*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 130*	*10/28/15 15:25*	*10/30/15 18:07*	*1*
Phenol-d5 (Surr)	*68*		*49 - 130*	*10/28/15 15:25*	*10/30/15 18:07*	*1*
Terphenyl-d14 (Surr)	*76*		*60 - 130*	*10/28/15 15:25*	*10/30/15 18:07*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*58 - 130*	*10/28/15 15:25*	*10/30/15 18:07*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	**22000**	**D**	110	21	3.3	mg/Kg	☼	10/27/15 15:22	10
Antimony	**0.20**	**J D**	2.1	0.80	0.074	mg/Kg	☼	10/27/15 15:22	10
Arsenic	**2.4**	**J D**	5.3	0.80	0.14	mg/Kg	☼	10/27/15 15:22	10
Barium	**34**	**D**	5.3	1.6	1.2	mg/Kg	☼	10/27/15 15:22	10
Beryllium	**0.30**	**J D**	1.1	0.53	0.058	mg/Kg	☼	10/27/15 15:22	10
Cadmium	**0.28**	**J D**	2.1	0.053	0.020	mg/Kg	☼	10/27/15 15:22	10
Calcium	**15000**	**D**	2100	530	120	mg/Kg	☼	10/27/15 15:22	10
Chromium	**660**	**D**	5.3	2.4	0.32	mg/Kg	☼	10/27/15 15:22	10
Cobalt	**66**	**D**	1.1	0.080	0.0090	mg/Kg	☼	10/27/15 15:22	10
Copper	**42**	**D**	4.2	1.6	0.51	mg/Kg	☼	10/27/15 15:22	10
Iron	**56000**	**D**	1100	320	34	mg/Kg	☼	10/27/15 17:46	20
Lead	**28**	**D**	3.2	1.1	0.24	mg/Kg	☼	10/27/15 15:22	10
Magnesium	**32000**	**D**	1100	130	21	mg/Kg	☼	10/27/15 15:22	10

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Manganese	820	D	5.3	2.1	0.64	mg/Kg	☼	10/27/15 15:22	10
Nickel	1300	D	5.3	1.3	0.21	mg/Kg	☼	10/27/15 15:22	10
Potassium	1500	D	1100	53	26	mg/Kg	☼	10/27/15 15:22	10
Selenium	0.69	J D	5.3	0.32	0.21	mg/Kg	☼	10/27/15 15:22	10
Silver	0.059	J D	1.1	0.27	0.0074	mg/Kg	☼	10/27/15 15:22	10
Sodium	110	J D	1100	210	46	mg/Kg	☼	10/27/15 15:22	10
Thallium	0.80	U	2.1	0.80	0.10	mg/Kg	☼	10/27/15 15:22	10
V	99	D	5.3	0.53	0.20	mg/Kg	☼	10/27/15 15:22	10
Zinc	60	D	42	11	2.7	mg/Kg	☼	10/27/15 15:22	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.058	J	0.14	0.047	0.020	mg/Kg	☼	10/23/15 16:33	1

Client Sample ID: FB101415

Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67

Matrix: Water

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Acenaphthylene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Anthracene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Benzo[a]anthracene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Benzo[a]pyrene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Benzo[b]fluoranthene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Benzo[g,h,i]perylene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Benzo[k]fluoranthene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Chrysene	0.11	U	0.21	0.11	0.048	ug/L		10/28/15 11:43	1
Dibenz(a,h)anthracene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Fluoranthene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Fluorene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Indeno[1,2,3-cd]pyrene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
1-Methylnaphthalene	0.43	U	1.1	0.43	0.43	ug/L		10/28/15 11:43	1
2-Methylnaphthalene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Naphthalene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Phenanthrene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1
Pyrene	0.21	U	0.21	0.21	0.11	ug/L		10/28/15 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*35 - 130*	*10/21/15 15:55*	*10/28/15 11:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	2.1	U	11	2.1	0.60	ug/L		10/28/15 20:45	1
Atrazine	2.1	U	11	2.1	1.3	ug/L		10/28/15 20:45	1
Benzaldehyde	1.4	J	11	2.1	1.2	ug/L		10/28/15 20:45	1
1,1'-Biphenyl	2.1	U	11	2.1	0.61	ug/L		10/28/15 20:45	1
Bis(2-chloroethoxy)methane	2.1	U	11	2.1	0.99	ug/L		10/28/15 20:45	1
Bis(2-chloroethyl)ether	2.1	U	11	2.1	1.2	ug/L		10/28/15 20:45	1

Client Sample ID: FB101415
Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	2.1	U	11	2.1	0.82	ug/L		10/28/15 20:45	1
Bis(2-ethylhexyl) phthalate	5.3	U	11	5.3	1.7	ug/L		10/28/15 20:45	1
4-Bromophenyl phenyl ether	2.1	U	11	2.1	0.81	ug/L		10/28/15 20:45	1
Butyl benzyl phthalate	2.1	U	11	2.1	1.3	ug/L		10/28/15 20:45	1
Caprolactam	2.1	U	11	2.1	0.83	ug/L		10/28/15 20:45	1
Carbazole	2.1	U	11	2.1	0.75	ug/L		10/28/15 20:45	1
4-Chloroaniline	5.3	U	21	5.3	2.3	ug/L		10/28/15 20:45	1
4-Chloro-3-methylphenol	2.1	U	11	2.1	1.1	ug/L		10/28/15 20:45	1
2-Chloronaphthalene	2.1	U	11	2.1	0.84	ug/L		10/28/15 20:45	1
2-Chlorophenol	2.1	U	11	2.1	0.92	ug/L		10/28/15 20:45	1
4-Chlorophenyl phenyl ether	2.1	U	11	2.1	0.89	ug/L		10/28/15 20:45	1
Dibenzofuran	2.1	U	11	2.1	0.83	ug/L		10/28/15 20:45	1
3,3'-Dichlorobenzidine	53	U	63	53	32	ug/L		10/28/15 20:45	1
2,4-Dichlorophenol	2.1	U	11	2.1	1.2	ug/L		10/28/15 20:45	1
Diethyl phthalate	2.1	U	11	2.1	0.93	ug/L		10/28/15 20:45	1
2,4-Dimethylphenol	11	U	11	11	4.2	ug/L		10/28/15 20:45	1
Dimethyl phthalate	2.1	U	11	2.1	1.0	ug/L		10/28/15 20:45	1
Di-n-butyl phthalate	2.1	U	11	2.1	0.88	ug/L		10/28/15 20:45	1
4,6-Dinitro-2-methylphenol	21	U	53	21	11	ug/L		10/28/15 20:45	1
2,4-Dinitrophenol	21	U	53	21	11	ug/L		10/28/15 20:45	1
2,4-Dinitrotoluene	2.1	U	11	2.1	1.3	ug/L		10/28/15 20:45	1
2,6-Dinitrotoluene	2.1	U	11	2.1	1.2	ug/L		10/28/15 20:45	1
Di-n-octyl phthalate	5.3	U	11	5.3	1.5	ug/L		10/28/15 20:45	1
1,4-Dioxane	11	U	11	11	3.6	ug/L		10/28/15 20:45	1
Hexachlorobenzene	2.1	U	11	2.1	0.83	ug/L		10/28/15 20:45	1
Hexachlorobutadiene	2.1	U	11	2.1	0.65	ug/L		10/28/15 20:45	1
Hexachlorocyclopentadiene	11	U	11	11	2.6	ug/L		10/28/15 20:45	1
Hexachloroethane	2.1	U	11	2.1	0.80	ug/L		10/28/15 20:45	1
Isophorone	2.1	U	11	2.1	0.95	ug/L		10/28/15 20:45	1
2-Methylphenol	2.1	U	11	2.1	0.94	ug/L		10/28/15 20:45	1
3 & 4 Methylphenol	5.3	U	11	5.3	1.4	ug/L		10/28/15 20:45	1
2-Nitroaniline	5.3	U	53	5.3	1.4	ug/L		10/28/15 20:45	1
3-Nitroaniline	11	U	53	11	5.3	ug/L		10/28/15 20:45	1
4-Nitroaniline	11	U	53	11	5.3	ug/L		10/28/15 20:45	1
Nitrobenzene	2.1	U	11	2.1	0.77	ug/L		10/28/15 20:45	1
2-Nitrophenol	2.1	U	11	2.1	0.80	ug/L		10/28/15 20:45	1
4-Nitrophenol	4.2	U	53	4.2	2.0	ug/L		10/28/15 20:45	1
N-Nitrosodi-n-propylamine	2.1	U	11	2.1	0.76	ug/L		10/28/15 20:45	1
N-Nitrosodiphenylamine	2.1	U	11	2.1	0.97	ug/L		10/28/15 20:45	1
Pentachlorophenol	4.2	U	53	4.2	2.1	ug/L		10/28/15 20:45	1
Phenol	2.1	U	11	2.1	0.88	ug/L		10/28/15 20:45	1
1,2,4,5-Tetrachlorobenzene	2.1	U	11	2.1	0.80	ug/L		10/28/15 20:45	1
2,3,4,6-Tetrachlorophenol	2.1	U	11	2.1	0.76	ug/L		10/28/15 20:45	1
2,4,5-Trichlorophenol	2.1	U	11	2.1	1.3	ug/L		10/28/15 20:45	1
2,4,6-Trichlorophenol	2.1	U	11	2.1	0.90	ug/L		10/28/15 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*32 - 113*	*10/21/15 15:55*	*10/28/15 20:45*	*1*
2-Fluorophenol (Surr)	*43*		*26 - 109*	*10/21/15 15:55*	*10/28/15 20:45*	*1*
Nitrobenzene-d5 (Surr)	*57*		*32 - 118*	*10/21/15 15:55*	*10/28/15 20:45*	*1*

Client Sample ID: FB101415

Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*42*		*27 - 110*	*10/21/15 15:55*	*10/28/15 20:45*	*1*
Terphenyl-d14 (Surr)	*64*		*10 - 126*	*10/21/15 15:55*	*10/28/15 20:45*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*39 - 124*	*10/21/15 15:55*	*10/28/15 20:45*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	**0.039**	**J B**	0.050	0.025	0.011	mg/L		10/20/15 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*119*		*69 - 133*		*10/20/15 19:08*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.076	U	0.11	0.076	0.054	mg/L		10/31/15 17:26	1
Oil Range Organics (C20-C36)	0.22	U	0.54	0.22	0.22	mg/L		10/31/15 17:26	1
JP-4 Fuel	0.22	U	0.22	0.22	0.22	mg/L		10/31/15 17:26	1
JP-5	0.11	U	0.11	0.11	0.11	mg/L		10/31/15 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*100*		*56 - 125*	*10/21/15 15:55*	*10/31/15 17:26*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.014	U	0.053	0.014	0.0076	ug/L		10/23/15 17:40	1
alpha-BHC	0.0080	U	0.053	0.0080	0.0036	ug/L		10/23/15 17:40	1
alpha-Chlordane	0.014	U	0.053	0.014	0.0051	ug/L		10/23/15 17:40	1
beta-BHC	0.014	U	0.053	0.014	0.0097	ug/L		10/23/15 17:40	1
Chlordane (technical)	0.17	U	0.53	0.17	0.10	ug/L		10/23/15 17:40	1
Chlorobenzilate	0.67	U	3.2	0.67	0.32	ug/L		10/23/15 17:40	1
4,4'-DDD	0.014	U	0.053	0.014	0.0067	ug/L		10/23/15 17:40	1
4,4'-DDE	0.014	U	0.053	0.014	0.0054	ug/L		10/23/15 17:40	1
4,4'-DDT	0.014	U	0.053	0.014	0.0074	ug/L		10/23/15 17:40	1
delta-BHC	0.014	U	0.053	0.014	0.0080	ug/L		10/23/15 17:40	1
Dieldrin	0.0080	U	0.053	0.0080	0.0040	ug/L		10/23/15 17:40	1
Endosulfan I	0.0080	U	0.053	0.0080	0.0037	ug/L		10/23/15 17:40	1
Endosulfan II	0.014	U	0.053	0.014	0.0045	ug/L		10/23/15 17:40	1
Endosulfan sulfate	0.014	U	0.053	0.014	0.0054	ug/L		10/23/15 17:40	1
Endrin	0.014	U	0.053	0.014	0.0056	ug/L		10/23/15 17:40	1
Endrin aldehyde	0.014	U	0.053	0.014	0.0065	ug/L		10/23/15 17:40	1
Endrin ketone	0.014	U	0.053	0.014	0.0049	ug/L		10/23/15 17:40	1
gamma-BHC (Lindane)	0.0080	U	0.053	0.0080	0.0038	ug/L		10/23/15 17:40	1
gamma-Chlordane	0.014	U	0.053	0.014	0.0053	ug/L		10/23/15 17:40	1
Heptachlor	0.014	U	0.053	0.014	0.0075	ug/L		10/23/15 17:40	1
Heptachlor epoxide	0.0080	U	0.053	0.0080	0.0039	ug/L		10/23/15 17:40	1
Isodrin	0.0080	U	0.053	0.0080	0.0076	ug/L		10/23/15 17:40	1
Kepone	0.67	U	3.2	0.67	0.47	ug/L		10/23/15 17:40	1
Methoxychlor	0.014	U	0.053	0.014	0.010	ug/L		10/23/15 17:40	1
PCB-1016	0.27	U	1.1	0.27	0.19	ug/L		10/23/15 17:40	1
PCB-1221	0.27	U	1.1	0.27	0.20	ug/L		10/23/15 17:40	1

Client Sample ID: FB101415

Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67
Matrix: Water

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1232	0.27	U	1.1	0.27	0.27	ug/L		10/23/15 17:40	1
PCB-1242	0.37	U	1.1	0.37	0.20	ug/L		10/23/15 17:40	1
PCB-1248	0.27	U	1.1	0.27	0.22	ug/L		10/23/15 17:40	1
PCB-1254	0.27	U	1.1	0.27	0.12	ug/L		10/23/15 17:40	1
PCB-1260	0.27	U	1.1	0.27	0.13	ug/L		10/23/15 17:40	1
Toxaphene	0.85	U	5.3	0.85	0.42	ug/L		10/23/15 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*	*M*	*14 - 130*	*10/21/15 15:55*	*10/23/15 17:40*	*1*
Tetrachloro-m-xylene	*73*		*44 - 124*	*10/21/15 15:55*	*10/23/15 17:40*	*1*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.049	U	0.49	0.049	0.036	ug/L		10/22/15 17:52	1
Dalapon	0.24	U	4.9	0.24	0.098	ug/L		10/22/15 17:52	1
2,4-DB	0.39	U	0.49	0.39	0.15	ug/L		10/22/15 17:52	1
Dicamba	0.15	U	0.49	0.15	0.083	ug/L		10/22/15 17:52	1
Dichlorprop	0.39	U	0.49	0.39	0.15	ug/L		10/22/15 17:52	1
Dinoseb	0.39	U	0.98	0.39	0.16	ug/L		10/22/15 17:52	1
MCPA	39	U	120	39	17	ug/L		10/22/15 17:52	1
MCPP	39	U	120	39	19	ug/L		10/22/15 17:52	1
Pentachlorophenol	0.088	U	0.24	0.088	0.036	ug/L		10/22/15 17:52	1
Silvex (2,4,5-TP)	0.15	U	0.24	0.15	0.061	ug/L		10/22/15 17:52	1
2,4,5-T	0.15	U	0.24	0.15	0.061	ug/L		10/22/15 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*84*		*32 - 138*	*10/20/15 13:09*	*10/22/15 17:52*	*1*

Client Sample ID: EB101415

Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68
Matrix: Water

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Acenaphthylene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Anthracene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Benzo[a]anthracene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Benzo[a]pyrene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Benzo[b]fluoranthene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Benzo[g,h,i]perylene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Benzo[k]fluoranthene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Chrysene	0.10	U	0.21	0.10	0.047	ug/L		10/28/15 12:08	1
Dibenz(a,h)anthracene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Fluoranthene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Fluorene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Indeno[1,2,3-cd]pyrene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
1-Methylnaphthalene	0.41	U	1.0	0.41	0.41	ug/L		10/28/15 12:08	1
2-Methylnaphthalene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Naphthalene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: EB101415
Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68
Matrix: Water

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenanthrene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1
Pyrene	0.21	U	0.21	0.21	0.10	ug/L		10/28/15 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*60*		*35 - 130*	*10/21/15 15:55*	*10/28/15 12:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	2.2	U	11	2.2	0.62	ug/L		10/28/15 21:08	1
Atrazine	2.2	U	11	2.2	1.3	ug/L		10/28/15 21:08	1
Benzaldehyde	2.2	U	11	2.2	1.2	ug/L		10/28/15 21:08	1
1,1'-Biphenyl	2.2	U	11	2.2	0.63	ug/L		10/28/15 21:08	1
Bis(2-chloroethoxy)methane	2.2	U	11	2.2	1.0	ug/L		10/28/15 21:08	1
Bis(2-chloroethyl)ether	2.2	U	11	2.2	1.2	ug/L		10/28/15 21:08	1
bis (2-chloroisopropyl) ether	2.2	U	11	2.2	0.85	ug/L		10/28/15 21:08	1
Bis(2-ethylhexyl) phthalate	5.5	U	11	5.5	1.7	ug/L		10/28/15 21:08	1
4-Bromophenyl phenyl ether	2.2	U	11	2.2	0.84	ug/L		10/28/15 21:08	1
Butyl benzyl phthalate	2.2	U	11	2.2	1.3	ug/L		10/28/15 21:08	1
Caprolactam	2.2	U	11	2.2	0.86	ug/L		10/28/15 21:08	1
Carbazole	2.2	U	11	2.2	0.77	ug/L		10/28/15 21:08	1
4-Chloroaniline	5.5	U	22	5.5	2.4	ug/L		10/28/15 21:08	1
4-Chloro-3-methylphenol	2.2	U	11	2.2	1.1	ug/L		10/28/15 21:08	1
2-Chloronaphthalene	2.2	U	11	2.2	0.87	ug/L		10/28/15 21:08	1
2-Chlorophenol	2.2	U	11	2.2	0.95	ug/L		10/28/15 21:08	1
4-Chlorophenyl phenyl ether	2.2	U	11	2.2	0.92	ug/L		10/28/15 21:08	1
Dibenzofuran	2.2	U	11	2.2	0.86	ug/L		10/28/15 21:08	1
3,3'-Dichlorobenzidine	55	U	65	55	33	ug/L		10/28/15 21:08	1
2,4-Dichlorophenol	2.2	U	11	2.2	1.2	ug/L		10/28/15 21:08	1
Diethyl phthalate	2.2	U	11	2.2	0.96	ug/L		10/28/15 21:08	1
2,4-Dimethylphenol	11	U	11	11	4.4	ug/L		10/28/15 21:08	1
Dimethyl phthalate	2.2	U	11	2.2	1.1	ug/L		10/28/15 21:08	1
Di-n-butyl phthalate	2.2	U	11	2.2	0.91	ug/L		10/28/15 21:08	1
4,6-Dinitro-2-methylphenol	22	U	55	22	11	ug/L		10/28/15 21:08	1
2,4-Dinitrophenol	22	U	55	22	11	ug/L		10/28/15 21:08	1
2,4-Dinitrotoluene	2.2	U	11	2.2	1.3	ug/L		10/28/15 21:08	1
2,6-Dinitrotoluene	2.2	U	11	2.2	1.2	ug/L		10/28/15 21:08	1
Di-n-octyl phthalate	5.5	U	11	5.5	1.5	ug/L		10/28/15 21:08	1
1,4-Dioxane	11	U	11	11	3.7	ug/L		10/28/15 21:08	1
Hexachlorobenzene	2.2	U	11	2.2	0.86	ug/L		10/28/15 21:08	1
Hexachlorobutadiene	2.2	U	11	2.2	0.68	ug/L		10/28/15 21:08	1
Hexachlorocyclopentadiene	11	U	11	11	2.7	ug/L		10/28/15 21:08	1
Hexachloroethane	2.2	U	11	2.2	0.83	ug/L		10/28/15 21:08	1
Isophorone	2.2	U	11	2.2	0.98	ug/L		10/28/15 21:08	1
2-Methylphenol	2.2	U	11	2.2	0.97	ug/L		10/28/15 21:08	1
3 & 4 Methylphenol	5.5	U	11	5.5	1.4	ug/L		10/28/15 21:08	1
2-Nitroaniline	5.5	U	55	5.5	1.4	ug/L		10/28/15 21:08	1
3-Nitroaniline	11	U	55	11	5.5	ug/L		10/28/15 21:08	1
4-Nitroaniline	11	U	55	11	5.5	ug/L		10/28/15 21:08	1
Nitrobenzene	2.2	U	11	2.2	0.80	ug/L		10/28/15 21:08	1
2-Nitrophenol	2.2	U	11	2.2	0.83	ug/L		10/28/15 21:08	1

Client Sample ID: EB101415

Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4-Nitrophenol	4.4	U	55	4.4	2.1	ug/L		10/28/15 21:08	1
N-Nitrosodi-n-propylamine	2.2	U	11	2.2	0.79	ug/L		10/28/15 21:08	1
N-Nitrosodiphenylamine	2.2	U	11	2.2	1.0	ug/L		10/28/15 21:08	1
Pentachlorophenol	4.4	U	55	4.4	2.2	ug/L		10/28/15 21:08	1
Phenol	2.2	U	11	2.2	0.91	ug/L		10/28/15 21:08	1
1,2,4,5-Tetrachlorobenzene	2.2	U	11	2.2	0.83	ug/L		10/28/15 21:08	1
2,3,4,6-Tetrachlorophenol	2.2	U	11	2.2	0.79	ug/L		10/28/15 21:08	1
2,4,5-Trichlorophenol	2.2	U	11	2.2	1.3	ug/L		10/28/15 21:08	1
2,4,6-Trichlorophenol	2.2	U	11	2.2	0.93	ug/L		10/28/15 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*45*		*32 - 113*	*10/21/15 15:55*	*10/28/15 21:08*	*1*
2-Fluorophenol (Surr)	*36*		*26 - 109*	*10/21/15 15:55*	*10/28/15 21:08*	*1*
Nitrobenzene-d5 (Surr)	*48*		*32 - 118*	*10/21/15 15:55*	*10/28/15 21:08*	*1*
Phenol-d5 (Surr)	*35*		*27 - 110*	*10/21/15 15:55*	*10/28/15 21:08*	*1*
Terphenyl-d14 (Surr)	*47*		*10 - 126*	*10/21/15 15:55*	*10/28/15 21:08*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*39 - 124*	*10/21/15 15:55*	*10/28/15 21:08*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	**0.035**	**J B**	0.050	0.025	0.011	mg/L		10/20/15 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*118*		*69 - 133*		*10/20/15 19:35*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.072	U	0.10	0.072	0.052	mg/L		10/31/15 17:41	1
Oil Range Organics (C20-C36)	0.21	U	0.52	0.21	0.21	mg/L		10/31/15 17:41	1
JP-4 Fuel	0.21	U	0.21	0.21	0.21	mg/L		10/31/15 17:41	1
JP-5	0.10	U	0.10	0.10	0.10	mg/L		10/31/15 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*100*		*56 - 125*	*10/21/15 15:55*	*10/31/15 17:41*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.014	U	0.053	0.014	0.0076	ug/L		10/23/15 17:56	1
alpha-BHC	0.0079	U	0.053	0.0079	0.0036	ug/L		10/23/15 17:56	1
alpha-Chlordane	0.014	U	0.053	0.014	0.0051	ug/L		10/23/15 17:56	1
beta-BHC	0.014	U	0.053	0.014	0.0096	ug/L		10/23/15 17:56	1
Chlordane (technical)	0.17	U	0.53	0.17	0.10	ug/L		10/23/15 17:56	1
Chlorobenzilate	0.67	U	3.2	0.67	0.32	ug/L		10/23/15 17:56	1
4,4'-DDD	0.014	U	0.053	0.014	0.0067	ug/L		10/23/15 17:56	1
4,4'-DDE	0.014	U	0.053	0.014	0.0054	ug/L		10/23/15 17:56	1
4,4'-DDT	0.014	U	0.053	0.014	0.0074	ug/L		10/23/15 17:56	1
delta-BHC	0.014	U	0.053	0.014	0.0079	ug/L		10/23/15 17:56	1
Dieldrin	0.0079	U	0.053	0.0079	0.0040	ug/L		10/23/15 17:56	1
Endosulfan I	0.0079	U	0.053	0.0079	0.0037	ug/L		10/23/15 17:56	1
Endosulfan II	0.014	U	0.053	0.014	0.0044	ug/L		10/23/15 17:56	1

Client Sample ID: EB101415

Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68

Matrix: Water

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.014	U	0.053	0.014	0.0054	ug/L		10/23/15 17:56	1
Endrin	0.014	U	0.053	0.014	0.0056	ug/L		10/23/15 17:56	1
Endrin aldehyde	0.014	U	0.053	0.014	0.0064	ug/L		10/23/15 17:56	1
Endrin ketone	0.014	U	0.053	0.014	0.0049	ug/L		10/23/15 17:56	1
gamma-BHC (Lindane)	0.0079	U	0.053	0.0079	0.0038	ug/L		10/23/15 17:56	1
gamma-Chlordane	0.014	U	0.053	0.014	0.0053	ug/L		10/23/15 17:56	1
Heptachlor	0.014	U	0.053	0.014	0.0075	ug/L		10/23/15 17:56	1
Heptachlor epoxide	0.0079	U	0.053	0.0079	0.0039	ug/L		10/23/15 17:56	1
Isodrin	0.0079	U	0.053	0.0079	0.0076	ug/L		10/23/15 17:56	1
Kepone	0.67	U	3.2	0.67	0.46	ug/L		10/23/15 17:56	1
Methoxychlor	0.014	U	0.053	0.014	0.010	ug/L		10/23/15 17:56	1
PCB-1016	0.26	U	1.1	0.26	0.19	ug/L		10/23/15 17:56	1
PCB-1221	0.26	U	1.1	0.26	0.20	ug/L		10/23/15 17:56	1
PCB-1232	0.26	U	1.1	0.26	0.26	ug/L		10/23/15 17:56	1
PCB-1242	0.37	U	1.1	0.37	0.20	ug/L		10/23/15 17:56	1
PCB-1248	0.26	U	1.1	0.26	0.22	ug/L		10/23/15 17:56	1
PCB-1254	0.26	U	1.1	0.26	0.12	ug/L		10/23/15 17:56	1
PCB-1260	0.26	U	1.1	0.26	0.13	ug/L		10/23/15 17:56	1
Toxaphene	0.85	U	5.3	0.85	0.42	ug/L		10/23/15 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*19*	*M*	*14 - 130*	*10/21/15 15:55*	*10/23/15 17:56*	*1*
Tetrachloro-m-xylene	*71*		*44 - 124*	*10/21/15 15:55*	*10/23/15 17:56*	*1*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.048	U	0.48	0.048	0.036	ug/L		10/22/15 18:10	1
Dalapon	0.24	U	4.8	0.24	0.096	ug/L		10/22/15 18:10	1
2,4-DB	0.38	U	0.48	0.38	0.14	ug/L		10/22/15 18:10	1
Dicamba	0.14	U	0.48	0.14	0.082	ug/L		10/22/15 18:10	1
Dichlorprop	0.38	U	0.48	0.38	0.14	ug/L		10/22/15 18:10	1
Dinoseb	0.38	U	0.96	0.38	0.15	ug/L		10/22/15 18:10	1
MCPA	38	U	120	38	16	ug/L		10/22/15 18:10	1
MCPP	38	U	120	38	18	ug/L		10/22/15 18:10	1
Pentachlorophenol	0.086	U	0.24	0.086	0.036	ug/L		10/22/15 18:10	1
Silvex (2,4,5-TP)	0.14	U	0.24	0.14	0.060	ug/L		10/22/15 18:10	1
2,4,5-T	0.14	U	0.24	0.14	0.060	ug/L		10/22/15 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*81*		*32 - 138*	*10/20/15 13:09*	*10/22/15 18:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-406642/7-A
Matrix: Water
Analysis Batch: 407895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406642

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	2.0	U	10	2.0	0.57	ug/L		10/28/15 19:12	1
Atrazine	2.0	U	10	2.0	1.2	ug/L		10/28/15 19:12	1
Benzaldehyde	2.0	U	10	2.0	1.1	ug/L		10/28/15 19:12	1
1,1'-Biphenyl	2.0	U	10	2.0	0.58	ug/L		10/28/15 19:12	1
Bis(2-chloroethoxy)methane	2.0	U	10	2.0	0.94	ug/L		10/28/15 19:12	1
Bis(2-chloroethyl)ether	2.0	U	10	2.0	1.1	ug/L		10/28/15 19:12	1
bis (2-chloroisopropyl) ether	2.0	U	10	2.0	0.78	ug/L		10/28/15 19:12	1
Bis(2-ethylhexyl) phthalate	5.0	U	10	5.0	1.6	ug/L		10/28/15 19:12	1
4-Bromophenyl phenyl ether	2.0	U	10	2.0	0.77	ug/L		10/28/15 19:12	1
Butyl benzyl phthalate	2.0	U	10	2.0	1.2	ug/L		10/28/15 19:12	1
Caprolactam	2.0	U	10	2.0	0.79	ug/L		10/28/15 19:12	1
Carbazole	2.0	U	10	2.0	0.71	ug/L		10/28/15 19:12	1
4-Chloroaniline	5.0	U	20	5.0	2.2	ug/L		10/28/15 19:12	1
4-Chloro-3-methylphenol	2.0	U	10	2.0	1.0	ug/L		10/28/15 19:12	1
2-Chloronaphthalene	2.0	U	10	2.0	0.80	ug/L		10/28/15 19:12	1
2-Chlorophenol	2.0	U	10	2.0	0.87	ug/L		10/28/15 19:12	1
4-Chlorophenyl phenyl ether	2.0	U	10	2.0	0.84	ug/L		10/28/15 19:12	1
Dibenzofuran	2.0	U	10	2.0	0.79	ug/L		10/28/15 19:12	1
3,3'-Dichlorobenzidine	50	U	60	50	30	ug/L		10/28/15 19:12	1
2,4-Dichlorophenol	2.0	U	10	2.0	1.1	ug/L		10/28/15 19:12	1
Diethyl phthalate	2.0	U	10	2.0	0.88	ug/L		10/28/15 19:12	1
2,4-Dimethylphenol	10	U	10	10	4.0	ug/L		10/28/15 19:12	1
Dimethyl phthalate	2.0	U	10	2.0	0.99	ug/L		10/28/15 19:12	1
Di-n-butyl phthalate	2.0	U	10	2.0	0.83	ug/L		10/28/15 19:12	1
4,6-Dinitro-2-methylphenol	20	U	50	20	10	ug/L		10/28/15 19:12	1
2,4-Dinitrophenol	20	U	50	20	10	ug/L		10/28/15 19:12	1
2,4-Dinitrotoluene	2.0	U	10	2.0	1.2	ug/L		10/28/15 19:12	1
2,6-Dinitrotoluene	2.0	U	10	2.0	1.1	ug/L		10/28/15 19:12	1
Di-n-octyl phthalate	5.0	U	10	5.0	1.4	ug/L		10/28/15 19:12	1
1,4-Dioxane	10	U	10	10	3.4	ug/L		10/28/15 19:12	1
Hexachlorobenzene	2.0	U	10	2.0	0.79	ug/L		10/28/15 19:12	1
Hexachlorobutadiene	2.0	U	10	2.0	0.62	ug/L		10/28/15 19:12	1
Hexachlorocyclopentadiene	10	U	10	10	2.5	ug/L		10/28/15 19:12	1
Hexachloroethane	2.0	U	10	2.0	0.76	ug/L		10/28/15 19:12	1
Isophorone	2.0	U	10	2.0	0.90	ug/L		10/28/15 19:12	1
2-Methylphenol	2.0	U	10	2.0	0.89	ug/L		10/28/15 19:12	1
3 & 4 Methylphenol	5.0	U	10	5.0	1.3	ug/L		10/28/15 19:12	1
2-Nitroaniline	5.0	U	50	5.0	1.3	ug/L		10/28/15 19:12	1
3-Nitroaniline	10	U	50	10	5.0	ug/L		10/28/15 19:12	1
4-Nitroaniline	10	U	50	10	5.0	ug/L		10/28/15 19:12	1
Nitrobenzene	2.0	U	10	2.0	0.73	ug/L		10/28/15 19:12	1
2-Nitrophenol	2.0	U	10	2.0	0.76	ug/L		10/28/15 19:12	1
4-Nitrophenol	4.0	U	50	4.0	1.9	ug/L		10/28/15 19:12	1
N-Nitrosodi-n-propylamine	2.0	U	10	2.0	0.72	ug/L		10/28/15 19:12	1
N-Nitrosodiphenylamine	2.0	U	10	2.0	0.92	ug/L		10/28/15 19:12	1
Pentachlorophenol	4.0	U	50	4.0	2.0	ug/L		10/28/15 19:12	1
Phenol	2.0	U	10	2.0	0.83	ug/L		10/28/15 19:12	1
1,2,4,5-Tetrachlorobenzene	2.0	U	10	2.0	0.76	ug/L		10/28/15 19:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-406642/7-A
Matrix: Water
Analysis Batch: 407895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406642

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	2.0	U	10	2.0	0.72	ug/L		10/28/15 19:12	1
2,4,5-Trichlorophenol	2.0	U	10	2.0	1.2	ug/L		10/28/15 19:12	1
2,4,6-Trichlorophenol	2.0	U	10	2.0	0.85	ug/L		10/28/15 19:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*32 - 113*	*10/21/15 15:55*	*10/28/15 19:12*	*1*
2-Fluorophenol (Surr)	*52*		*26 - 109*	*10/21/15 15:55*	*10/28/15 19:12*	*1*
Nitrobenzene-d5 (Surr)	*62*		*32 - 118*	*10/21/15 15:55*	*10/28/15 19:12*	*1*
Phenol-d5 (Surr)	*55*		*27 - 110*	*10/21/15 15:55*	*10/28/15 19:12*	*1*
Terphenyl-d14 (Surr)	*77*		*10 - 126*	*10/21/15 15:55*	*10/28/15 19:12*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*39 - 124*	*10/21/15 15:55*	*10/28/15 19:12*	*1*

Lab Sample ID: LCS 680-406642/8-A
Matrix: Water
Analysis Batch: 407895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	100	56.3		ug/L		56	46 - 118
Atrazine	100	60.2		ug/L		60	44 - 142
Benzaldehyde	100	43.6		ug/L		44	10 - 152
1,1'-Biphenyl	100	54.3		ug/L		54	49 - 115
Bis(2-chloroethoxy)methane	100	56.7		ug/L		57	48 - 120
Bis(2-chloroethyl)ether	100	53.0		ug/L		53	43 - 118
bis (2-chloroisopropyl) ether	100	48.9		ug/L		49	37 - 130
Bis(2-ethylhexyl) phthalate	100	68.9		ug/L		69	55 - 135
4-Bromophenyl phenyl ether	100	65.6		ug/L		66	55 - 124
Butyl benzyl phthalate	100	70.6		ug/L		71	53 - 134
Caprolactam	100	62.2		ug/L		62	30 - 111
Carbazole	100	69.8		ug/L		70	60 - 122
4-Chloroaniline	100	59.6		ug/L		60	33 - 117
4-Chloro-3-methylphenol	100	61.7		ug/L		62	52 - 119
2-Chloronaphthalene	100	53.2		ug/L		53	40 - 116
2-Chlorophenol	100	50.2		ug/L		50	38 - 117
4-Chlorophenyl phenyl ether	100	63.5		ug/L		63	53 - 121
Dibenzofuran	100	59.1		ug/L		59	53 - 118
3,3'-Dichlorobenzidine	100	61.8		ug/L		62	27 - 129
2,4-Dichlorophenol	100	56.1		ug/L		56	47 - 121
Diethyl phthalate	100	65.8		ug/L		66	56 - 125
2,4-Dimethylphenol	100	48.3		ug/L		48	31 - 124
Dimethyl phthalate	100	65.4		ug/L		65	45 - 127
Di-n-butyl phthalate	100	70.6		ug/L		71	59 - 127
4,6-Dinitro-2-methylphenol	200	158		ug/L		79	44 - 137
2,4-Dinitrophenol	200	140		ug/L		70	23 - 143
2,4-Dinitrotoluene	100	68.5		ug/L		69	57 - 128
2,6-Dinitrotoluene	100	67.0		ug/L		67	57 - 124
Di-n-octyl phthalate	100	69.6		ug/L		70	51 - 140
1,4-Dioxane	100	39.2		ug/L		39	30 - 76
Hexachlorobenzene	100	64.7		ug/L		65	53 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-406642/8-A
Matrix: Water
Analysis Batch: 407895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	100	37.0		ug/L		37	22 - 124
Hexachlorocyclopentadiene	100	12.5		ug/L		12	10 - 130
Hexachloroethane	100	33.0		ug/L		33	21 - 115
Isophorone	100	59.1		ug/L		59	42 - 124
2-Methylphenol	100	53.5		ug/L		54	30 - 117
3 & 4 Methylphenol	100	54.0		ug/L		54	29 - 110
2-Nitroaniline	100	62.5		ug/L		63	55 - 127
3-Nitroaniline	100	65.8		ug/L		66	41 - 128
4-Nitroaniline	100	68.7		ug/L		69	44 - 119
Nitrobenzene	100	54.8		ug/L		55	45 - 121
2-Nitrophenol	100	53.7		ug/L		54	47 - 123
4-Nitrophenol	200	122		ug/L		61	41 - 118
N-Nitrosodi-n-propylamine	100	56.0		ug/L		56	49 - 119
N-Nitrosodiphenylamine	200	131		ug/L		66	51 - 123
Pentachlorophenol	200	156		ug/L		78	35 - 138
Phenol	100	46.3		ug/L		46	35 - 101
1,2,4,5-Tetrachlorobenzene	100	51.3		ug/L		51	35 - 121
2,3,4,6-Tetrachlorophenol	100	65.9		ug/L		66	50 - 128
2,4,5-Trichlorophenol	100	57.3		ug/L		57	53 - 123
2,4,6-Trichlorophenol	100	58.3		ug/L		58	50 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*52*		*32 - 113*
2-Fluorophenol (Surr)	*38*		*26 - 109*
Nitrobenzene-d5 (Surr)	*53*		*32 - 118*
Phenol-d5 (Surr)	*43*		*27 - 110*
Terphenyl-d14 (Surr)	*65*		*10 - 126*
2,4,6-Tribromophenol (Surr)	*61*		*39 - 124*

Lab Sample ID: MB 680-407027/21-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407027

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.066	U	0.33	0.066	0.028	mg/Kg		11/01/15 18:31	1
Atrazine	0.066	U	0.33	0.066	0.023	mg/Kg		11/01/15 18:31	1
Benzaldehyde	0.17	U Q	0.33	0.17	0.057	mg/Kg		11/01/15 18:31	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/01/15 18:31	1
Bis(2-chloroethoxy)methane	0.066	U	0.33	0.066	0.038	mg/Kg		11/01/15 18:31	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.044	mg/Kg		11/01/15 18:31	1
bis (2-chloroisopropyl) ether	0.066	U	0.33	0.066	0.030	mg/Kg		11/01/15 18:31	1
Bis(2-ethylhexyl) phthalate	0.066	U	0.33	0.066	0.029	mg/Kg		11/01/15 18:31	1
4-Bromophenyl phenyl ether	0.066	U	0.33	0.066	0.035	mg/Kg		11/01/15 18:31	1
Butyl benzyl phthalate	0.066	U	0.33	0.066	0.026	mg/Kg		11/01/15 18:31	1
Caprolactam	0.17	U	0.33	0.17	0.065	mg/Kg		11/01/15 18:31	1
Carbazole	0.066	U	0.33	0.066	0.030	mg/Kg		11/01/15 18:31	1
4-Chloroaniline	0.17	U	0.65	0.17	0.051	mg/Kg		11/01/15 18:31	1
4-Chloro-3-methylphenol	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-407027/21-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407027

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1
2-Chlorophenol	0.066	U	0.33	0.066	0.039	mg/Kg		11/01/15 18:31	1
4-Chlorophenyl phenyl ether	0.066	U	0.33	0.066	0.043	mg/Kg		11/01/15 18:31	1
Dibenzofuran	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
3,3'-Dichlorobenzidine	0.066	U	0.65	0.066	0.028	mg/Kg		11/01/15 18:31	1
2,4-Dichlorophenol	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1
Diethyl phthalate	0.066	U	0.33	0.066	0.036	mg/Kg		11/01/15 18:31	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.043	mg/Kg		11/01/15 18:31	1
Dimethyl phthalate	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
Di-n-butyl phthalate	0.066	U	0.33	0.066	0.030	mg/Kg		11/01/15 18:31	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/01/15 18:31	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.82	mg/Kg		11/01/15 18:31	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.048	mg/Kg		11/01/15 18:31	1
2,6-Dinitrotoluene	0.066	U	0.33	0.066	0.041	mg/Kg		11/01/15 18:31	1
Di-n-octyl phthalate	0.066	U	0.33	0.066	0.029	mg/Kg		11/01/15 18:31	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/01/15 18:31	1
Hexachlorobenzene	0.066	U	0.33	0.066	0.038	mg/Kg		11/01/15 18:31	1
Hexachlorobutadiene	0.066	U	0.33	0.066	0.035	mg/Kg		11/01/15 18:31	1
Hexachlorocyclopentadiene	0.066	U	0.33	0.066	0.040	mg/Kg		11/01/15 18:31	1
Hexachloroethane	0.066	U	0.33	0.066	0.028	mg/Kg		11/01/15 18:31	1
Isophorone	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
2-Methylphenol	0.066	U	0.33	0.066	0.027	mg/Kg		11/01/15 18:31	1
3 & 4 Methylphenol	0.066	U	0.33	0.066	0.042	mg/Kg		11/01/15 18:31	1
2-Nitroaniline	0.066	U	1.7	0.066	0.044	mg/Kg		11/01/15 18:31	1
3-Nitroaniline	0.17	U	1.7	0.17	0.045	mg/Kg		11/01/15 18:31	1
4-Nitroaniline	0.17	U	1.7	0.17	0.048	mg/Kg		11/01/15 18:31	1
Nitrobenzene	0.066	U	0.33	0.066	0.026	mg/Kg		11/01/15 18:31	1
2-Nitrophenol	0.066	U	0.33	0.066	0.040	mg/Kg		11/01/15 18:31	1
4-Nitrophenol	0.66	U	1.7	0.66	0.33	mg/Kg		11/01/15 18:31	1
N-Nitrosodi-n-propylamine	0.066	U	0.33	0.066	0.032	mg/Kg		11/01/15 18:31	1
N-Nitrosodiphenylamine	0.082	U	0.33	0.082	0.033	mg/Kg		11/01/15 18:31	1
Pentachlorophenol	0.66	U	1.7	0.66	0.33	mg/Kg		11/01/15 18:31	1
Phenol	0.066	U	0.33	0.066	0.033	mg/Kg		11/01/15 18:31	1
1,2,4,5-Tetrachlorobenzene	0.066	U	0.33	0.066	0.031	mg/Kg		11/01/15 18:31	1
2,3,4,6-Tetrachlorophenol	0.066	U	0.33	0.066	0.022	mg/Kg		11/01/15 18:31	1
2,4,5-Trichlorophenol	0.066	U	0.33	0.066	0.034	mg/Kg		11/01/15 18:31	1
2,4,6-Trichlorophenol	0.066	U	0.33	0.066	0.029	mg/Kg		11/01/15 18:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
2-Fluorophenol (Surr)	*48*		*40 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
Phenol-d5 (Surr)	*47*	*Q*	*49 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
Terphenyl-d14 (Surr)	*59*	*Q*	*60 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*
2,4,6-Tribromophenol (Surr)	*55*	*Q*	*58 - 130*	*10/24/15 08:26*	*11/01/15 18:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-407027/22-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.32	1.85		mg/Kg		56	33 - 115
Atrazine	3.32	2.03		mg/Kg		61	47 - 127
Benzaldehyde	3.32	0.790		mg/Kg		24	10 - 130
1,1'-Biphenyl	3.32	1.97		mg/Kg		59	40 - 117
Bis(2-chloroethoxy)methane	3.32	1.88		mg/Kg		57	36 - 121
Bis(2-chloroethyl)ether	3.32	1.74		mg/Kg		52	31 - 120
bis (2-chloroisopropyl) ether	3.32	2.01		mg/Kg		60	33 - 131
Bis(2-ethylhexyl) phthalate	3.32	2.20		mg/Kg		66	51 - 133
4-Bromophenyl phenyl ether	3.32	2.09		mg/Kg		63	46 - 124
Butyl benzyl phthalate	3.32	2.20		mg/Kg		66	48 - 132
Caprolactam	3.32	2.11		mg/Kg		64	46 - 117
Carbazole	3.32	2.20		mg/Kg		66	50 - 123
4-Chloroaniline	3.32	1.59		mg/Kg		48	17 - 106
4-Chloro-3-methylphenol	3.32	2.23		mg/Kg		67	45 - 122
2-Chloronaphthalene	3.32	2.02		mg/Kg		61	41 - 114
2-Chlorophenol	3.32	1.91		mg/Kg		58	34 - 121
4-Chlorophenyl phenyl ether	3.32	2.05		mg/Kg		62	45 - 121
Dibenzofuran	3.32	2.01		mg/Kg		61	44 - 120
3,3'-Dichlorobenzidine	3.32	1.96		mg/Kg		59	22 - 121
2,4-Dichlorophenol	3.32	2.01		mg/Kg		60	40 - 122
Diethyl phthalate	3.32	2.21		mg/Kg		66	50 - 124
2,4-Dimethylphenol	3.32	2.00		mg/Kg		60	30 - 127
Dimethyl phthalate	3.32	2.14		mg/Kg		64	48 - 124
Di-n-butyl phthalate	3.32	2.21		mg/Kg		67	51 - 128
2-Methyl-4,6-dinitrophenol	6.64	3.03		mg/Kg		46	29 - 132
2,4-Dinitrophenol	6.64	2.69		mg/Kg		40	10 - 130
2,4-Dinitrotoluene	3.32	2.10		mg/Kg		63	48 - 126
2,6-Dinitrotoluene	3.32	2.18		mg/Kg		66	46 - 124
Di-n-octyl phthalate	3.32	2.23		mg/Kg		67	45 - 140
1,4-Dioxane	3.32	1.04		mg/Kg		31	14 - 130
Hexachlorobenzene	3.32	2.03		mg/Kg		61	45 - 122
Hexachlorobutadiene	3.32	1.99		mg/Kg		60	32 - 123
Hexachlorocyclopentadiene	3.32	0.751	Q	mg/Kg		23	28 - 130
Hexachloroethane	3.32	1.67		mg/Kg		50	28 - 117
Isophorone	3.32	1.94		mg/Kg		59	30 - 122
2-Methylphenol	3.32	1.97		mg/Kg		59	32 - 122
3 & 4 Methylphenol	3.32	2.00		mg/Kg		60	34 - 119
2-Nitroaniline	3.32	2.10		mg/Kg		63	44 - 127
3-Nitroaniline	3.32	1.79		mg/Kg		54	33 - 119
4-Nitroaniline	3.32	1.87		mg/Kg		56	41 - 130
Nitrobenzene	3.32	1.92		mg/Kg		58	34 - 122
2-Nitrophenol	3.32	1.95		mg/Kg		59	36 - 123
4-Nitrophenol	6.64	4.68		mg/Kg		70	30 - 132
N-Nitrosodi-n-propylamine	3.32	1.89		mg/Kg		57	36 - 120
N-Nitrosodiphenylamine	6.64	4.13		mg/Kg		62	38 - 127
Pentachlorophenol	6.64	4.22		mg/Kg		64	25 - 133
Phenol	3.32	1.88		mg/Kg		57	34 - 121
1,2,4,5-Tetrachlorobenzene	3.32	1.98		mg/Kg		60	37 - 119

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-407027/22-A
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,4,6-Tetrachlorophenol	3.32	2.20		mg/Kg		66	44 - 125
2,4,5-Trichlorophenol	3.32	2.10		mg/Kg		63	41 - 124
2,4,6-Trichlorophenol	3.32	2.11		mg/Kg		63	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*55*	*Q*	*58 - 130*
2-Fluorophenol (Surr)	*53*		*40 - 130*
Nitrobenzene-d5 (Surr)	*57*		*46 - 130*
Phenol-d5 (Surr)	*56*		*49 - 130*
Terphenyl-d14 (Surr)	*63*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*64*		*58 - 130*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	0.35	U J	17.8	8.44		mg/Kg	☼	47	33 - 115
Atrazine	0.35	U J	17.8	8.83		mg/Kg	☼	50	47 - 127
Benzaldehyde	0.89	U J Q	17.8	4.34		mg/Kg	☼	24	10 - 130
1,1'-Biphenyl	8.9	U J	17.8	9.1	U J	mg/Kg	☼	0	40 - 117
Bis(2-chloroethoxy)methane	0.35	U J	17.8	8.96		mg/Kg	☼	50	36 - 121
Bis(2-chloroethyl)ether	0.89	U J	17.8	8.82		mg/Kg	☼	49	31 - 120
bis (2-chloroisopropyl) ether	0.35	U J	17.8	9.94		mg/Kg	☼	56	33 - 131
Bis(2-ethylhexyl) phthalate	0.35	U J	17.8	9.72		mg/Kg	☼	54	51 - 133
4-Bromophenyl phenyl ether	0.35	U J	17.8	9.18		mg/Kg	☼	51	46 - 124
Butyl benzyl phthalate	0.35	U J	17.8	9.70		mg/Kg	☼	54	48 - 132
Caprolactam	0.89	U J	17.8	7.10	J	mg/Kg	☼	40	46 - 117
Carbazole	0.90	J J	17.8	10.4		mg/Kg	☼	53	50 - 123
4-Chloroaniline	0.89	U J	17.8	7.81		mg/Kg	☼	44	17 - 106
4-Chloro-3-methylphenol	0.35	U J	17.8	10.0		mg/Kg	☼	56	45 - 122
2-Chloronaphthalene	0.35	U J	17.8	8.72		mg/Kg	☼	49	41 - 114
2-Chlorophenol	0.35	U J	17.8	9.12		mg/Kg	☼	51	34 - 121
4-Chlorophenyl phenyl ether	0.35	U J	17.8	8.96		mg/Kg	☼	50	45 - 121
Dibenzofuran	0.48	J J	17.8	9.32		mg/Kg	☼	50	44 - 120
3,3'-Dichlorobenzidine	0.35	U	17.8	8.78		mg/Kg	☼	49	22 - 121
2,4-Dichlorophenol	0.35	U J	17.8	9.35		mg/Kg	☼	52	40 - 122
Diethyl phthalate	0.35	U J	17.8	9.10		mg/Kg	☼	51	50 - 124
2,4-Dimethylphenol	0.89	U J	17.8	8.90		mg/Kg	☼	50	30 - 127
Dimethyl phthalate	0.35	U J	17.8	9.16		mg/Kg	☼	51	48 - 124
Di-n-butyl phthalate	0.35	U J	17.8	9.31		mg/Kg	☼	52	51 - 128
2-Methyl-4,6-dinitrophenol	1.7	U J	35.7	6.99	J	mg/Kg	☼	20	29 - 132
2,4-Dinitrophenol	6.8	U J	35.7	7.0	U J	mg/Kg	☼	0	10 - 130
2,4-Dinitrotoluene	0.89	U J	17.8	8.97		mg/Kg	☼	50	48 - 126
2,6-Dinitrotoluene	0.35	U J	17.8	8.93		mg/Kg	☼	50	46 - 124
Di-n-octyl phthalate	0.35	U J	17.8	9.70		mg/Kg	☼	54	45 - 140
1,4-Dioxane	1.7	U Q J	17.8	4.24		mg/Kg	☼	24	14 - 130
Hexachlorobenzene	0.35	U J	17.8	9.18		mg/Kg	☼	51	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	0.35	U J	17.8	8.31		mg/Kg	☼	47	32 - 123
Hexachlorocyclopentadiene	0.35	U J Q	17.8	3.00	J	mg/Kg	☼	17	28 - 130
Hexachloroethane	0.35	U J	17.8	7.97		mg/Kg	☼	45	28 - 117
Isophorone	0.35	U J	17.8	8.56		mg/Kg	☼	48	30 - 122
2-Methylphenol	0.35	U J	17.8	9.69		mg/Kg	☼	54	32 - 122
3 & 4 Methylphenol	0.35	U J	17.8	9.78		mg/Kg	☼	55	34 - 119
2-Nitroaniline	0.35	U J	17.8	9.51		mg/Kg	☼	53	44 - 127
3-Nitroaniline	0.89	U	17.8	8.87	J	mg/Kg	☼	50	33 - 119
4-Nitroaniline	0.89	U J	17.8	8.54	J	mg/Kg	☼	48	41 - 130
Nitrobenzene	0.35	U J	17.8	8.81		mg/Kg	☼	49	34 - 122
2-Nitrophenol	0.35	U J	17.8	8.72		mg/Kg	☼	49	36 - 123
4-Nitrophenol	3.5	U J	35.7	19.8		mg/Kg	☼	56	30 - 132
N-Nitrosodi-n-propylamine	0.35	U J	17.8	9.25		mg/Kg	☼	52	36 - 120
N-Nitrosodiphenylamine	0.44	U J	35.7	17.9		mg/Kg	☼	50	38 - 127
Pentachlorophenol	3.5	U J	35.7	15.2		mg/Kg	☼	43	25 - 133
Phenol	0.35	U J	17.8	8.85		mg/Kg	☼	50	34 - 121
1,2,4,5-Tetrachlorobenzene	0.35	U J	17.8	8.76		mg/Kg	☼	49	37 - 119
2,3,4,6-Tetrachlorophenol	0.35	U J	17.8	8.87		mg/Kg	☼	50	44 - 125
2,4,5-Trichlorophenol	0.35	U J	17.8	9.02		mg/Kg	☼	51	41 - 124
2,4,6-Trichlorophenol	0.35	U J	17.8	9.26		mg/Kg	☼	52	39 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*47*	*Q*	*58 - 130*
2-Fluorophenol (Surr)	*46*		*40 - 130*
Nitrobenzene-d5 (Surr)	*50*		*46 - 130*
Phenol-d5 (Surr)	*50*		*49 - 130*
Terphenyl-d14 (Surr)	*51*	*Q*	*60 - 130*
2,4,6-Tribromophenol (Surr)	*48*	*Q*	*58 - 130*

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	0.35	U J	17.7	11.7	J	mg/Kg	☼	66	33 - 115	32	20
Atrazine	0.35	U J	17.7	11.7	J	mg/Kg	☼	66	47 - 127	28	20
Benzaldehyde	0.89	U J Q	17.7	3.11	J	mg/Kg	☼	18	10 - 130	33	20
1,1'-Biphenyl	8.9	U J	17.7	12.2	J	mg/Kg	☼	69	40 - 117	200	20
Bis(2-chloroethoxy)methane	0.35	U J	17.7	12.2	J	mg/Kg	☼	69	36 - 121	30	20
Bis(2-chloroethyl)ether	0.89	U J	17.7	11.2	J	mg/Kg	☼	63	31 - 120	24	20
bis (2-chloroisopropyl) ether	0.35	U J	17.7	12.9	J	mg/Kg	☼	73	33 - 131	26	20
Bis(2-ethylhexyl) phthalate	0.35	U J	17.7	13.1	J	mg/Kg	☼	74	51 - 133	29	20
4-Bromophenyl phenyl ether	0.35	U J	17.7	12.7	J	mg/Kg	☼	72	46 - 124	32	20
Butyl benzyl phthalate	0.35	U J	17.7	13.4	J	mg/Kg	☼	76	48 - 132	32	20
Caprolactam	0.89	U J	17.7	10.7	J	mg/Kg	☼	61	46 - 117	41	20
Carbazole	0.90	J J	17.7	15.0	J	mg/Kg	☼	80	50 - 123	37	20
4-Chloroaniline	0.89	U J	17.7	5.93	J	mg/Kg	☼	34	17 - 106	27	20
4-Chloro-3-methylphenol	0.35	U J	17.7	13.6	J	mg/Kg	☼	77	45 - 122	31	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408457

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloronaphthalene	0.35	U J	17.7	12.4	J	mg/Kg	☼	70	41 - 114	35	20
2-Chlorophenol	0.35	U J	17.7	11.5	J	mg/Kg	☼	65	34 - 121	23	20
4-Chlorophenyl phenyl ether	0.35	U J	17.7	13.0	J	mg/Kg	☼	73	45 - 121	36	20
Dibenzofuran	0.48	J J	17.7	13.6	J	mg/Kg	☼	74	44 - 120	37	20
3,3'-Dichlorobenzidine	0.35	U	17.7	7.87		mg/Kg	☼	45	22 - 121	11	20
2,4-Dichlorophenol	0.35	U J	17.7	13.2	J	mg/Kg	☼	74	40 - 122	34	20
Diethyl phthalate	0.35	U J	17.7	13.6	J	mg/Kg	☼	77	50 - 124	40	20
2,4-Dimethylphenol	0.89	U J	17.7	12.4	J	mg/Kg	☼	70	30 - 127	33	20
Dimethyl phthalate	0.35	U J	17.7	13.0	J	mg/Kg	☼	74	48 - 124	35	20
Di-n-butyl phthalate	0.35	U J	17.7	13.8	J	mg/Kg	☼	78	51 - 128	39	20
2-Methyl-4,6-dinitrophenol	1.7	U J	35.3	11.1	J	mg/Kg	☼	32	29 - 132	46	20
2,4-Dinitrophenol	6.8	U J	35.3	4.45	J	mg/Kg	☼	13	10 - 130	200	20
2,4-Dinitrotoluene	0.89	U J	17.7	13.3	J	mg/Kg	☼	75	48 - 126	39	20
2,6-Dinitrotoluene	0.35	U J	17.7	13.5	J	mg/Kg	☼	77	46 - 124	41	20
Di-n-octyl phthalate	0.35	U J	17.7	13.9	J	mg/Kg	☼	79	45 - 140	36	20
1,4-Dioxane	1.7	U Q J	17.7	5.95	J	mg/Kg	☼	34	14 - 130	33	20
Hexachlorobenzene	0.35	U J	17.7	12.4	J	mg/Kg	☼	70	45 - 122	30	20
Hexachlorobutadiene	0.35	U J	17.7	11.6	J	mg/Kg	☼	66	32 - 123	33	20
Hexachlorocyclopentadiene	0.35	U J Q	17.7	4.37	J	mg/Kg	☼	25	28 - 130	37	20
Hexachloroethane	0.35	U J	17.7	10.1	J	mg/Kg	☼	57	28 - 117	23	20
Isophorone	0.35	U J	17.7	11.9	J	mg/Kg	☼	68	30 - 122	33	20
2-Methylphenol	0.35	U J	17.7	12.5	J	mg/Kg	☼	71	32 - 122	25	20
3 & 4 Methylphenol	0.35	U J	17.7	12.4	J	mg/Kg	☼	70	34 - 119	23	20
2-Nitroaniline	0.35	U J	17.7	13.9	J	mg/Kg	☼	79	44 - 127	37	20
3-Nitroaniline	0.89	U	17.7	9.32		mg/Kg	☼	53	33 - 119	5	20
4-Nitroaniline	0.89	U J	17.7	11.8	J	mg/Kg	☼	67	41 - 130	32	20
Nitrobenzene	0.35	U J	17.7	12.4	J	mg/Kg	☼	70	34 - 122	34	20
2-Nitrophenol	0.35	U J	17.7	12.1	J	mg/Kg	☼	69	36 - 123	33	20
4-Nitrophenol	3.5	U J	35.3	29.5	J	mg/Kg	☼	83	30 - 132	39	20
N-Nitrosodi-n-propylamine	0.35	U J	17.7	11.8	J	mg/Kg	☼	67	36 - 120	25	20
N-Nitrosodiphenylamine	0.44	U J	35.3	24.5	J	mg/Kg	☼	69	38 - 127	31	20
Pentachlorophenol	3.5	U J	35.3	22.5	J	mg/Kg	☼	64	25 - 133	39	20
Phenol	0.35	U J	17.7	11.3	J	mg/Kg	☼	64	34 - 121	24	20
1,2,4,5-Tetrachlorobenzene	0.35	U J	17.7	12.5	J	mg/Kg	☼	71	37 - 119	35	20
2,3,4,6-Tetrachlorophenol	0.35	U J	17.7	13.0	J	mg/Kg	☼	73	44 - 125	38	20
2,4,5-Trichlorophenol	0.35	U J	17.7	12.6	J	mg/Kg	☼	71	41 - 124	33	20
2,4,6-Trichlorophenol	0.35	U J	17.7	13.1	J	mg/Kg	☼	74	39 - 126	34	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*65*		*58 - 130*
2-Fluorophenol (Surr)	*59*		*40 - 130*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*
Phenol-d5 (Surr)	*63*		*49 - 130*
Terphenyl-d14 (Surr)	*71*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*73*		*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-407036/7-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407036

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 02:33	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		11/04/15 02:33	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		11/04/15 02:33	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/04/15 02:33	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 02:33	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		11/04/15 02:33	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:33	1
Bis(2-ethylhexyl) phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:33	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 02:33	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 02:33	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		11/04/15 02:33	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:33	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		11/04/15 02:33	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:33	1
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:33	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		11/04/15 02:33	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		11/04/15 02:33	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 02:33	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		11/04/15 02:33	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:33	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		11/04/15 02:33	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		11/04/15 02:33	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 02:33	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 02:33	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/04/15 02:33	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		11/04/15 02:33	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		11/04/15 02:33	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		11/04/15 02:33	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:33	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/04/15 02:33	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 02:33	1
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 02:33	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 02:33	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 02:33	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 02:33	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		11/04/15 02:33	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		11/04/15 02:33	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		11/04/15 02:33	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		11/04/15 02:33	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		11/04/15 02:33	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 02:33	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 02:33	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 02:33	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		11/04/15 02:33	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		11/04/15 02:33	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 02:33	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 02:33	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		11/04/15 02:33	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-407036/7-A
Matrix: Solid
Analysis Batch: 408812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407036

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		11/04/15 02:33	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 02:33	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 02:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*58 - 130*	*10/23/15 12:45*	*11/04/15 02:33*	*1*
2-Fluorophenol (Surr)	*61*		*40 - 130*	*10/23/15 12:45*	*11/04/15 02:33*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 130*	*10/23/15 12:45*	*11/04/15 02:33*	*1*
Phenol-d5 (Surr)	*65*		*49 - 130*	*10/23/15 12:45*	*11/04/15 02:33*	*1*
Terphenyl-d14 (Surr)	*97*		*60 - 130*	*10/23/15 12:45*	*11/04/15 02:33*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*	*10/23/15 12:45*	*11/04/15 02:33*	*1*

Lab Sample ID: LCS 680-407036/8-A
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.32	1.40		mg/Kg		42	33 - 115
Atrazine	3.32	1.62		mg/Kg		49	47 - 127
Benzaldehyde	3.32	0.152	J Q	mg/Kg		5	10 - 130
1,1'-Biphenyl	3.32	1.7	U	mg/Kg		42	40 - 117
Bis(2-chloroethoxy)methane	3.32	1.44		mg/Kg		43	36 - 121
Bis(2-chloroethyl)ether	3.32	1.33		mg/Kg		40	31 - 120
bis (2-chloroisopropyl) ether	3.32	1.37		mg/Kg		41	33 - 131
Bis(2-ethylhexyl) phthalate	3.32	1.79		mg/Kg		54	51 - 133
4-Bromophenyl phenyl ether	3.32	1.67		mg/Kg		50	46 - 124
Butyl benzyl phthalate	3.32	1.77		mg/Kg		53	48 - 132
Caprolactam	3.32	1.64		mg/Kg		50	46 - 117
Carbazole	3.32	1.65		mg/Kg		50	50 - 123
4-Chloroaniline	3.32	0.947		mg/Kg		29	17 - 106
4-Chloro-3-methylphenol	3.32	1.68		mg/Kg		51	45 - 122
2-Chloronaphthalene	3.32	1.42		mg/Kg		43	41 - 114
2-Chlorophenol	3.32	1.40		mg/Kg		42	34 - 121
4-Chlorophenyl phenyl ether	3.32	1.43	Q	mg/Kg		43	45 - 121
Dibenzofuran	3.32	1.37	Q	mg/Kg		41	44 - 120
3,3'-Dichlorobenzidine	3.32	1.19		mg/Kg		36	22 - 121
2,4-Dichlorophenol	3.32	1.57		mg/Kg		47	40 - 122
Diethyl phthalate	3.32	1.48	Q	mg/Kg		45	50 - 124
2,4-Dimethylphenol	3.32	1.50		mg/Kg		45	30 - 127
Dimethyl phthalate	3.32	1.57	Q	mg/Kg		47	48 - 124
Di-n-butyl phthalate	3.32	1.78		mg/Kg		54	51 - 128
2-Methyl-4,6-dinitrophenol	6.63	2.27		mg/Kg		34	29 - 132
2,4-Dinitrophenol	6.63	1.11	J	mg/Kg		17	10 - 130
2,4-Dinitrotoluene	3.32	1.49	Q	mg/Kg		45	48 - 126
2,6-Dinitrotoluene	3.32	1.60		mg/Kg		48	46 - 124
Di-n-octyl phthalate	3.32	1.81		mg/Kg		54	45 - 140
1,4-Dioxane	3.32	0.580		mg/Kg		17	14 - 130
Hexachlorobenzene	3.32	1.65		mg/Kg		50	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-407036/8-A
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3.32	1.46		mg/Kg		44	32 - 123
Hexachlorocyclopentadiene	3.32	0.893	Q	mg/Kg		27	28 - 130
Hexachloroethane	3.32	1.17		mg/Kg		35	28 - 117
Isophorone	3.32	1.43		mg/Kg		43	30 - 122
2-Methylphenol	3.32	1.41		mg/Kg		43	32 - 122
3 & 4 Methylphenol	3.32	1.42		mg/Kg		43	34 - 119
2-Nitroaniline	3.32	1.40	J Q	mg/Kg		42	44 - 127
3-Nitroaniline	3.32	1.27	J	mg/Kg		38	33 - 119
4-Nitroaniline	3.32	1.30	J Q	mg/Kg		39	41 - 130
Nitrobenzene	3.32	1.35		mg/Kg		41	34 - 122
2-Nitrophenol	3.32	1.44		mg/Kg		43	36 - 123
4-Nitrophenol	6.63	2.74		mg/Kg		41	30 - 132
N-Nitrosodi-n-propylamine	3.32	1.40		mg/Kg		42	36 - 120
N-Nitrosodiphenylamine	6.63	3.17		mg/Kg		48	38 - 127
Pentachlorophenol	6.63	3.16		mg/Kg		48	25 - 133
Phenol	3.32	1.43		mg/Kg		43	34 - 121
1,2,4,5-Tetrachlorobenzene	3.32	1.43		mg/Kg		43	37 - 119
2,3,4,6-Tetrachlorophenol	3.32	1.48		mg/Kg		45	44 - 125
2,4,5-Trichlorophenol	3.32	1.51		mg/Kg		46	41 - 124
2,4,6-Trichlorophenol	3.32	1.55		mg/Kg		47	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*41*	*Q*	*58 - 130*
2-Fluorophenol (Surr)	*40*		*40 - 130*
Nitrobenzene-d5 (Surr)	*40*	*Q*	*46 - 130*
Phenol-d5 (Surr)	*42*	*Q*	*49 - 130*
Terphenyl-d14 (Surr)	*47*	*Q*	*60 - 130*
2,4,6-Tribromophenol (Surr)	*44*	*Q*	*58 - 130*

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	0.39	U J	19.1	9.76		mg/Kg	☼	51	33 - 115
Atrazine	0.39	U J	19.1	10.3		mg/Kg	☼	54	47 - 127
Benzaldehyde	0.99	U J Q	19.1	4.10		mg/Kg	☼	21	10 - 130
1,1'-Biphenyl	9.9	U J	19.1	10.3		mg/Kg	☼	54	40 - 117
Bis(2-chloroethoxy)methane	0.39	U J	19.1	9.97		mg/Kg	☼	52	36 - 121
Bis(2-chloroethyl)ether	0.99	U J	19.1	9.44		mg/Kg	☼	49	31 - 120
bis (2-chloroisopropyl) ether	0.39	U	19.1	10.1		mg/Kg	☼	53	33 - 131
Bis(2-ethylhexyl) phthalate	0.39	U J	19.1	12.2		mg/Kg	☼	64	51 - 133
4-Bromophenyl phenyl ether	0.39	U J	19.1	10.8		mg/Kg	☼	56	46 - 124
Butyl benzyl phthalate	0.39	U J	19.1	12.2		mg/Kg	☼	64	48 - 132
Caprolactam	0.99	U J	19.1	8.81		mg/Kg	☼	46	46 - 117
Carbazole	0.39	U J	19.1	10.8		mg/Kg	☼	57	50 - 123
4-Chloroaniline	0.99	U J	19.1	7.44		mg/Kg	☼	39	17 - 106
4-Chloro-3-methylphenol	0.39	U J	19.1	10.6		mg/Kg	☼	55	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	0.39	U J	19.1	10.2		mg/Kg	☼	53	41 - 114
2-Chlorophenol	0.39	U J	19.1	10.1		mg/Kg	☼	53	34 - 121
4-Chlorophenyl phenyl ether	0.39	U J Q	19.1	10.8		mg/Kg	☼	56	45 - 121
Dibenzofuran	0.39	U J Q	19.1	10.3		mg/Kg	☼	54	44 - 120
3,3'-Dichlorobenzidine	0.39	U J	19.1	9.33		mg/Kg	☼	49	22 - 121
2,4-Dichlorophenol	0.39	U J	19.1	10.4		mg/Kg	☼	54	40 - 122
Diethyl phthalate	0.39	U J Q	19.1	11.3		mg/Kg	☼	59	50 - 124
2,4-Dimethylphenol	0.99	U J	19.1	10.2		mg/Kg	☼	53	30 - 127
Dimethyl phthalate	0.39	U J Q	19.1	10.7		mg/Kg	☼	56	48 - 124
Di-n-butyl phthalate	0.39	U J	19.1	11.6		mg/Kg	☼	61	51 - 128
2-Methyl-4,6-dinitrophenol	1.9	U J	38.3	14.1		mg/Kg	☼	37	29 - 132
2,4-Dinitrophenol	7.5	U J	38.3	5.70	J	mg/Kg	☼	15	10 - 130
2,4-Dinitrotoluene	0.99	U J Q	19.1	10.9		mg/Kg	☼	57	48 - 126
2,6-Dinitrotoluene	0.39	U J	19.1	10.6		mg/Kg	☼	56	46 - 124
Di-n-octyl phthalate	0.39	U J	19.1	12.2		mg/Kg	☼	64	45 - 140
1,4-Dioxane	1.9	U	19.1	4.52		mg/Kg	☼	24	14 - 130
Hexachlorobenzene	0.39	U J	19.1	10.8		mg/Kg	☼	56	45 - 122
Hexachlorobutadiene	0.39	U	19.1	10.4		mg/Kg	☼	54	32 - 123
Hexachlorocyclopentadiene	0.39	U J Q	19.1	5.51		mg/Kg	☼	29	28 - 130
Hexachloroethane	0.39	U	19.1	9.15		mg/Kg	☼	48	28 - 117
Isophorone	0.39	U J	19.1	9.87		mg/Kg	☼	52	30 - 122
2-Methylphenol	0.39	U	19.1	10.3		mg/Kg	☼	54	32 - 122
3 & 4 Methylphenol	0.39	U J	19.1	9.82		mg/Kg	☼	51	34 - 119
2-Nitroaniline	0.39	U J Q	19.1	10.3		mg/Kg	☼	54	44 - 127
3-Nitroaniline	0.99	U	19.1	9.64	J	mg/Kg	☼	50	33 - 119
4-Nitroaniline	0.99	U Q	19.1	10.1		mg/Kg	☼	53	41 - 130
Nitrobenzene	0.39	U J	19.1	9.54		mg/Kg	☼	50	34 - 122
2-Nitrophenol	0.39	U J	19.1	10.1		mg/Kg	☼	53	36 - 123
4-Nitrophenol	3.9	U J	38.3	20.1		mg/Kg	☼	53	30 - 132
N-Nitrosodi-n-propylamine	0.39	U	19.1	10.1		mg/Kg	☼	53	36 - 120
N-Nitrosodiphenylamine	0.48	U J	38.3	21.4		mg/Kg	☼	56	38 - 127
Pentachlorophenol	3.9	U J	38.3	16.7		mg/Kg	☼	44	25 - 133
Phenol	0.39	U	19.1	9.94		mg/Kg	☼	52	34 - 121
1,2,4,5-Tetrachlorobenzene	0.39	U J	19.1	10.4		mg/Kg	☼	55	37 - 119
2,3,4,6-Tetrachlorophenol	0.39	U J	19.1	10.5		mg/Kg	☼	55	44 - 125
2,4,5-Trichlorophenol	0.39	U J	19.1	10.7		mg/Kg	☼	56	41 - 124
2,4,6-Trichlorophenol	0.39	U J	19.1	10.8		mg/Kg	☼	56	39 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*52*	*Q*	*58 - 130*
2-Fluorophenol (Surr)	*49*		*40 - 130*
Nitrobenzene-d5 (Surr)	*49*		*46 - 130*
Phenol-d5 (Surr)	*51*		*49 - 130*
Terphenyl-d14 (Surr)	*59*	*Q*	*60 - 130*
2,4,6-Tribromophenol (Surr)	*57*	*Q*	*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	0.39	U J	19.5	12.2	J	mg/Kg	☼	63	33 - 115	22	20
Atrazine	0.39	U J	19.5	13.8	J	mg/Kg	☼	71	47 - 127	30	20
Benzaldehyde	0.99	U J Q	19.5	2.45	J	mg/Kg	☼	13	10 - 130	50	20
1,1'-Biphenyl	9.9	U J	19.5	13.3	J	mg/Kg	☼	68	40 - 117	26	20
Bis(2-chloroethoxy)methane	0.39	U J	19.5	12.6	J	mg/Kg	☼	65	36 - 121	23	20
Bis(2-chloroethyl)ether	0.99	U J	19.5	11.8	J	mg/Kg	☼	60	31 - 120	22	20
bis (2-chloroisopropyl) ether	0.39	U	19.5	11.8		mg/Kg	☼	61	33 - 131	16	20
Bis(2-ethylhexyl) phthalate	0.39	U J	19.5	15.2	J	mg/Kg	☼	78	51 - 133	22	20
4-Bromophenyl phenyl ether	0.39	U J	19.5	15.0	J	mg/Kg	☼	77	46 - 124	32	20
Butyl benzyl phthalate	0.39	U J	19.5	15.1	J	mg/Kg	☼	77	48 - 132	21	20
Caprolactam	0.99	U J	19.5	11.6	J	mg/Kg	☼	60	46 - 117	27	20
Carbazole	0.39	U J	19.5	14.7	J	mg/Kg	☼	76	50 - 123	30	20
4-Chloroaniline	0.99	U J	19.5	5.69	J	mg/Kg	☼	29	17 - 106	27	20
4-Chloro-3-methylphenol	0.39	U J	19.5	14.0	J	mg/Kg	☼	72	45 - 122	28	20
2-Chloronaphthalene	0.39	U J	19.5	13.1	J	mg/Kg	☼	67	41 - 114	25	20
2-Chlorophenol	0.39	U J	19.5	12.7	J	mg/Kg	☼	65	34 - 121	23	20
4-Chlorophenyl phenyl ether	0.39	U J Q	19.5	13.4	J	mg/Kg	☼	69	45 - 121	22	20
Dibenzofuran	0.39	U J Q	19.5	13.3	J	mg/Kg	☼	68	44 - 120	26	20
3,3'-Dichlorobenzidine	0.39	U J	19.5	7.55	J	mg/Kg	☼	39	22 - 121	21	20
2,4-Dichlorophenol	0.39	U J	19.5	13.6	J	mg/Kg	☼	70	40 - 122	26	20
Diethyl phthalate	0.39	U J Q	19.5	14.5	J	mg/Kg	☼	74	50 - 124	25	20
2,4-Dimethylphenol	0.99	U J	19.5	13.2	J	mg/Kg	☼	68	30 - 127	26	20
Dimethyl phthalate	0.39	U J Q	19.5	14.1	J	mg/Kg	☼	72	48 - 124	27	20
Di-n-butyl phthalate	0.39	U J	19.5	15.3	J	mg/Kg	☼	79	51 - 128	28	20
2-Methyl-4,6-dinitrophenol	1.9	U J	39.0	19.8	J	mg/Kg	☼	51	29 - 132	33	20
2,4-Dinitrophenol	7.5	U J	39.0	7.76	J	mg/Kg	☼	20	10 - 130	31	20
2,4-Dinitrotoluene	0.99	U J Q	19.5	14.2	J	mg/Kg	☼	73	48 - 126	27	20
2,6-Dinitrotoluene	0.39	U J	19.5	13.9	J	mg/Kg	☼	71	46 - 124	27	20
Di-n-octyl phthalate	0.39	U J	19.5	15.3	J	mg/Kg	☼	79	45 - 140	23	20
1,4-Dioxane	1.9	U	19.5	5.46		mg/Kg	☼	28	14 - 130	19	20
Hexachlorobenzene	0.39	U J	19.5	14.1	J	mg/Kg	☼	72	45 - 122	26	20
Hexachlorobutadiene	0.39	U	19.5	12.7		mg/Kg	☼	65	32 - 123	20	20
Hexachlorocyclopentadiene	0.39	U J Q	19.5	7.91	J	mg/Kg	☼	41	28 - 130	36	20
Hexachloroethane	0.39	U	19.5	10.8		mg/Kg	☼	55	28 - 117	16	20
Isophorone	0.39	U J	19.5	12.4	J	mg/Kg	☼	64	30 - 122	23	20
2-Methylphenol	0.39	U	19.5	12.5		mg/Kg	☼	64	32 - 122	19	20
3 & 4 Methylphenol	0.39	U J	19.5	12.3	J	mg/Kg	☼	63	34 - 119	22	20
2-Nitroaniline	0.39	U J Q	19.5	13.3	J	mg/Kg	☼	68	44 - 127	25	20
3-Nitroaniline	0.99	U	19.5	9.61	J	mg/Kg	☼	49	33 - 119	0	20
4-Nitroaniline	0.99	U Q	19.5	12.3		mg/Kg	☼	63	41 - 130	20	20
Nitrobenzene	0.39	U J	19.5	12.4	J	mg/Kg	☼	63	34 - 122	26	20
2-Nitrophenol	0.39	U J	19.5	12.9	J	mg/Kg	☼	66	36 - 123	24	20
4-Nitrophenol	3.9	U J	39.0	26.8	J	mg/Kg	☼	69	30 - 132	28	20
N-Nitrosodi-n-propylamine	0.39	U	19.5	12.2		mg/Kg	☼	63	36 - 120	19	20
N-Nitrosodiphenylamine	0.48	U J	39.0	28.0	J	mg/Kg	☼	72	38 - 127	26	20
Pentachlorophenol	3.9	U J	39.0	20.8	J	mg/Kg	☼	53	25 - 133	22	20
Phenol	0.39	U	19.5	12.1		mg/Kg	☼	62	34 - 121	20	20
1,2,4,5-Tetrachlorobenzene	0.39	U J	19.5	13.1	J	mg/Kg	☼	67	37 - 119	23	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,4,6-Tetrachlorophenol	0.39	U J	19.5	13.6	J	mg/Kg	☼	70	44 - 125	26	20
2,4,5-Trichlorophenol	0.39	U J	19.5	13.9	J	mg/Kg	☼	72	41 - 124	26	20
2,4,6-Trichlorophenol	0.39	U J	19.5	14.1	J	mg/Kg	☼	73	39 - 126	27	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*63*		*58 - 130*
2-Fluorophenol (Surr)	*61*		*40 - 130*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*
Phenol-d5 (Surr)	*62*		*49 - 130*
Terphenyl-d14 (Surr)	*72*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*73*		*58 - 130*

Lab Sample ID: MB 680-407772/14-A
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407772

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.068	U	0.33	0.068	0.028	mg/Kg		10/30/15 13:15	1
Atrazine	0.068	U	0.33	0.068	0.023	mg/Kg		10/30/15 13:15	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		10/30/15 13:15	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		10/30/15 13:15	1
Bis(2-chloroethoxy)methane	0.068	U	0.33	0.068	0.039	mg/Kg		10/30/15 13:15	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		10/30/15 13:15	1
bis (2-chloroisopropyl) ether	0.068	U	0.33	0.068	0.030	mg/Kg		10/30/15 13:15	1
Bis(2-ethylhexyl) phthalate	0.0309	J	0.33	0.068	0.029	mg/Kg		10/30/15 13:15	1
4-Bromophenyl phenyl ether	0.068	U	0.33	0.068	0.036	mg/Kg		10/30/15 13:15	1
Butyl benzyl phthalate	0.068	U	0.33	0.068	0.026	mg/Kg		10/30/15 13:15	1
Caprolactam	0.17	U	0.33	0.17	0.067	mg/Kg		10/30/15 13:15	1
Carbazole	0.068	U	0.33	0.068	0.030	mg/Kg		10/30/15 13:15	1
4-Chloroaniline	0.17	U	0.67	0.17	0.052	mg/Kg		10/30/15 13:15	1
4-Chloro-3-methylphenol	0.068	U	0.33	0.068	0.035	mg/Kg		10/30/15 13:15	1
2-Chloronaphthalene	0.068	U	0.33	0.068	0.035	mg/Kg		10/30/15 13:15	1
2-Chlorophenol	0.068	U	0.33	0.068	0.040	mg/Kg		10/30/15 13:15	1
4-Chlorophenyl phenyl ether	0.068	U	0.33	0.068	0.044	mg/Kg		10/30/15 13:15	1
Dibenzofuran	0.068	U	0.33	0.068	0.033	mg/Kg		10/30/15 13:15	1
3,3'-Dichlorobenzidine	0.068	U	0.67	0.068	0.028	mg/Kg		10/30/15 13:15	1
2,4-Dichlorophenol	0.068	U	0.33	0.068	0.035	mg/Kg		10/30/15 13:15	1
Diethyl phthalate	0.068	U	0.33	0.068	0.037	mg/Kg		10/30/15 13:15	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		10/30/15 13:15	1
Dimethyl phthalate	0.068	U	0.33	0.068	0.034	mg/Kg		10/30/15 13:15	1
Di-n-butyl phthalate	0.068	U	0.33	0.068	0.030	mg/Kg		10/30/15 13:15	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		10/30/15 13:15	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.84	mg/Kg		10/30/15 13:15	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		10/30/15 13:15	1
2,6-Dinitrotoluene	0.068	U	0.33	0.068	0.042	mg/Kg		10/30/15 13:15	1
Di-n-octyl phthalate	0.068	U	0.33	0.068	0.029	mg/Kg		10/30/15 13:15	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		10/30/15 13:15	1
Hexachlorobenzene	0.068	U	0.33	0.068	0.039	mg/Kg		10/30/15 13:15	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-407772/14-A
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407772

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	0.068	U	0.33	0.068	0.036	mg/Kg		10/30/15 13:15	1
Hexachlorocyclopentadiene	0.068	U	0.33	0.068	0.041	mg/Kg		10/30/15 13:15	1
Hexachloroethane	0.068	U	0.33	0.068	0.028	mg/Kg		10/30/15 13:15	1
Isophorone	0.068	U	0.33	0.068	0.033	mg/Kg		10/30/15 13:15	1
2-Methylphenol	0.068	U	0.33	0.068	0.027	mg/Kg		10/30/15 13:15	1
3 & 4 Methylphenol	0.068	U	0.33	0.068	0.043	mg/Kg		10/30/15 13:15	1
2-Nitroaniline	0.068	U	1.7	0.068	0.045	mg/Kg		10/30/15 13:15	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		10/30/15 13:15	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		10/30/15 13:15	1
Nitrobenzene	0.068	U	0.33	0.068	0.026	mg/Kg		10/30/15 13:15	1
2-Nitrophenol	0.068	U	0.33	0.068	0.041	mg/Kg		10/30/15 13:15	1
4-Nitrophenol	0.68	U	1.7	0.68	0.33	mg/Kg		10/30/15 13:15	1
N-Nitrosodi-n-propylamine	0.068	U	0.33	0.068	0.032	mg/Kg		10/30/15 13:15	1
N-Nitrosodiphenylamine	0.084	U	0.33	0.084	0.033	mg/Kg		10/30/15 13:15	1
Pentachlorophenol	0.68	U	1.7	0.68	0.33	mg/Kg		10/30/15 13:15	1
Phenol	0.068	U	0.33	0.068	0.034	mg/Kg		10/30/15 13:15	1
1,2,4,5-Tetrachlorobenzene	0.068	U	0.33	0.068	0.031	mg/Kg		10/30/15 13:15	1
2,3,4,6-Tetrachlorophenol	0.068	U	0.33	0.068	0.022	mg/Kg		10/30/15 13:15	1
2,4,5-Trichlorophenol	0.068	U	0.33	0.068	0.035	mg/Kg		10/30/15 13:15	1
2,4,6-Trichlorophenol	0.068	U	0.33	0.068	0.029	mg/Kg		10/30/15 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*58 - 130*	*10/28/15 15:25*	*10/30/15 13:15*	*1*
2-Fluorophenol (Surr)	*65*		*40 - 130*	*10/28/15 15:25*	*10/30/15 13:15*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 130*	*10/28/15 15:25*	*10/30/15 13:15*	*1*
Phenol-d5 (Surr)	*71*		*49 - 130*	*10/28/15 15:25*	*10/30/15 13:15*	*1*
Terphenyl-d14 (Surr)	*79*		*60 - 130*	*10/28/15 15:25*	*10/30/15 13:15*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*58 - 130*	*10/28/15 15:25*	*10/30/15 13:15*	*1*

Lab Sample ID: LCS 680-407772/15-A
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.33	2.01		mg/Kg		60	33 - 115
Atrazine	3.33	2.24		mg/Kg		67	47 - 127
Benzaldehyde	3.33	0.408		mg/Kg		12	10 - 130
1,1'-Biphenyl	3.33	2.14		mg/Kg		64	40 - 117
Bis(2-chloroethoxy)methane	3.33	2.10		mg/Kg		63	36 - 121
Bis(2-chloroethyl)ether	3.33	1.95		mg/Kg		59	31 - 120
bis (2-chloroisopropyl) ether	3.33	1.97		mg/Kg		59	33 - 131
Bis(2-ethylhexyl) phthalate	3.33	2.43		mg/Kg		73	51 - 133
4-Bromophenyl phenyl ether	3.33	2.33		mg/Kg		70	46 - 124
Butyl benzyl phthalate	3.33	2.48		mg/Kg		75	48 - 132
Caprolactam	3.33	2.25		mg/Kg		67	46 - 117
Carbazole	3.33	2.33		mg/Kg		70	50 - 123
4-Chloroaniline	3.33	0.813		mg/Kg		24	17 - 106
4-Chloro-3-methylphenol	3.33	2.32		mg/Kg		70	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-407772/15-A
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	3.33	2.05		mg/Kg		62	41 - 114
2-Chlorophenol	3.33	2.15		mg/Kg		64	34 - 121
4-Chlorophenyl phenyl ether	3.33	2.15		mg/Kg		65	45 - 121
Dibenzofuran	3.33	2.13		mg/Kg		64	44 - 120
3,3'-Dichlorobenzidine	3.33	1.09		mg/Kg		33	22 - 121
2,4-Dichlorophenol	3.33	2.23		mg/Kg		67	40 - 122
Diethyl phthalate	3.33	2.31		mg/Kg		69	50 - 124
2,4-Dimethylphenol	3.33	2.13		mg/Kg		64	30 - 127
Dimethyl phthalate	3.33	2.28		mg/Kg		68	48 - 124
Di-n-butyl phthalate	3.33	2.41		mg/Kg		72	51 - 128
2-Methyl-4,6-dinitrophenol	6.66	2.16		mg/Kg		32	29 - 132
2,4-Dinitrophenol	6.66	1.3	U	mg/Kg		11	10 - 130
2,4-Dinitrotoluene	3.33	2.31		mg/Kg		69	48 - 126
2,6-Dinitrotoluene	3.33	2.21		mg/Kg		66	46 - 124
Di-n-octyl phthalate	3.33	2.47		mg/Kg		74	45 - 140
1,4-Dioxane	3.33	0.966		mg/Kg		29	14 - 130
Hexachlorobenzene	3.33	2.34		mg/Kg		70	45 - 122
Hexachlorobutadiene	3.33	2.15		mg/Kg		64	32 - 123
Hexachlorocyclopentadiene	3.33	1.55		mg/Kg		47	28 - 130
Hexachloroethane	3.33	1.93		mg/Kg		58	28 - 117
Isophorone	3.33	2.06		mg/Kg		62	30 - 122
2-Methylphenol	3.33	2.07		mg/Kg		62	32 - 122
3 & 4 Methylphenol	3.33	2.10		mg/Kg		63	34 - 119
2-Nitroaniline	3.33	2.11		mg/Kg		63	44 - 127
3-Nitroaniline	3.33	1.17	J	mg/Kg		35	33 - 119
4-Nitroaniline	3.33	1.71		mg/Kg		51	41 - 130
Nitrobenzene	3.33	2.09		mg/Kg		63	34 - 122
2-Nitrophenol	3.33	2.17		mg/Kg		65	36 - 123
4-Nitrophenol	6.66	4.55		mg/Kg		68	30 - 132
N-Nitrosodi-n-propylamine	3.33	2.07		mg/Kg		62	36 - 120
N-Nitrosodiphenylamine	6.66	4.55		mg/Kg		68	38 - 127
Pentachlorophenol	6.66	4.20		mg/Kg		63	25 - 133
Phenol	3.33	1.96		mg/Kg		59	34 - 121
1,2,4,5-Tetrachlorobenzene	3.33	2.18		mg/Kg		65	37 - 119
2,3,4,6-Tetrachlorophenol	3.33	2.30		mg/Kg		69	44 - 125
2,4,5-Trichlorophenol	3.33	2.21		mg/Kg		66	41 - 124
2,4,6-Trichlorophenol	3.33	2.23		mg/Kg		67	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*59*		*58 - 130*
2-Fluorophenol (Surr)	*58*		*40 - 130*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*
Phenol-d5 (Surr)	*58*		*49 - 130*
Terphenyl-d14 (Surr)	*68*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*67*		*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-408781/20-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408781

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 17:41	1
Atrazine	0.067	U	0.33	0.067	0.023	mg/Kg		11/04/15 17:41	1
Benzaldehyde	0.17	U	0.33	0.17	0.058	mg/Kg		11/04/15 17:41	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/04/15 17:41	1
Bis(2-chloroethoxy)methane	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 17:41	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		11/04/15 17:41	1
bis (2-chloroisopropyl) ether	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 17:41	1
Bis(2-ethylhexyl) phthalate	0.0406	J	0.33	0.067	0.029	mg/Kg		11/04/15 17:41	1
4-Bromophenyl phenyl ether	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 17:41	1
Butyl benzyl phthalate	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 17:41	1
Caprolactam	0.17	U	0.33	0.17	0.066	mg/Kg		11/04/15 17:41	1
Carbazole	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 17:41	1
4-Chloroaniline	0.17	U	0.66	0.17	0.052	mg/Kg		11/04/15 17:41	1
4-Chloro-3-methylphenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1
2-Chloronaphthalene	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1
2-Chlorophenol	0.067	U	0.33	0.067	0.040	mg/Kg		11/04/15 17:41	1
4-Chlorophenyl phenyl ether	0.067	U	0.33	0.067	0.044	mg/Kg		11/04/15 17:41	1
Dibenzofuran	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 17:41	1
3,3'-Dichlorobenzidine	0.067	U	0.66	0.067	0.028	mg/Kg		11/04/15 17:41	1
2,4-Dichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1
Diethyl phthalate	0.067	U	0.33	0.067	0.037	mg/Kg		11/04/15 17:41	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		11/04/15 17:41	1
Dimethyl phthalate	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 17:41	1
Di-n-butyl phthalate	0.067	U	0.33	0.067	0.030	mg/Kg		11/04/15 17:41	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/04/15 17:41	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.83	mg/Kg		11/04/15 17:41	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.049	mg/Kg		11/04/15 17:41	1
2,6-Dinitrotoluene	0.067	U	0.33	0.067	0.042	mg/Kg		11/04/15 17:41	1
Di-n-octyl phthalate	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 17:41	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/04/15 17:41	1
Hexachlorobenzene	0.067	U	0.33	0.067	0.039	mg/Kg		11/04/15 17:41	1
Hexachlorobutadiene	0.067	U	0.33	0.067	0.036	mg/Kg		11/04/15 17:41	1
Hexachlorocyclopentadiene	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 17:41	1
Hexachloroethane	0.067	U	0.33	0.067	0.028	mg/Kg		11/04/15 17:41	1
Isophorone	0.067	U	0.33	0.067	0.033	mg/Kg		11/04/15 17:41	1
2-Methylphenol	0.067	U	0.33	0.067	0.027	mg/Kg		11/04/15 17:41	1
3 & 4 Methylphenol	0.067	U	0.33	0.067	0.043	mg/Kg		11/04/15 17:41	1
2-Nitroaniline	0.067	U	1.7	0.067	0.045	mg/Kg		11/04/15 17:41	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		11/04/15 17:41	1
4-Nitroaniline	0.17	U	1.7	0.17	0.049	mg/Kg		11/04/15 17:41	1
Nitrobenzene	0.067	U	0.33	0.067	0.026	mg/Kg		11/04/15 17:41	1
2-Nitrophenol	0.067	U	0.33	0.067	0.041	mg/Kg		11/04/15 17:41	1
4-Nitrophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 17:41	1
N-Nitrosodi-n-propylamine	0.067	U	0.33	0.067	0.032	mg/Kg		11/04/15 17:41	1
N-Nitrosodiphenylamine	0.083	U	0.33	0.083	0.033	mg/Kg		11/04/15 17:41	1
Pentachlorophenol	0.67	U	1.7	0.67	0.33	mg/Kg		11/04/15 17:41	1
Phenol	0.067	U	0.33	0.067	0.034	mg/Kg		11/04/15 17:41	1
1,2,4,5-Tetrachlorobenzene	0.067	U	0.33	0.067	0.031	mg/Kg		11/04/15 17:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-408781/20-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408781

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.067	U	0.33	0.067	0.022	mg/Kg		11/04/15 17:41	1
2,4,5-Trichlorophenol	0.067	U	0.33	0.067	0.035	mg/Kg		11/04/15 17:41	1
2,4,6-Trichlorophenol	0.067	U	0.33	0.067	0.029	mg/Kg		11/04/15 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*58 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
2-Fluorophenol (Surr)	*59*		*40 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
Phenol-d5 (Surr)	*67*		*49 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
Terphenyl-d14 (Surr)	*70*		*60 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*58 - 130*	*11/03/15 16:47*	*11/04/15 17:41*	*1*

Lab Sample ID: LCS 680-408781/21-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.38	2.17		mg/Kg		64	33 - 115
Atrazine	3.38	2.35		mg/Kg		69	47 - 127
Benzaldehyde	3.38	0.434		mg/Kg		13	10 - 130
1,1'-Biphenyl	3.38	2.54		mg/Kg		75	40 - 117
Bis(2-chloroethoxy)methane	3.38	2.25		mg/Kg		67	36 - 121
Bis(2-chloroethyl)ether	3.38	2.12		mg/Kg		63	31 - 120
bis (2-chloroisopropyl) ether	3.38	2.28		mg/Kg		67	33 - 131
Bis(2-ethylhexyl) phthalate	3.38	2.44		mg/Kg		72	51 - 133
4-Bromophenyl phenyl ether	3.38	2.15		mg/Kg		64	46 - 124
Butyl benzyl phthalate	3.38	2.43		mg/Kg		72	48 - 132
Caprolactam	3.38	2.33		mg/Kg		69	46 - 117
Carbazole	3.38	2.45		mg/Kg		73	50 - 123
4-Chloroaniline	3.38	0.990		mg/Kg		29	17 - 106
4-Chloro-3-methylphenol	3.38	2.42		mg/Kg		72	45 - 122
2-Chloronaphthalene	3.38	2.48		mg/Kg		73	41 - 114
2-Chlorophenol	3.38	2.23		mg/Kg		66	34 - 121
4-Chlorophenyl phenyl ether	3.38	2.35		mg/Kg		70	45 - 121
Dibenzofuran	3.38	2.32		mg/Kg		69	44 - 120
3,3'-Dichlorobenzidine	3.38	1.27		mg/Kg		38	22 - 121
2,4-Dichlorophenol	3.38	2.45		mg/Kg		72	40 - 122
Diethyl phthalate	3.38	2.55		mg/Kg		75	50 - 124
2,4-Dimethylphenol	3.38	2.33		mg/Kg		69	30 - 127
Dimethyl phthalate	3.38	2.44		mg/Kg		72	48 - 124
Di-n-butyl phthalate	3.38	2.51		mg/Kg		74	51 - 128
2-Methyl-4,6-dinitrophenol	6.77	3.28		mg/Kg		48	29 - 132
2,4-Dinitrophenol	6.77	2.43		mg/Kg		36	10 - 130
2,4-Dinitrotoluene	3.38	2.48		mg/Kg		73	48 - 126
2,6-Dinitrotoluene	3.38	2.48		mg/Kg		73	46 - 124
Di-n-octyl phthalate	3.38	2.52		mg/Kg		74	45 - 140
1,4-Dioxane	3.38	0.864		mg/Kg		26	14 - 130
Hexachlorobenzene	3.38	2.24		mg/Kg		66	45 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-408781/21-A
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3.38	2.25		mg/Kg		67	32 - 123
Hexachlorocyclopentadiene	3.38	1.38		mg/Kg		41	28 - 130
Hexachloroethane	3.38	1.91		mg/Kg		56	28 - 117
Isophorone	3.38	2.23		mg/Kg		66	30 - 122
2-Methylphenol	3.38	2.14		mg/Kg		63	32 - 122
3 & 4 Methylphenol	3.38	2.24		mg/Kg		66	34 - 119
2-Nitroaniline	3.38	2.80		mg/Kg		83	44 - 127
3-Nitroaniline	3.38	1.45	J	mg/Kg		43	33 - 119
4-Nitroaniline	3.38	1.91		mg/Kg		57	41 - 130
Nitrobenzene	3.38	2.25		mg/Kg		67	34 - 122
2-Nitrophenol	3.38	2.25		mg/Kg		66	36 - 123
4-Nitrophenol	6.77	4.97		mg/Kg		73	30 - 132
N-Nitrosodi-n-propylamine	3.38	2.20		mg/Kg		65	36 - 120
N-Nitrosodiphenylamine	6.77	4.28		mg/Kg		63	38 - 127
Pentachlorophenol	6.77	4.76		mg/Kg		70	25 - 133
Phenol	3.38	2.09		mg/Kg		62	34 - 121
1,2,4,5-Tetrachlorobenzene	3.38	2.64		mg/Kg		78	37 - 119
2,3,4,6-Tetrachlorophenol	3.38	2.53		mg/Kg		75	44 - 125
2,4,5-Trichlorophenol	3.38	2.70		mg/Kg		80	41 - 124
2,4,6-Trichlorophenol	3.38	2.70		mg/Kg		80	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*58 - 130*
2-Fluorophenol (Surr)	*52*		*40 - 130*
Nitrobenzene-d5 (Surr)	*67*		*46 - 130*
Phenol-d5 (Surr)	*62*		*49 - 130*
Terphenyl-d14 (Surr)	*66*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*75*		*58 - 130*

Lab Sample ID: MB 680-409552/12-A
Matrix: Solid
Analysis Batch: 409802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409552

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetophenone	0.066	U	0.33	0.066	0.028	mg/Kg		11/10/15 18:54	1
Atrazine	0.066	U	0.33	0.066	0.023	mg/Kg		11/10/15 18:54	1
Benzaldehyde	0.17	U	0.33	0.17	0.057	mg/Kg		11/10/15 18:54	1
1,1'-Biphenyl	1.7	U	1.7	1.7	1.7	mg/Kg		11/10/15 18:54	1
Bis(2-chloroethoxy)methane	0.066	U	0.33	0.066	0.039	mg/Kg		11/10/15 18:54	1
Bis(2-chloroethyl)ether	0.17	U	0.33	0.17	0.045	mg/Kg		11/10/15 18:54	1
bis (2-chloroisopropyl) ether	0.066	U	0.33	0.066	0.030	mg/Kg		11/10/15 18:54	1
Bis(2-ethylhexyl) phthalate	0.066	U	0.33	0.066	0.029	mg/Kg		11/10/15 18:54	1
4-Bromophenyl phenyl ether	0.066	U	0.33	0.066	0.036	mg/Kg		11/10/15 18:54	1
Butyl benzyl phthalate	0.066	U	0.33	0.066	0.026	mg/Kg		11/10/15 18:54	1
Caprolactam	0.17	U	0.33	0.17	0.065	mg/Kg		11/10/15 18:54	1
Carbazole	0.066	U	0.33	0.066	0.030	mg/Kg		11/10/15 18:54	1
4-Chloroaniline	0.17	U	0.65	0.17	0.051	mg/Kg		11/10/15 18:54	1
4-Chloro-3-methylphenol	0.066	U	0.33	0.066	0.035	mg/Kg		11/10/15 18:54	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-409552/12-A
Matrix: Solid
Analysis Batch: 409802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409552

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chloronaphthalene	0.066	U	0.33	0.066	0.035	mg/Kg		11/10/15 18:54	1
2-Chlorophenol	0.066	U	0.33	0.066	0.040	mg/Kg		11/10/15 18:54	1
4-Chlorophenyl phenyl ether	0.066	U	0.33	0.066	0.044	mg/Kg		11/10/15 18:54	1
Dibenzofuran	0.066	U	0.33	0.066	0.033	mg/Kg		11/10/15 18:54	1
3,3'-Dichlorobenzidine	0.066	U	0.65	0.066	0.028	mg/Kg		11/10/15 18:54	1
2,4-Dichlorophenol	0.066	U	0.33	0.066	0.035	mg/Kg		11/10/15 18:54	1
Diethyl phthalate	0.066	U	0.33	0.066	0.037	mg/Kg		11/10/15 18:54	1
2,4-Dimethylphenol	0.17	U	0.33	0.17	0.044	mg/Kg		11/10/15 18:54	1
Dimethyl phthalate	0.066	U	0.33	0.066	0.034	mg/Kg		11/10/15 18:54	1
Di-n-butyl phthalate	0.066	U	0.33	0.066	0.030	mg/Kg		11/10/15 18:54	1
2-Methyl-4,6-dinitrophenol	0.33	U	1.7	0.33	0.17	mg/Kg		11/10/15 18:54	1
2,4-Dinitrophenol	1.3	U	1.7	1.3	0.82	mg/Kg		11/10/15 18:54	1
2,4-Dinitrotoluene	0.17	U	0.33	0.17	0.048	mg/Kg		11/10/15 18:54	1
2,6-Dinitrotoluene	0.066	U	0.33	0.066	0.042	mg/Kg		11/10/15 18:54	1
Di-n-octyl phthalate	0.066	U	0.33	0.066	0.029	mg/Kg		11/10/15 18:54	1
1,4-Dioxane	0.33	U	0.33	0.33	0.12	mg/Kg		11/10/15 18:54	1
Hexachlorobenzene	0.066	U	0.33	0.066	0.039	mg/Kg		11/10/15 18:54	1
Hexachlorobutadiene	0.066	U	0.33	0.066	0.036	mg/Kg		11/10/15 18:54	1
Hexachlorocyclopentadiene	0.066	U	0.33	0.066	0.041	mg/Kg		11/10/15 18:54	1
Hexachloroethane	0.066	U	0.33	0.066	0.028	mg/Kg		11/10/15 18:54	1
Isophorone	0.066	U	0.33	0.066	0.033	mg/Kg		11/10/15 18:54	1
2-Methylphenol	0.066	U	0.33	0.066	0.027	mg/Kg		11/10/15 18:54	1
3 & 4 Methylphenol	0.066	U	0.33	0.066	0.043	mg/Kg		11/10/15 18:54	1
2-Nitroaniline	0.066	U	1.7	0.066	0.045	mg/Kg		11/10/15 18:54	1
3-Nitroaniline	0.17	U	1.7	0.17	0.046	mg/Kg		11/10/15 18:54	1
4-Nitroaniline	0.17	U	1.7	0.17	0.048	mg/Kg		11/10/15 18:54	1
Nitrobenzene	0.066	U	0.33	0.066	0.026	mg/Kg		11/10/15 18:54	1
2-Nitrophenol	0.066	U	0.33	0.066	0.041	mg/Kg		11/10/15 18:54	1
4-Nitrophenol	0.66	U	1.7	0.66	0.33	mg/Kg		11/10/15 18:54	1
N-Nitrosodi-n-propylamine	0.066	U	0.33	0.066	0.032	mg/Kg		11/10/15 18:54	1
N-Nitrosodiphenylamine	0.082	U	0.33	0.082	0.033	mg/Kg		11/10/15 18:54	1
Pentachlorophenol	0.66	U	1.7	0.66	0.33	mg/Kg		11/10/15 18:54	1
Phenol	0.066	U	0.33	0.066	0.034	mg/Kg		11/10/15 18:54	1
1,2,4,5-Tetrachlorobenzene	0.066	U	0.33	0.066	0.031	mg/Kg		11/10/15 18:54	1
2,3,4,6-Tetrachlorophenol	0.066	U	0.33	0.066	0.022	mg/Kg		11/10/15 18:54	1
2,4,5-Trichlorophenol	0.066	U	0.33	0.066	0.035	mg/Kg		11/10/15 18:54	1
2,4,6-Trichlorophenol	0.066	U	0.33	0.066	0.029	mg/Kg		11/10/15 18:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*58 - 130*	*11/09/15 15:06*	*11/10/15 18:54*	*1*
2-Fluorophenol (Surr)	*54*		*40 - 130*	*11/09/15 15:06*	*11/10/15 18:54*	*1*
Nitrobenzene-d5 (Surr)	*53*		*46 - 130*	*11/09/15 15:06*	*11/10/15 18:54*	*1*
Phenol-d5 (Surr)	*56*		*49 - 130*	*11/09/15 15:06*	*11/10/15 18:54*	*1*
Terphenyl-d14 (Surr)	*76*		*60 - 130*	*11/09/15 15:06*	*11/10/15 18:54*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*58 - 130*	*11/09/15 15:06*	*11/10/15 18:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-409552/13-A
Matrix: Solid
Analysis Batch: 409802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	3.30	2.22		mg/Kg		67	33 - 115
Atrazine	3.30	2.42		mg/Kg		73	47 - 127
Benzaldehyde	3.30	0.390		mg/Kg		12	10 - 130
1,1'-Biphenyl	3.30	2.32		mg/Kg		70	40 - 117
Bis(2-chloroethoxy)methane	3.30	2.30		mg/Kg		70	36 - 121
Bis(2-chloroethyl)ether	3.30	2.22		mg/Kg		67	31 - 120
bis (2-chloroisopropyl) ether	3.30	2.25		mg/Kg		68	33 - 131
Bis(2-ethylhexyl) phthalate	3.30	2.49		mg/Kg		75	51 - 133
4-Bromophenyl phenyl ether	3.30	2.58		mg/Kg		78	46 - 124
Butyl benzyl phthalate	3.30	2.51		mg/Kg		76	48 - 132
Caprolactam	3.30	2.33		mg/Kg		71	46 - 117
Carbazole	3.30	2.51		mg/Kg		76	50 - 123
4-Chloroaniline	3.30	1.98		mg/Kg		60	17 - 106
4-Chloro-3-methylphenol	3.30	2.44		mg/Kg		74	45 - 122
2-Chloronaphthalene	3.30	2.33		mg/Kg		71	41 - 114
2-Chlorophenol	3.30	2.32		mg/Kg		70	34 - 121
4-Chlorophenyl phenyl ether	3.30	2.54		mg/Kg		77	45 - 121
Dibenzofuran	3.30	2.38		mg/Kg		72	44 - 120
3,3'-Dichlorobenzidine	3.30	2.01		mg/Kg		61	22 - 121
2,4-Dichlorophenol	3.30	2.47		mg/Kg		75	40 - 122
Diethyl phthalate	3.30	2.51		mg/Kg		76	50 - 124
2,4-Dimethylphenol	3.30	2.49		mg/Kg		76	30 - 127
Dimethyl phthalate	3.30	2.51		mg/Kg		76	48 - 124
Di-n-butyl phthalate	3.30	2.55		mg/Kg		77	51 - 128
2-Methyl-4,6-dinitrophenol	6.59	2.00		mg/Kg		30	29 - 132
2,4-Dinitrophenol	6.59	1.19	J	mg/Kg		18	10 - 130
2,4-Dinitrotoluene	3.30	2.72		mg/Kg		82	48 - 126
2,6-Dinitrotoluene	3.30	2.68		mg/Kg		81	46 - 124
Di-n-octyl phthalate	3.30	2.49		mg/Kg		76	45 - 140
1,4-Dioxane	3.30	1.20		mg/Kg		36	14 - 130
Hexachlorobenzene	3.30	2.59		mg/Kg		79	45 - 122
Hexachlorobutadiene	3.30	2.37		mg/Kg		72	32 - 123
Hexachlorocyclopentadiene	3.30	2.28		mg/Kg		69	28 - 130
Hexachloroethane	3.30	2.04		mg/Kg		62	28 - 117
Isophorone	3.30	2.23		mg/Kg		68	30 - 122
2-Methylphenol	3.30	2.30		mg/Kg		70	32 - 122
3 & 4 Methylphenol	3.30	2.34		mg/Kg		71	34 - 119
2-Nitroaniline	3.30	2.40		mg/Kg		73	44 - 127
3-Nitroaniline	3.30	2.31		mg/Kg		70	33 - 119
4-Nitroaniline	3.30	2.35		mg/Kg		71	41 - 130
Nitrobenzene	3.30	2.14		mg/Kg		65	34 - 122
2-Nitrophenol	3.30	2.49		mg/Kg		76	36 - 123
4-Nitrophenol	6.59	4.84		mg/Kg		73	30 - 132
N-Nitrosodi-n-propylamine	3.30	2.09		mg/Kg		63	36 - 120
N-Nitrosodiphenylamine	6.59	5.04		mg/Kg		76	38 - 127
Pentachlorophenol	6.59	5.60		mg/Kg		85	25 - 133
Phenol	3.30	2.26		mg/Kg		69	34 - 121
1,2,4,5-Tetrachlorobenzene	3.30	2.34		mg/Kg		71	37 - 119

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-409552/13-A
Matrix: Solid
Analysis Batch: 409802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,4,6-Tetrachlorophenol	3.30	2.62		mg/Kg		79	44 - 125
2,4,5-Trichlorophenol	3.30	2.42		mg/Kg		74	41 - 124
2,4,6-Trichlorophenol	3.30	2.49		mg/Kg		76	39 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*58 - 130*
2-Fluorophenol (Surr)	*67*		*40 - 130*
Nitrobenzene-d5 (Surr)	*65*		*46 - 130*
Phenol-d5 (Surr)	*68*		*49 - 130*
Terphenyl-d14 (Surr)	*78*		*60 - 130*
2,4,6-Tribromophenol (Surr)	*79*		*58 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone - RE	0.39	U H	20.3	13.8	H	mg/Kg	☼	68	33 - 115
Atrazine - RE	0.39	U H	20.3	14.3	H	mg/Kg	☼	70	47 - 127
Benzaldehyde - RE	0.99	U H	20.3	11.4	H	mg/Kg	☼	56	10 - 130
1,1'-Biphenyl - RE	9.9	U H	20.3	14.8	H	mg/Kg	☼	73	40 - 117
Bis(2-chloroethoxy)methane - RE	0.39	U H	20.3	14.9	H	mg/Kg	☼	73	36 - 121
Bis(2-chloroethyl)ether - RE	0.99	U H	20.3	12.6	H	mg/Kg	☼	62	31 - 120
bis (2-chloroisopropyl) ether - RE	0.39	U H	20.3	14.0	H	mg/Kg	☼	69	33 - 131
Bis(2-ethylhexyl) phthalate - RE	0.26	J H	20.3	16.6	H	mg/Kg	☼	80	51 - 133
4-Bromophenyl phenyl ether - RE	0.39	U H	20.3	15.7	H	mg/Kg	☼	77	46 - 124
Butyl benzyl phthalate - RE	0.39	U H	20.3	17.0	H	mg/Kg	☼	84	48 - 132
Caprolactam - RE	0.99	U H	20.3	13.7	H	mg/Kg	☼	68	46 - 117
Carbazole - RE	0.39	U H	20.3	15.8	H	mg/Kg	☼	78	50 - 123
4-Chloroaniline - RE	0.99	U H	20.3	6.33	H	mg/Kg	☼	31	17 - 106
4-Chloro-3-methylphenol - RE	0.39	U H	20.3	16.0	H	mg/Kg	☼	78	45 - 122
2-Chloronaphthalene - RE	0.39	U H	20.3	15.0	H	mg/Kg	☼	74	41 - 114
2-Chlorophenol - RE	0.39	U H	20.3	13.8	H	mg/Kg	☼	68	34 - 121
4-Chlorophenyl phenyl ether - RE	0.39	U H	20.3	13.8	H	mg/Kg	☼	68	45 - 121
Dibenzofuran - RE	0.39	U H	20.3	15.3	H	mg/Kg	☼	75	44 - 120
3,3'-Dichlorobenzidine - RE	0.39	U H	20.3	9.93	H	mg/Kg	☼	49	22 - 121
2,4-Dichlorophenol - RE	0.39	U H	20.3	14.6	H	mg/Kg	☼	72	40 - 122
Diethyl phthalate - RE	0.39	U H	20.3	15.8	H	mg/Kg	☼	78	50 - 124
2,4-Dimethylphenol - RE	0.99	U H	20.3	14.8	H	mg/Kg	☼	73	30 - 127
Dimethyl phthalate - RE	0.39	U H	20.3	15.6	H	mg/Kg	☼	77	48 - 124
Di-n-butyl phthalate - RE	0.39	U H	20.3	16.9	H	mg/Kg	☼	83	51 - 128
2-Methyl-4,6-dinitrophenol - RE	1.9	U H	40.7	15.9	H	mg/Kg	☼	39	29 - 132
2,4-Dinitrophenol - RE	7.6	U H	40.7	5.72	J H	mg/Kg	☼	14	10 - 130
2,4-Dinitrotoluene - RE	0.99	U H	20.3	15.6	H	mg/Kg	☼	77	48 - 126
2,6-Dinitrotoluene - RE	0.39	U H	20.3	15.2	H	mg/Kg	☼	75	46 - 124
Di-n-octyl phthalate - RE	0.39	U H	20.3	16.6	H	mg/Kg	☼	82	45 - 140

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane - RE	1.9	U H	20.3	5.26	H	mg/Kg	☼	26	14 - 130
Hexachlorobenzene - RE	0.39	U H	20.3	15.6	H	mg/Kg	☼	77	45 - 122
Hexachlorobutadiene - RE	0.39	U H	20.3	14.5	H	mg/Kg	☼	71	32 - 123
Hexachlorocyclopentadiene - RE	0.39	U H	20.3	7.68	H	mg/Kg	☼	38	28 - 130
Hexachloroethane - RE	0.39	U H	20.3	12.7	H	mg/Kg	☼	63	28 - 117
Isophorone - RE	0.39	U H	20.3	14.4	H	mg/Kg	☼	71	30 - 122
2-Methylphenol - RE	0.39	U H	20.3	13.5	H	mg/Kg	☼	67	32 - 122
3 & 4 Methylphenol - RE	0.39	U H	20.3	13.9	H	mg/Kg	☼	68	34 - 119
2-Nitroaniline - RE	0.39	U H	20.3	15.2	H	mg/Kg	☼	75	44 - 127
3-Nitroaniline - RE	0.99	U H	20.3	10.7	H	mg/Kg	☼	52	33 - 119
4-Nitroaniline - RE	0.99	U H	20.3	12.3	H	mg/Kg	☼	60	41 - 130
Nitrobenzene - RE	0.39	U H	20.3	14.0	H	mg/Kg	☼	69	34 - 122
2-Nitrophenol - RE	0.39	U H	20.3	15.2	H	mg/Kg	☼	75	36 - 123
4-Nitrophenol - RE	3.9	U H	40.7	30.5	H	mg/Kg	☼	75	30 - 132
N-Nitrosodi-n-propylamine - RE	0.39	U H	20.3	14.1	H	mg/Kg	☼	70	36 - 120
N-Nitrosodiphenylamine - RE	0.48	U H	40.7	29.5	H	mg/Kg	☼	72	38 - 127
Pentachlorophenol - RE	3.9	U H	40.7	22.9	H	mg/Kg	☼	56	25 - 133
Phenol - RE	0.39	U H	20.3	12.9	H	mg/Kg	☼	64	34 - 121
1,2,4,5-Tetrachlorobenzene - RE	0.39	U H	20.3	14.3	H	mg/Kg	☼	70	37 - 119
2,3,4,6-Tetrachlorophenol - RE	0.39	U H	20.3	14.4	H	mg/Kg	☼	71	44 - 125
2,4,5-Trichlorophenol - RE	0.39	U H	20.3	15.0	H	mg/Kg	☼	74	41 - 124
2,4,6-Trichlorophenol - RE	0.39	U H	20.3	15.6	H	mg/Kg	☼	77	39 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr) - RE	*69*		*58 - 130*
2-Fluorophenol (Surr) - RE	*60*		*40 - 130*
Nitrobenzene-d5 (Surr) - RE	*68*		*46 - 130*
Phenol-d5 (Surr) - RE	*65*		*49 - 130*
Terphenyl-d14 (Surr) - RE	*78*		*60 - 130*
2,4,6-Tribromophenol (Surr) - RE	*72*		*58 - 130*

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone - RE	0.39	U H	18.5	12.2	H	mg/Kg	☼	66	33 - 115	12	20
Atrazine - RE	0.39	U H	18.5	13.6	H	mg/Kg	☼	74	47 - 127	5	20
Benzaldehyde - RE	0.99	U H	18.5	11.4	H	mg/Kg	☼	62	10 - 130	0	20
1,1'-Biphenyl - RE	9.9	U H	18.5	13.2	H	mg/Kg	☼	72	40 - 117	11	20
Bis(2-chloroethoxy)methane - RE	0.39	U H	18.5	12.5	H	mg/Kg	☼	68	36 - 121	17	20
Bis(2-chloroethyl)ether - RE	0.99	U H	18.5	13.1	H	mg/Kg	☼	71	31 - 120	4	20
bis (2-chloroisopropyl) ether - RE	0.39	U H	18.5	12.2	H	mg/Kg	☼	66	33 - 131	13	20
Bis(2-ethylhexyl) phthalate - RE	0.26	J H	18.5	16.5	H	mg/Kg	☼	88	51 - 133	1	20
4-Bromophenyl phenyl ether - RE	0.39	U H	18.5	14.5	H	mg/Kg	☼	79	46 - 124	8	20
Butyl benzyl phthalate - RE	0.39	U H	18.5	16.2	H	mg/Kg	☼	87	48 - 132	5	20
Caprolactam - RE	0.99	U H	18.5	11.7	H	mg/Kg	☼	63	46 - 117	16	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbazole - RE	0.39	U H	18.5	15.0	H	mg/Kg	☼	81	50 - 123	5	20
4-Chloroaniline - RE	0.99	U H	18.5	6.52	H	mg/Kg	☼	35	17 - 106	3	20
4-Chloro-3-methylphenol - RE	0.39	U H	18.5	14.2	H	mg/Kg	☼	77	45 - 122	12	20
2-Chloronaphthalene - RE	0.39	U H	18.5	13.3	H	mg/Kg	☼	72	41 - 114	12	20
2-Chlorophenol - RE	0.39	U H	18.5	13.4	H	mg/Kg	☼	72	34 - 121	3	20
4-Chlorophenyl phenyl ether - RE	0.39	U H	18.5	13.8	H	mg/Kg	☼	74	45 - 121	0	20
Dibenzofuran - RE	0.39	U H	18.5	13.6	H	mg/Kg	☼	73	44 - 120	12	20
3,3'-Dichlorobenzidine - RE	0.39	U H	18.5	11.0	H	mg/Kg	☼	59	22 - 121	10	20
2,4-Dichlorophenol - RE	0.39	U H	18.5	13.5	H	mg/Kg	☼	73	40 - 122	8	20
Diethyl phthalate - RE	0.39	U H	18.5	14.6	H	mg/Kg	☼	79	50 - 124	7	20
2,4-Dimethylphenol - RE	0.99	U H	18.5	12.8	H	mg/Kg	☼	69	30 - 127	14	20
Dimethyl phthalate - RE	0.39	U H	18.5	14.4	H	mg/Kg	☼	78	48 - 124	8	20
Di-n-butyl phthalate - RE	0.39	U H	18.5	16.6	H	mg/Kg	☼	89	51 - 128	2	20
2-Methyl-4,6-dinitrophenol - RE	1.9	U H	37.0	15.1	H	mg/Kg	☼	41	29 - 132	5	20
2,4-Dinitrophenol - RE	7.6	U H	37.0	5.44	J H	mg/Kg	☼	15	10 - 130	5	20
2,4-Dinitrotoluene - RE	0.99	U H	18.5	14.4	H	mg/Kg	☼	78	48 - 126	8	20
2,6-Dinitrotoluene - RE	0.39	U H	18.5	14.2	H	mg/Kg	☼	77	46 - 124	7	20
Di-n-octyl phthalate - RE	0.39	U H	18.5	16.3	H	mg/Kg	☼	88	45 - 140	2	20
1,4-Dioxane - RE	1.9	U H	18.5	5.93	H	mg/Kg	☼	32	14 - 130	12	20
Hexachlorobenzene - RE	0.39	U H	18.5	14.5	H	mg/Kg	☼	78	45 - 122	7	20
Hexachlorobutadiene - RE	0.39	U H	18.5	13.2	H	mg/Kg	☼	71	32 - 123	9	20
Hexachlorocyclopentadiene - RE	0.39	U H	18.5	7.33	H	mg/Kg	☼	40	28 - 130	5	20
Hexachloroethane - RE	0.39	U H	18.5	11.2	H	mg/Kg	☼	60	28 - 117	13	20
Isophorone - RE	0.39	U H	18.5	12.1	H	mg/Kg	☼	65	30 - 122	18	20
2-Methylphenol - RE	0.39	U H	18.5	12.4	H	mg/Kg	☼	67	32 - 122	9	20
3 & 4 Methylphenol - RE	0.39	U H	18.5	12.5	H	mg/Kg	☼	67	34 - 119	11	20
2-Nitroaniline - RE	0.39	U H	18.5	13.9	H	mg/Kg	☼	75	44 - 127	9	20
3-Nitroaniline - RE	0.99	U H	18.5	11.2	H	mg/Kg	☼	60	33 - 119	5	20
4-Nitroaniline - RE	0.99	U H	18.5	12.6	H	mg/Kg	☼	68	41 - 130	2	20
Nitrobenzene - RE	0.39	U H	18.5	12.6	H	mg/Kg	☼	68	34 - 122	11	20
2-Nitrophenol - RE	0.39	U H	18.5	13.1	H	mg/Kg	☼	71	36 - 123	15	20
4-Nitrophenol - RE	3.9	U H	37.0	28.3	H	mg/Kg	☼	76	30 - 132	8	20
N-Nitrosodi-n-propylamine - RE	0.39	U H	18.5	12.3	H	mg/Kg	☼	66	36 - 120	14	20
N-Nitrosodiphenylamine - RE	0.48	U H	37.0	27.9	H	mg/Kg	☼	75	38 - 127	6	20
Pentachlorophenol - RE	3.9	U H	37.0	20.9	H	mg/Kg	☼	56	25 - 133	9	20
Phenol - RE	0.39	U H	18.5	12.9	H	mg/Kg	☼	69	34 - 121	1	20
1,2,4,5-Tetrachlorobenzene - RE	0.39	U H	18.5	13.5	H	mg/Kg	☼	73	37 - 119	6	20
2,3,4,6-Tetrachlorophenol - RE	0.39	U H	18.5	14.0	H	mg/Kg	☼	76	44 - 125	3	20
2,4,5-Trichlorophenol - RE	0.39	U H	18.5	14.3	H	mg/Kg	☼	78	41 - 124	4	20
2,4,6-Trichlorophenol - RE	0.39	U H	18.5	14.2	H	mg/Kg	☼	77	39 - 126	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr) - RE	*68*		*58 - 130*
2-Fluorophenol (Surr) - RE	*65*		*40 - 130*
Nitrobenzene-d5 (Surr) - RE	*63*		*46 - 130*
Phenol-d5 (Surr) - RE	*70*		*49 - 130*
Terphenyl-d14 (Surr) - RE	*80*		*60 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408249

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407772

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr) - RE	*77*		*58 - 130*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone - RE	0.37	U H J	18.7	12.9	H	mg/Kg	☼	69	33 - 115
Atrazine - RE	0.37	U H	18.7	14.1	H	mg/Kg	☼	75	47 - 127
Benzaldehyde - RE	0.93	U H	18.7	6.47	H	mg/Kg	☼	35	10 - 130
1,1'-Biphenyl - RE	9.3	U H J	18.7	13.0	H	mg/Kg	☼	70	40 - 117
Bis(2-chloroethoxy)methane - RE	0.37	U H	18.7	12.1	H	mg/Kg	☼	64	36 - 121
Bis(2-chloroethyl)ether - RE	0.93	U H	18.7	11.4	H	mg/Kg	☼	61	31 - 120
bis (2-chloroisopropyl) ether - RE	0.37	U H J	18.7	12.4	H	mg/Kg	☼	66	33 - 131
Bis(2-ethylhexyl) phthalate - RE	0.31	J H	18.7	14.0	H	mg/Kg	☼	73	51 - 133
4-Bromophenyl phenyl ether - RE	0.37	U H J	18.7	14.4	H	mg/Kg	☼	77	46 - 124
Butyl benzyl phthalate - RE	0.37	U H	18.7	14.1	H	mg/Kg	☼	76	48 - 132
Caprolactam - RE	0.93	U H J	18.7	12.1	H	mg/Kg	☼	65	46 - 117
Carbazole - RE	0.30	J H	18.7	16.4	H	mg/Kg	☼	86	50 - 123
4-Chloroaniline - RE	0.93	U H	18.7	10.4	H	mg/Kg	☼	55	17 - 106
4-Chloro-3-methylphenol - RE	0.37	U H J	18.7	17.2	H	mg/Kg	☼	92	45 - 122
2-Chloronaphthalene - RE	0.37	U H J	18.7	13.3	H	mg/Kg	☼	71	41 - 114
2-Chlorophenol - RE	0.37	U H	18.7	12.2	H	mg/Kg	☼	65	34 - 121
4-Chlorophenyl phenyl ether - RE	0.37	U H J	18.7	13.5	H	mg/Kg	☼	72	45 - 121
Dibenzofuran - RE	0.37	U H J	18.7	13.7	H	mg/Kg	☼	73	44 - 120
3,3'-Dichlorobenzidine - RE	0.37	U H	18.7	11.1	H	mg/Kg	☼	60	22 - 121
2,4-Dichlorophenol - RE	0.37	U H	18.7	13.5	H	mg/Kg	☼	72	40 - 122
Diethyl phthalate - RE	0.37	U H J	18.7	14.4	H	mg/Kg	☼	77	50 - 124
2,4-Dimethylphenol - RE	0.93	U H J	18.7	13.1	H	mg/Kg	☼	70	30 - 127
Dimethyl phthalate - RE	0.37	U H J	18.7	14.0	H	mg/Kg	☼	75	48 - 124
Di-n-butyl phthalate - RE	0.37	U H J	18.7	16.2	H	mg/Kg	☼	87	51 - 128
2-Methyl-4,6-dinitrophenol - RE	1.8	U H	37.4	15.2	H	mg/Kg	☼	41	29 - 132
2,4-Dinitrophenol - RE	7.1	U H	37.4	5.28	J H	mg/Kg	☼	14	10 - 130
2,4-Dinitrotoluene - RE	0.93	U H J	18.7	13.9	H	mg/Kg	☼	74	48 - 126
2,6-Dinitrotoluene - RE	0.37	U H J	18.7	14.0	H	mg/Kg	☼	75	46 - 124
Di-n-octyl phthalate - RE	0.37	U H	18.7	13.9	H	mg/Kg	☼	74	45 - 140
1,4-Dioxane - RE	1.8	U H	18.7	5.76	H	mg/Kg	☼	31	14 - 130
Hexachlorobenzene - RE	0.37	U H J	18.7	14.1	H	mg/Kg	☼	75	45 - 122
Hexachlorobutadiene - RE	0.37	U H J	18.7	13.1	H	mg/Kg	☼	70	32 - 123
Hexachlorocyclopentadiene - RE	0.37	U H	18.7	5.30	H	mg/Kg	☼	28	28 - 130
Hexachloroethane - RE	0.37	U H	18.7	9.92	H	mg/Kg	☼	53	28 - 117
Isophorone - RE	0.37	U H J	18.7	12.7	H	mg/Kg	☼	68	30 - 122
2-Methylphenol - RE	0.37	U H J	18.7	12.2	H	mg/Kg	☼	65	32 - 122
3 & 4 Methylphenol - RE	0.37	U H	18.7	11.8	H	mg/Kg	☼	63	34 - 119
2-Nitroaniline - RE	0.37	U H J	18.7	14.6	H	mg/Kg	☼	78	44 - 127
3-Nitroaniline - RE	0.93	U H	18.7	12.6	H	mg/Kg	☼	67	33 - 119
4-Nitroaniline - RE	0.93	U H J	18.7	13.2	H	mg/Kg	☼	70	41 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrobenzene - RE	0.37	U H J	18.7	12.9	H	mg/Kg	☼	69	34 - 122
2-Nitrophenol - RE	0.37	U H	18.7	12.7	H	mg/Kg	☼	68	36 - 123
4-Nitrophenol - RE	3.7	U H	37.4	29.0	H	mg/Kg	☼	78	30 - 132
N Nitrosodi n propylamine RE	0 37	U H	18 7	11 2	H	mg/Kg	☼	60	36 - 120
N-Nitrosodiphenylamine - RE	0.45	U H J	37.4	29.7	H	mg/Kg	☼	79	38 - 127
Pentachlorophenol - RE	3.7	U H	37.4	21.8	H	mg/Kg	☼	58	25 - 133
Phenol - RE	0.37	U H	18.7	11.4	H	mg/Kg	☼	61	34 - 121
1,2,4,5-Tetrachlorobenzene - RE	0.37	U H J	18.7	13.3	H	mg/Kg	☼	71	37 - 119
2,3,4,6-Tetrachlorophenol - RE	0.37	U H J	18.7	13.7	H	mg/Kg	☼	73	44 - 125
2,4,5-Trichlorophenol - RE	0.37	U H J	18.7	13.9	H	mg/Kg	☼	74	41 - 124
2,4,6-Trichlorophenol - RE	0.37	U H J	18.7	14.0	H	mg/Kg	☼	75	39 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr) - RE	*65*		*58 - 130*
2-Fluorophenol (Surr) - RE	*59*		*40 - 130*
Nitrobenzene-d5 (Surr) - RE	*65*		*46 - 130*
Phenol-d5 (Surr) - RE	*59*		*49 - 130*
Terphenyl-d14 (Surr) - RE	*66*		*60 - 130*
2,4,6-Tribromophenol (Surr) - RE	*71*		*58 - 130*

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone - RE	0.37	U H J	17.2	10.3	H J	mg/Kg	☼	60	33 - 115	23	20
Atrazine - RE	0.37	U H	17.2	11.5	H	mg/Kg	☼	67	47 - 127	20	20
Benzaldehyde - RE	0.93	U H	17.2	6.53	H	mg/Kg	☼	38	10 - 130	1	20
1,1'-Biphenyl - RE	9.3	U H J	17.2	10.3	H J	mg/Kg	☼	60	40 - 117	23	20
Bis(2-chloroethoxy)methane - RE	0.37	U H	17.2	9.96	H	mg/Kg	☼	58	36 - 121	19	20
Bis(2-chloroethyl)ether - RE	0.93	U H	17.2	9.82	H	mg/Kg	☼	57	31 - 120	15	20
bis (2-chloroisopropyl) ether - RE	0.37	U H J	17.2	9.35	H J	mg/Kg	☼	54	33 - 131	28	20
Bis(2-ethylhexyl) phthalate - RE	0.31	J H	17.2	11.6	H	mg/Kg	☼	66	51 - 133	19	20
4-Bromophenyl phenyl ether - RE	0.37	U H J	17.2	11.7	H J	mg/Kg	☼	68	46 - 124	21	20
Butyl benzyl phthalate - RE	0.37	U H	17.2	11.8	H	mg/Kg	☼	69	48 - 132	18	20
Caprolactam - RE	0.93	U H J	17.2	9.38	H J	mg/Kg	☼	55	46 - 117	26	20
Carbazole - RE	0.30	J H	17.2	13.8	H	mg/Kg	☼	78	50 - 123	18	20
4-Chloroaniline - RE	0.93	U H	17.2	9.25	H	mg/Kg	☼	54	17 - 106	11	20
4-Chloro-3-methylphenol - RE	0.37	U H J	17.2	12.9	H J	mg/Kg	☼	75	45 - 122	29	20
2-Chloronaphthalene - RE	0.37	U H J	17.2	10.2	H J	mg/Kg	☼	59	41 - 114	27	20
2-Chlorophenol - RE	0.37	U H	17.2	10.7	H	mg/Kg	☼	62	34 - 121	14	20
4-Chlorophenyl phenyl ether - RE	0.37	U H J	17.2	10.4	H J	mg/Kg	☼	61	45 - 121	26	20
Dibenzofuran - RE	0.37	U H J	17.2	11.0	H J	mg/Kg	☼	64	44 - 120	22	20
3,3'-Dichlorobenzidine - RE	0.37	U H	17.2	9.59	H	mg/Kg	☼	56	22 - 121	15	20
2,4-Dichlorophenol - RE	0.37	U H	17.2	11.6	H	mg/Kg	☼	68	40 - 122	15	20
Diethyl phthalate - RE	0.37	U H J	17.2	11.1	H J	mg/Kg	☼	65	50 - 124	26	20
2,4-Dimethylphenol - RE	0.93	U H J	17.2	10.6	H J	mg/Kg	☼	62	30 - 127	21	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408998

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 408781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dimethyl phthalate - RE	0.37	U H J	17.2	11.1	H J	mg/Kg	☼	65	48 - 124	23	20
Di-n-butyl phthalate - RE	0.37	U H J	17.2	12.7	H J	mg/Kg	☼	74	51 - 128	25	20
2-Methyl-4,6-dinitrophenol - RE	1.8	U H	34.3	13.4	H	mg/Kg	☼	39	29 - 132	12	20
2,4-Dinitrophenol - RE	7.1	U H	34.3	4.64	J H	mg/Kg	☼	14	10 - 130	13	20
2,4-Dinitrotoluene - RE	0.93	U H J	17.2	11.1	H J	mg/Kg	☼	65	48 - 126	22	20
2,6-Dinitrotoluene - RE	0.37	U H J	17.2	11.2	H J	mg/Kg	☼	65	46 - 124	22	20
Di-n-octyl phthalate - RE	0.37	U H	17.2	12.3	H	mg/Kg	☼	71	45 - 140	13	20
1,4-Dioxane - RE	1.8	U H	17.2	4.88	H	mg/Kg	☼	28	14 - 130	17	20
Hexachlorobenzene - RE	0.37	U H J	17.2	11.3	H J	mg/Kg	☼	66	45 - 122	22	20
Hexachlorobutadiene - RE	0.37	U H J	17.2	10.5	H J	mg/Kg	☼	61	32 - 123	21	20
Hexachlorocyclopentadiene - RE	0.37	U H	17.2	4.98	H	mg/Kg	☼	29	28 - 130	6	20
Hexachloroethane - RE	0.37	U H	17.2	8.15	H	mg/Kg	☼	47	28 - 117	20	20
Isophorone - RE	0.37	U H J	17.2	9.98	H J	mg/Kg	☼	58	30 - 122	24	20
2-Methylphenol - RE	0.37	U H J	17.2	9.63	H J	mg/Kg	☼	56	32 - 122	23	20
3 & 4 Methylphenol - RE	0.37	U H	17.2	9.71	H	mg/Kg	☼	57	34 - 119	20	20
2-Nitroaniline - RE	0.37	U H J	17.2	11.3	H J	mg/Kg	☼	66	44 - 127	25	20
3-Nitroaniline - RE	0.93	U H	17.2	10.4	H	mg/Kg	☼	61	33 - 119	19	20
4-Nitroaniline - RE	0.93	U H J	17.2	10.6	H J	mg/Kg	☼	62	41 - 130	21	20
Nitrobenzene - RE	0.37	U H J	17.2	10.2	H J	mg/Kg	☼	59	34 - 122	24	20
2-Nitrophenol - RE	0.37	U H	17.2	11.0	H	mg/Kg	☼	64	36 - 123	14	20
4-Nitrophenol - RE	3.7	U H	34.3	24.1	H	mg/Kg	☼	70	30 - 132	18	20
N-Nitrosodi-n-propylamine - RE	0.37	U H	17.2	9.30	H	mg/Kg	☼	54	36 - 120	19	20
N-Nitrosodiphenylamine - RE	0.45	U H J	34.3	23.5	H J	mg/Kg	☼	68	38 - 127	24	20
Pentachlorophenol - RE	3.7	U H	34.3	18.3	H	mg/Kg	☼	53	25 - 133	17	20
Phenol - RE	0.37	U H	17.2	10.7	H	mg/Kg	☼	62	34 - 121	6	20
1,2,4,5-Tetrachlorobenzene - RE	0.37	U H J	17.2	10.4	H J	mg/Kg	☼	60	37 - 119	25	20
2,3,4,6-Tetrachlorophenol - RE	0.37	U H J	17.2	10.9	H J	mg/Kg	☼	64	44 - 125	23	20
2,4,5-Trichlorophenol - RE	0.37	U H J	17.2	11.3	H J	mg/Kg	☼	66	41 - 124	21	20
2,4,6-Trichlorophenol - RE	0.37	U H J	17.2	11.1	H J	mg/Kg	☼	65	39 - 126	23	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr) - RE	*56*	*Q*	*58 - 130*
2-Fluorophenol (Surr) - RE	*50*		*40 - 130*
Nitrobenzene-d5 (Surr) - RE	*62*		*46 - 130*
Phenol-d5 (Surr) - RE	*60*		*49 - 130*
Terphenyl-d14 (Surr) - RE	*64*		*60 - 130*
2,4,6-Tribromophenol (Surr) - RE	*65*		*58 - 130*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-406645/3-A
Matrix: Water
Analysis Batch: 407636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406645

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Acenaphthylene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 680-406645/3-A
Matrix: Water
Analysis Batch: 407636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406645

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Anthracene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Benzo[a]anthracene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Benzo[a]pyrene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Benzo[b]fluoranthene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Benzo[k]fluoranthene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Chrysene	0.10	U	0.20	0.10	0.045	ug/L		10/27/15 15:22	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Fluoranthene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Fluorene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
1-Methylnaphthalene	0.40	U	1.0	0.40	0.40	ug/L		10/27/15 15:22	1
2-Methylnaphthalene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Naphthalene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Phenanthrene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1
Pyrene	0.20	U	0.20	0.20	0.10	ug/L		10/27/15 15:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*35 - 130*	*10/21/15 15:55*	*10/27/15 15:22*	*1*

Lab Sample ID: LCS 680-406645/4-A
Matrix: Water
Analysis Batch: 407636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406645

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	6.63		ug/L		66	47 - 122
Acenaphthylene	10.0	6.46		ug/L		65	41 - 130
Anthracene	10.0	7.10		ug/L		71	57 - 123
Benzo[a]anthracene	10.0	6.87		ug/L		69	58 - 125
Benzo[a]pyrene	10.0	6.77		ug/L		68	54 - 128
Benzo[b]fluoranthene	10.0	6.96		ug/L		70	53 - 131
Benzo[g,h,i]perylene	10.0	6.51		ug/L		65	50 - 134
Benzo[k]fluoranthene	10.0	6.32		ug/L		63	57 - 129
Chrysene	10.0	6.85		ug/L		69	59 - 123
Dibenz(a,h)anthracene	10.0	6.54		ug/L		65	51 - 134
Fluoranthene	10.0	7.24		ug/L		72	57 - 128
Fluorene	10.0	7.14		ug/L		71	52 - 124
Indeno[1,2,3-cd]pyrene	10.0	6.26		ug/L		63	52 - 134
1-Methylnaphthalene	10.0	5.93		ug/L		59	41 - 119
2-Methylnaphthalene	10.0	6.02		ug/L		60	40 - 121
Naphthalene	10.0	5.78		ug/L		58	40 - 121
Phenanthrene	10.0	7.53		ug/L		75	59 - 120
Pyrene	10.0	6.86		ug/L		69	57 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*61*		*35 - 130*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCSD 680-406645/5-A
Matrix: Water
Analysis Batch: 407636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406645

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			10.0	6.49		ug/L		65	47 - 122	2	20
Acenaphthylene			10.0	6.44		ug/L		64	41 - 130	0	20
Anthracene			10.0	7.65		ug/L		76	57 - 123	7	20
Benzo[a]anthracene			10.0	7.07		ug/L		71	58 - 125	3	20
Benzo[a]pyrene			10.0	6.39		ug/L		64	54 - 128	6	20
Benzo[b]fluoranthene			10.0	5.75		ug/L		57	53 - 131	19	20
Benzo[g,h,i]perylene			10.0	6.14		ug/L		61	50 - 134	6	20
Benzo[k]fluoranthene			10.0	6.85		ug/L		69	57 - 129	8	20
Chrysene			10.0	7.21		ug/L		72	59 - 123	5	20
Dibenz(a,h)anthracene			10.0	6.21		ug/L		62	51 - 134	5	20
Fluoranthene			10.0	7.52		ug/L		75	57 - 128	4	20
Fluorene			10.0	7.25		ug/L		73	52 - 124	2	20
Indeno[1,2,3-cd]pyrene			10.0	6.40		ug/L		64	52 - 134	2	20
1-Methylnaphthalene			10.0	5.99		ug/L		60	41 - 119	1	20
2-Methylnaphthalene			10.0	6.12		ug/L		61	40 - 121	2	20
Naphthalene			10.0	5.75		ug/L		57	40 - 121	1	20
Phenanthrene			10.0	7.97		ug/L		80	59 - 120	6	20
Pyrene			10.0	7.11		ug/L		71	57 - 126	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*69*		*35 - 130*

Lab Sample ID: MB 680-407026/21-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407026

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Acenaphthylene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[a]anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[a]pyrene	0.0033	U	0.0066	0.0033	0.0012	mg/Kg		10/28/15 14:26	1
Benzo[b]fluoranthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[g,h,i]perylene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[k]fluoranthene	0.0033	U	0.0066	0.0033	0.0020	mg/Kg		10/28/15 14:26	1
Chrysene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Dibenz(a,h)anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Fluoranthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Fluorene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Indeno[1,2,3-cd]pyrene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
1-Methylnaphthalene	0.0033	U	0.0066	0.0033	0.0031	mg/Kg		10/28/15 14:26	1
2-Methylnaphthalene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Naphthalene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Phenanthrene	0.0033	U	0.0066	0.0033	0.0024	mg/Kg		10/28/15 14:26	1
Pyrene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 680-407026/21-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407026

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		36 - 131	10/24/15 09:57	10/28/15 14:26	1

Lab Sample ID: LCS 680-407026/22-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.335	0.194		mg/Kg		58	40 - 123
Acenaphthylene	0.335	0.185		mg/Kg		55	32 - 132
Anthracene	0.335	0.197		mg/Kg		59	47 - 123
Benzo[a]anthracene	0.335	0.214		mg/Kg		64	49 - 126
Benzo[a]pyrene	0.335	0.222		mg/Kg		66	45 - 129
Benzo[b]fluoranthene	0.335	0.200		mg/Kg		60	45 - 132
Benzo[g,h,i]perylene	0.335	0.202		mg/Kg		60	43 - 134
Benzo[k]fluoranthene	0.335	0.220		mg/Kg		66	47 - 132
Chrysene	0.335	0.211		mg/Kg		63	50 - 124
Dibenz(a,h)anthracene	0.335	0.205		mg/Kg		61	45 - 134
Fluoranthene	0.335	0.200		mg/Kg		60	50 - 127
Fluorene	0.335	0.215		mg/Kg		64	43 - 125
Indeno[1,2,3-cd]pyrene	0.335	0.207		mg/Kg		62	45 - 133
1-Methylnaphthalene	0.335	0.197		mg/Kg		59	40 - 119
2-Methylnaphthalene	0.335	0.214		mg/Kg		64	38 - 122
Naphthalene	0.335	0.192		mg/Kg		57	35 - 123
Phenanthrene	0.335	0.227		mg/Kg		68	50 - 121
Pyrene	0.335	0.192		mg/Kg		57	47 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	56		36 - 131

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408042

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.20	D J	1.82	1.17	D	mg/Kg	☼	53	40 - 123
Acenaphthylene	0.18	U	1.82	1.00	D	mg/Kg	☼	55	32 - 132
Anthracene	0.26	D J	1.82	1.26	D	mg/Kg	☼	55	47 - 123
Benzo[a]anthracene	1.8	D J	1.82	2.81	D	mg/Kg	☼	54	49 - 126
Benzo[a]pyrene	1.8	D J	1.82	2.65	D	mg/Kg	☼	49	45 - 129
Benzo[b]fluoranthene	2.2	D M J	1.82	3.02	D J	mg/Kg	☼	42	45 - 132
Benzo[g,h,i]perylene	1.3	D J	1.82	2.28	D	mg/Kg	☼	53	43 - 134
Benzo[k]fluoranthene	1.2	D M J	1.82	1.97	D J	mg/Kg	☼	43	47 - 132
Chrysene	2.1	D J	1.82	2.83	D J	mg/Kg	☼	43	50 - 124
Fluoranthene	4.0	D J	1.82	4.33	D J	mg/Kg	☼	20	50 - 127
Fluorene	0.18	U J	1.82	1.20	D	mg/Kg	☼	66	43 - 125
Indeno[1,2,3-cd]pyrene	1.4	D J	1.82	2.39	D	mg/Kg	☼	55	45 - 133
Dibenz(a,h)anthracene	0.39	D J	1.82	1.42	D	mg/Kg	☼	57	45 - 134
Naphthalene	0.18	U	1.82	0.943	D	mg/Kg	☼	52	35 - 123

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408042

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	2.1	D J	1.82	2.96	D J	mg/Kg	☼	46	50 - 121
Pyrene	3.2	D J	1.82	3.80	D J	mg/Kg	☼	32	47 - 127
1-Methylnaphthalene	0.087	U	1.82	1.01	D	mg/Kg	☼	56	40 - 119
2-Methylnaphthalene	0.18	U	1.82	1.04	D	mg/Kg	☼	57	38 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*64*		*36 - 131*

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408042

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.20	D J	1.83	1.90	D J	mg/Kg	☼	93	40 - 123	48	20
Acenaphthylene	0.18	U	1.83	0.853	D	mg/Kg	☼	47	32 - 132	16	20
Anthracene	0.26	D J	1.83	2.14	D J	mg/Kg	☼	103	47 - 123	52	20
Benzo[a]anthracene	1.8	D J	1.83	5.60	D J	mg/Kg	☼	206	49 - 126	66	20
Benzo[a]pyrene	1.8	D J	1.83	5.17	D J	mg/Kg	☼	186	45 - 129	64	20
Benzo[b]fluoranthene	2.2	D M J	1.83	6.49	D M J	mg/Kg	☼	232	45 - 132	73	20
Benzo[g,h,i]perylene	1.3	D J	1.83	3.79	D J	mg/Kg	☼	135	43 - 134	50	20
Benzo[k]fluoranthene	1.2	D M J	1.83	2.91	D M J	mg/Kg	☼	94	47 - 132	38	20
Chrysene	2.1	D J	1.83	5.54	D J	mg/Kg	☼	190	50 - 124	65	20
Fluoranthene	4.0	D J	1.83	11.6	D J	mg/Kg	☼	420	50 - 127	92	20
Fluorene	0.18	U J	1.83	1.48	D J	mg/Kg	☼	81	43 - 125	21	20
Indeno[1,2,3-cd]pyrene	1.4	D J	1.83	3.91	D J	mg/Kg	☼	137	45 - 133	48	20
Dibenz(a,h)anthracene	0.39	D J	1.83	1.80	D J	mg/Kg	☼	77	45 - 134	24	20
Naphthalene	0.18	U	1.83	1.02	D	mg/Kg	☼	56	35 - 123	8	20
Phenanthrene	2.1	D J	1.83	9.59	D J	mg/Kg	☼	407	50 - 121	106	20
Pyrene	3.2	D J	1.83	8.77	D J	mg/Kg	☼	303	47 - 127	79	20
1-Methylnaphthalene	0.087	U	1.83	1.05	D	mg/Kg	☼	57	40 - 119	4	20
2-Methylnaphthalene	0.18	U	1.83	1.08	D	mg/Kg	☼	59	38 - 122	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*50*		*36 - 131*

Lab Sample ID: MB 680-407035/7-A
Matrix: Solid
Analysis Batch: 407636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407035

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Acenaphthylene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Benzo[a]anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Benzo[a]pyrene	0.0033	U	0.0067	0.0033	0.0012	mg/Kg		10/27/15 15:47	1
Benzo[b]fluoranthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Benzo[g,h,i]perylene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Benzo[k]fluoranthene	0.0033	U	0.0067	0.0033	0.0020	mg/Kg		10/27/15 15:47	1

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 680-407035/7-A
Matrix: Solid
Analysis Batch: 407636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407035

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chrysene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Dibenz(a,h)anthracene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Fluoranthene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Fluorene	0 0067	U	0 0067	0 0067	0 0033	mg/Kg		10/27/15 15 47	1
Indeno[1,2,3-cd]pyrene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
1-Methylnaphthalene	0.0033	U	0.0067	0.0033	0.0031	mg/Kg		10/27/15 15:47	1
2-Methylnaphthalene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Naphthalene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1
Phenanthrene	0.0033	U	0.0067	0.0033	0.0024	mg/Kg		10/27/15 15:47	1
Pyrene	0.0067	U	0.0067	0.0067	0.0033	mg/Kg		10/27/15 15:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*36 - 131*	*10/23/15 12:45*	*10/27/15 15:47*	*1*

Lab Sample ID: LCS 680-407035/8-A
Matrix: Solid
Analysis Batch: 407636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407035

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.200		mg/Kg		60	40 - 123
Acenaphthylene	0.333	0.200		mg/Kg		60	32 - 132
Anthracene	0.333	0.217		mg/Kg		65	47 - 123
Benzo[a]anthracene	0.333	0.235		mg/Kg		70	49 - 126
Benzo[a]pyrene	0.333	0.239		mg/Kg		72	45 - 129
Benzo[b]fluoranthene	0.333	0.208		mg/Kg		63	45 - 132
Benzo[g,h,i]perylene	0.333	0.216		mg/Kg		65	43 - 134
Benzo[k]fluoranthene	0.333	0.240		mg/Kg		72	47 - 132
Chrysene	0.333	0.222		mg/Kg		67	50 - 124
Dibenz(a,h)anthracene	0.333	0.215		mg/Kg		64	45 - 134
Fluoranthene	0.333	0.218		mg/Kg		65	50 - 127
Fluorene	0.333	0.219		mg/Kg		66	43 - 125
Indeno[1,2,3-cd]pyrene	0.333	0.212		mg/Kg		64	45 - 133
1-Methylnaphthalene	0.333	0.218		mg/Kg		65	40 - 119
2-Methylnaphthalene	0.333	0.222		mg/Kg		67	38 - 122
Naphthalene	0.333	0.208		mg/Kg		62	35 - 123
Phenanthrene	0.333	0.229		mg/Kg		69	50 - 121
Pyrene	0.333	0.217		mg/Kg		65	47 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*71*		*36 - 131*

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 407636

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407035

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.039	U	1.93	1.37		mg/Kg	☼	71	40 - 123
Acenaphthylene	0.039	U	1.93	1.33		mg/Kg	☼	69	32 - 132

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 407636

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407035

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	0.039	U	1.93	1.35		mg/Kg	☼	70	47 - 123
Benzo[a]anthracene	0.039	U	1.93	1.54		mg/Kg	☼	80	49 - 126
Benzo[a]pyrene	0.013	J	1.93	1.42		mg/Kg	☼	73	45 - 129
Benzo[b]fluoranthene	0.039	U	1.93	1.27		mg/Kg	☼	66	45 - 132
Benzo[g,h,i]perylene	0.039	U	1.93	1.40		mg/Kg	☼	72	43 - 134
Benzo[k]fluoranthene	0.019	U	1.93	1.47		mg/Kg	☼	76	47 - 132
Chrysene	0.039	U	1.93	1.47		mg/Kg	☼	76	50 - 124
Fluoranthene	0.039	U J	1.93	1.46		mg/Kg	☼	76	50 - 127
Fluorene	0.039	U	1.93	1.49		mg/Kg	☼	77	43 - 125
Indeno[1,2,3-cd]pyrene	0.039	U	1.93	1.63		mg/Kg	☼	84	45 - 133
Dibenz(a,h)anthracene	0.039	U	1.93	1.43		mg/Kg	☼	74	45 - 134
Naphthalene	0.039	U	1.93	1.27		mg/Kg	☼	66	35 - 123
Phenanthrene	0.019	U	1.93	1.74		mg/Kg	☼	90	50 - 121
Pyrene	0.039	U	1.93	1.33		mg/Kg	☼	69	47 - 127
1-Methylnaphthalene	0.019	U	1.93	1.32		mg/Kg	☼	68	40 - 119
2-Methylnaphthalene	0.039	U	1.93	1.36		mg/Kg	☼	70	38 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*68*		*36 - 131*

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 407636

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407035

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.039	U	1.93	1.21		mg/Kg	☼	63	40 - 123	12	20
Acenaphthylene	0.039	U	1.93	1.19		mg/Kg	☼	62	32 - 132	11	20
Anthracene	0.039	U	1.93	1.15		mg/Kg	☼	60	47 - 123	16	20
Benzo[a]anthracene	0.039	U	1.93	1.34		mg/Kg	☼	70	49 - 126	14	20
Benzo[a]pyrene	0.013	J	1.93	1.33		mg/Kg	☼	68	45 - 129	7	20
Benzo[b]fluoranthene	0.039	U	1.93	1.30		mg/Kg	☼	67	45 - 132	2	20
Benzo[g,h,i]perylene	0.039	U	1.93	1.17		mg/Kg	☼	61	43 - 134	18	20
Benzo[k]fluoranthene	0.019	U	1.93	1.24		mg/Kg	☼	65	47 - 132	17	20
Chrysene	0.039	U	1.93	1.32		mg/Kg	☼	68	50 - 124	11	20
Fluoranthene	0.039	U J	1.93	1.17	J	mg/Kg	☼	61	50 - 127	22	20
Fluorene	0.039	U	1.93	1.31		mg/Kg	☼	68	43 - 125	13	20
Indeno[1,2,3-cd]pyrene	0.039	U	1.93	1.39		mg/Kg	☼	72	45 - 133	16	20
Dibenz(a,h)anthracene	0.039	U	1.93	1.23		mg/Kg	☼	64	45 - 134	15	20
Naphthalene	0.039	U	1.93	1.23		mg/Kg	☼	64	35 - 123	3	20
Phenanthrene	0.019	U	1.93	1.51		mg/Kg	☼	78	50 - 121	14	20
Pyrene	0.039	U	1.93	1.11		mg/Kg	☼	57	47 - 127	18	20
1-Methylnaphthalene	0.019	U	1.93	1.29		mg/Kg	☼	67	40 - 119	2	20
2-Methylnaphthalene	0.039	U	1.93	1.34		mg/Kg	☼	69	38 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*53*		*36 - 131*

Method: 8015C GRO - Gasoline Range Organics (GRO)

Lab Sample ID: MB 680-406550/6
Matrix: Water
Analysis Batch: 406550

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.0289	J	0.050	0.025	0.011	mg/L		10/20/15 18:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*110*		*69 - 133*		*10/20/15 18:15*	*1*

Lab Sample ID: LCS 680-406550/4
Matrix: Water
Analysis Batch: 406550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			0.200	0.203		mg/L		101	78 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*111*		*69 - 133*

Lab Sample ID: LCSD 680-406550/5
Matrix: Water
Analysis Batch: 406550

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			0.200	0.208		mg/L		104	78 - 122	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*111*		*69 - 133*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 680-406647/3-A
Matrix: Water
Analysis Batch: 409284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406647

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.070	U	0.10	0.070	0.050	mg/L		11/06/15 13:22	1
Oil Range Organics (C20-C36)	0.20	U	0.50	0.20	0.20	mg/L		11/06/15 13:22	1
JP-4 Fuel	0.20	U	0.20	0.20	0.20	mg/L		11/06/15 13:22	1
JP-5	0.10	U	0.10	0.10	0.10	mg/L		11/06/15 13:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*134*	*Q*	*56 - 125*	*10/21/15 15:55*	*11/06/15 13:22*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 680-406647/4-A
Matrix: Water
Analysis Batch: 409284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	1.00	0.975		mg/L		97	36 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*124*		*56 - 125*

Lab Sample ID: LCS 680-406647/6-A
Matrix: Water
Analysis Batch: 409284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil Range Organics (C20-C36)	2.00	2.17		mg/L		108	48 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*141*	*Q*	*56 - 125*

Lab Sample ID: LCSD 680-406647/5-A
Matrix: Water
Analysis Batch: 409284

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1.00	1.03		mg/L		103	36 - 132	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*118*		*56 - 125*

Lab Sample ID: LCSD 680-406647/7-A
Matrix: Water
Analysis Batch: 409284

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil Range Organics (C20-C36)	2.00	1.65		mg/L		83	48 - 130	27	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*110*		*56 - 125*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-406648/3-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406648

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.013	U	0.050	0.013	0.0072	ug/L		10/23/15 15:23	1
alpha-BHC	0.0075	U	0.050	0.0075	0.0034	ug/L		10/23/15 15:23	1
alpha-Chlordane	0.013	U	0.050	0.013	0.0048	ug/L		10/23/15 15:23	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-406648/3-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406648

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
beta-BHC	0.013	U	0.050	0.013	0.0091	ug/L		10/23/15 15:23	1
Chlordane (technical)	0.16	U	0.50	0.16	0.095	ug/L		10/23/15 15:23	1
Chlorobenzilate	0.63	U	3.0	0.63	0.30	ug/L		10/23/15 15:23	1
4,4'-DDD	0.013	U	0.050	0.013	0.0063	ug/L		10/23/15 15:23	1
4,4'-DDE	0.013	U	0.050	0.013	0.0051	ug/L		10/23/15 15:23	1
4,4'-DDT	0.013	U	0.050	0.013	0.0070	ug/L		10/23/15 15:23	1
delta-BHC	0.013	U	0.050	0.013	0.0075	ug/L		10/23/15 15:23	1
Dieldrin	0.0075	U	0.050	0.0075	0.0038	ug/L		10/23/15 15:23	1
Endosulfan I	0.0075	U	0.050	0.0075	0.0035	ug/L		10/23/15 15:23	1
Endosulfan II	0.013	U	0.050	0.013	0.0042	ug/L		10/23/15 15:23	1
Endosulfan sulfate	0.013	U	0.050	0.013	0.0051	ug/L		10/23/15 15:23	1
Endrin	0.013	U	0.050	0.013	0.0053	ug/L		10/23/15 15:23	1
Endrin aldehyde	0.013	U	0.050	0.013	0.0061	ug/L		10/23/15 15:23	1
Endrin ketone	0.013	U	0.050	0.013	0.0046	ug/L		10/23/15 15:23	1
gamma-BHC (Lindane)	0.0075	U	0.050	0.0075	0.0036	ug/L		10/23/15 15:23	1
gamma-Chlordane	0.013	U	0.050	0.013	0.0050	ug/L		10/23/15 15:23	1
Heptachlor	0.013	U	0.050	0.013	0.0071	ug/L		10/23/15 15:23	1
Heptachlor epoxide	0.0075	U	0.050	0.0075	0.0037	ug/L		10/23/15 15:23	1
Isodrin	0.0075	U	0.050	0.0075	0.0072	ug/L		10/23/15 15:23	1
Kepone	0.63	U	3.0	0.63	0.44	ug/L		10/23/15 15:23	1
Methoxychlor	0.013	U	0.050	0.013	0.0098	ug/L		10/23/15 15:23	1
PCB-1016	0.25	U	1.0	0.25	0.18	ug/L		10/23/15 15:23	1
PCB-1221	0.25	U	1.0	0.25	0.19	ug/L		10/23/15 15:23	1
PCB-1232	0.25	U	1.0	0.25	0.25	ug/L		10/23/15 15:23	1
PCB-1242	0.35	U	1.0	0.35	0.19	ug/L		10/23/15 15:23	1
PCB-1248	0.25	U	1.0	0.25	0.21	ug/L		10/23/15 15:23	1
PCB-1254	0.25	U	1.0	0.25	0.11	ug/L		10/23/15 15:23	1
PCB-1260	0.25	U	1.0	0.25	0.12	ug/L		10/23/15 15:23	1
Toxaphene	0.80	U	5.0	0.80	0.40	ug/L		10/23/15 15:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*14 - 130*	*10/21/15 15:55*	*10/23/15 15:23*	*1*
Tetrachloro-m-xylene	*68*		*44 - 124*	*10/21/15 15:55*	*10/23/15 15:23*	*1*

Lab Sample ID: LCS 680-406648/10-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406648

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobenzilate			15.0	17.2		ug/L		114	40 - 142		
Isodrin			0.250	0.202		ug/L		81	53 - 130		
Kepone			15.0	17.2		ug/L		114	10 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*61*		*14 - 130*
Tetrachloro-m-xylene	*72*		*44 - 124*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-406648/4-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.100	0.0870		ug/L		87	45 - 134
alpha-BHC	0.100	0.0943		ug/L		94	54 - 138
alpha-Chlordane	0.100	0.101		ug/L		101	60 - 129
beta-BHC	0.100	0.0957		ug/L		96	56 - 136
4,4'-DDD	0.100	0.0951		ug/L		95	56 - 143
4,4'-DDE	0.100	0.0926		ug/L		93	57 - 135
4,4'-DDT	0.100	0.110		ug/L		110	51 - 143
delta-BHC	0.100	0.0981		ug/L		98	52 - 142
Dieldrin	0.100	0.0989		ug/L		99	60 - 136
Endosulfan I	0.100	0.0849		ug/L		85	62 - 126
Endosulfan II	0.100	0.0912		ug/L		91	52 - 135
Endosulfan sulfate	0.100	0.106		ug/L		106	62 - 133
Endrin	0.100	0.100		ug/L		100	60 - 138
Endrin aldehyde	0.100	0.102		ug/L		102	51 - 132
Endrin ketone	0.100	0.0938		ug/L		94	58 - 134
gamma-BHC (Lindane)	0.100	0.0952		ug/L		95	59 - 134
gamma-Chlordane	0.100	0.0988		ug/L		99	56 - 136
Heptachlor	0.100	0.0918		ug/L		92	54 - 130
Heptachlor epoxide	0.100	0.0998		ug/L		100	61 - 133
Methoxychlor	0.100	0.115		ug/L		115	54 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*14 - 130*
Tetrachloro-m-xylene	*66*		*44 - 124*

Lab Sample ID: LCS 680-406648/6-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	6.00	5.36		ug/L		89	46 - 129
PCB-1260	6.00	5.13		ug/L		86	45 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*14 - 130*
Tetrachloro-m-xylene	*69*		*44 - 124*

Lab Sample ID: LCS 680-406648/8-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	4.00	3.29		ug/L		82	62 - 140
Toxaphene	8.00	9.09		ug/L		114	33 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*	*M*	*14 - 130*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-406648/8-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406648

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*67*		*44 - 124*

Lab Sample ID: LCSD 680-406648/11-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406648

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzilate			15.0	15.6		ug/L		104	40 - 142	10	30
Isodrin			0.250	0.186		ug/L		74	53 - 130	8	30
Kepone			15.0	15.6		ug/L		104	10 - 130	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*40*		*14 - 130*
Tetrachloro-m-xylene	*65*		*44 - 124*

Lab Sample ID: LCSD 680-406648/5-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406648

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin			0.100	0.0793		ug/L		79	45 - 134	9	30
alpha-BHC			0.100	0.0871		ug/L		87	54 - 138	8	30
alpha-Chlordane			0.100	0.0951		ug/L		95	60 - 129	6	30
beta-BHC			0.100	0.0912		ug/L		91	56 - 136	5	30
4,4'-DDD			0.100	0.0926		ug/L		93	56 - 143	3	30
4,4'-DDE			0.100	0.0885		ug/L		89	57 - 135	4	30
4,4'-DDT			0.100	0.107		ug/L		107	51 - 143	3	30
delta-BHC			0.100	0.0933		ug/L		93	52 - 142	5	30
Dieldrin			0.100	0.0934		ug/L		93	60 - 136	6	30
Endosulfan I			0.100	0.0796		ug/L		80	62 - 126	6	30
Endosulfan II			0.100	0.0878		ug/L		88	52 - 135	4	30
Endosulfan sulfate			0.100	0.104		ug/L		104	62 - 133	1	30
Endrin			0.100	0.0920		ug/L		92	60 - 138	8	30
Endrin aldehyde			0.100	0.103		ug/L		103	51 - 132	0	30
Endrin ketone			0.100	0.0939		ug/L		94	58 - 134	0	30
gamma-BHC (Lindane)			0.100	0.0892		ug/L		89	59 - 134	6	30
gamma-Chlordane			0.100	0.0932		ug/L		93	56 - 136	6	30
Heptachlor			0.100	0.0810		ug/L		81	54 - 130	12	30
Heptachlor epoxide			0.100	0.0930		ug/L		93	61 - 133	7	30
Methoxychlor			0.100	0.113		ug/L		113	54 - 145	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*67*		*14 - 130*
Tetrachloro-m-xylene	*62*		*44 - 124*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCSD 680-406648/7-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406648

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			6.00	5.54		ug/L		92	46 - 129	3	30
PCB-1260			6.00	4.19		ug/L		70	45 - 134	20	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*67*		*14 - 130*
Tetrachloro-m-xylene	*72*		*44 - 124*

Lab Sample ID: LCSD 680-406648/9-A
Matrix: Water
Analysis Batch: 407179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406648

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlordane (technical)			4.00	3.80		ug/L		95	62 - 140	14	30
Toxaphene			8.00	8.24		ug/L		103	33 - 134	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*53*	*M*	*14 - 130*
Tetrachloro-m-xylene	*67*		*44 - 124*

Method: 8151A DOD - Herbicides (GC)

Lab Sample ID: MB 680-406517/16-A
Matrix: Water
Analysis Batch: 406882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406517

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.050	U	0.50	0.050	0.037	ug/L		10/22/15 14:31	1
Dalapon	0.25	U	5.0	0.25	0.10	ug/L		10/22/15 14:31	1
2,4-DB	0.40	U	0.50	0.40	0.15	ug/L		10/22/15 14:31	1
Dicamba	0.15	U	0.50	0.15	0.085	ug/L		10/22/15 14:31	1
Dichlorprop	0.40	U	0.50	0.40	0.15	ug/L		10/22/15 14:31	1
Dinoseb	0.40	U	1.0	0.40	0.16	ug/L		10/22/15 14:31	1
MCPA	40	U	120	40	17	ug/L		10/22/15 14:31	1
MCPP	40	U	120	40	19	ug/L		10/22/15 14:31	1
Pentachlorophenol	0.090	U	0.25	0.090	0.037	ug/L		10/22/15 14:31	1
Silvex (2,4,5-TP)	0.15	U	0.25	0.15	0.062	ug/L		10/22/15 14:31	1
2,4,5-T	0.15	U	0.25	0.15	0.062	ug/L		10/22/15 14:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*79*		*32 - 138*	*10/20/15 13:09*	*10/22/15 14:31*	*1*

Lab Sample ID: LCS 680-406517/17-A
Matrix: Water
Analysis Batch: 406882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406517

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D			2.00	1.72		ug/L		86	45 - 152

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: LCS 680-406517/17-A
Matrix: Water
Analysis Batch: 406882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dalapon	2.00	1.24	J	ug/L		62	19 - 139
2,4-DB	2.00	1.70		ug/L		85	35 - 153
Dicamba	1.00	0.834		ug/L		83	50 - 141
Dichlorprop	2.00	1.70		ug/L		85	46 - 159
Dinoseb	2.00	1.52		ug/L		76	14 - 130
MCPA	200	163		ug/L		81	35 - 144
MCPP	200	162		ug/L		81	33 - 157
Pentachlorophenol	0.500	0.433		ug/L		87	56 - 139
Silvex (2,4,5-TP)	0.500	0.438		ug/L		88	51 - 134
2,4,5-T	0.500	0.443		ug/L		89	42 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*87*		*32 - 138*

Lab Sample ID: LCSD 680-406517/18-A
Matrix: Water
Analysis Batch: 406882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406517

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	2.00	1.70		ug/L		85	45 - 152	1	30
Dalapon	2.00	1.27	J	ug/L		64	19 - 139	3	30
2,4-DB	2.00	1.71		ug/L		86	35 - 153	0	30
Dicamba	1.00	0.833		ug/L		83	50 - 141	0	30
Dichlorprop	2.00	1.68		ug/L		84	46 - 159	1	30
Dinoseb	2.00	1.56		ug/L		78	14 - 130	3	30
MCPA	200	161		ug/L		80	35 - 144	1	30
MCPP	200	160		ug/L		80	33 - 157	1	30
Pentachlorophenol	0.500	0.426		ug/L		85	56 - 139	2	30
Silvex (2,4,5-TP)	0.500	0.432		ug/L		86	51 - 134	1	30
2,4,5-T	0.500	0.439		ug/L		88	42 - 147	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*85*		*32 - 138*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 240-202751/1-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202751

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	4.0	U	20	4.0	0.62	mg/Kg		10/24/15 16:22	2
Antimony	0.15	U	0.40	0.15	0.014	mg/Kg		10/24/15 16:22	2
Arsenic	0.0444	J D	1.0	0.15	0.026	mg/Kg		10/24/15 16:22	2
Barium	0.30	U	1.0	0.30	0.22	mg/Kg		10/24/15 16:22	2
Beryllium	0.10	U	0.20	0.10	0.011	mg/Kg		10/24/15 16:22	2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-202751/1-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202751

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Cadmium	0.010	U	0.40	0.010	0.0037	mg/Kg		10/24/15 16:22	2
Calcium	100	U	400	100	22	mg/Kg		10/24/15 16:22	2
Chromium	0.311	J D	1.0	0.45	0.060	mg/Kg		10/24/15 16:22	2
Cobalt	0.00720	J D	0.20	0.015	0.0017	mg/Kg		10/24/15 16:22	2
Copper	0.196	J D	0.80	0.30	0.097	mg/Kg		10/24/15 16:22	2
Iron	30	U	100	30	3.2	mg/Kg		10/24/15 16:22	2
Lead	0.20	U	0.60	0.20	0.045	mg/Kg		10/24/15 16:22	2
Magnesium	4.52	J D	200	25	4.0	mg/Kg		10/24/15 16:22	2
Manganese	0.40	U	1.0	0.40	0.12	mg/Kg		10/24/15 16:22	2
Nickel	0.0594	J D	1.0	0.25	0.039	mg/Kg		10/24/15 16:22	2
Potassium	10	U	200	10	4.9	mg/Kg		10/24/15 16:22	2
Selenium	0.060	U	1.0	0.060	0.040	mg/Kg		10/24/15 16:22	2
Silver	0.050	U	0.20	0.050	0.0014	mg/Kg		10/24/15 16:22	2
Sodium	40	U	200	40	8.7	mg/Kg		10/24/15 16:22	2
Thallium	0.15	U	0.40	0.15	0.019	mg/Kg		10/24/15 16:22	2
V	0.0552	J D	1.0	0.10	0.037	mg/Kg		10/24/15 16:22	2
Zinc	2.0	U	8.0	2.0	0.50	mg/Kg		10/24/15 16:22	2

Lab Sample ID: LCS 240-202751/2-A ^2
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	1000	D	mg/Kg		100	78 - 124
Antimony	10.0	9.30	D	mg/Kg		93	72 - 124
Arsenic	100	89.4	D	mg/Kg		89	82 - 118
Barium	100	104	D	mg/Kg		104	86 - 116
Beryllium	100	95.8	D	mg/Kg		96	80 - 120
Cadmium	100	104	D	mg/Kg		104	84 - 116
Calcium	1000	902	D	mg/Kg		90	86 - 118
Chromium	100	95.5	D	mg/Kg		96	83 - 119
Cobalt	100	97.8	D	mg/Kg		98	84 - 115
Copper	100	99.2	D	mg/Kg		99	84 - 119
Iron	1000	987	D	mg/Kg		99	81 - 124
Lead	100	100	D	mg/Kg		100	84 - 118
Magnesium	1000	995	D	mg/Kg		99	80 - 123
Manganese	100	97.8	D	mg/Kg		98	85 - 116
Nickel	100	106	D	mg/Kg		106	84 - 119
Potassium	1000	970	D	mg/Kg		97	85 - 119
Selenium	100	89.6	D	mg/Kg		90	80 - 119
Silver	10.0	9.29	D	mg/Kg		93	83 - 118
Sodium	1000	979	D	mg/Kg		98	79 - 125
Thallium	25.0	24.5	D	mg/Kg		98	83 - 118
V	100	95.1	D	mg/Kg		95	82 - 116
Zinc	100	105	D	mg/Kg		105	82 - 119

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 203376

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	42000	D J	924	45300	D 4	mg/Kg	☼	376	80 - 123

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	15000	J D	924	17500	4 D	mg/Kg	☼	236	78 - 124
Antimony	0.32	J J D	9.24	2.37	J D	mg/Kg	☼	22	72 - 124
Arsenic	0.99	J D	92.4	84.2	D	mg/Kg	☼	90	82 - 118
Barium	15	J D	92.4	102	D	mg/Kg	☼	94	86 - 116
Beryllium	0.17	J D	92.4	87.9	D	mg/Kg	☼	95	80 - 120
Cadmium	0.26	J J D	92.4	87.0	D	mg/Kg	☼	94	84 - 116
Calcium	16000	J D	924	16000	4 D	mg/Kg	☼	27	86 - 118
Chromium	280	J D	92.4	381	D	mg/Kg	☼	108	83 - 119
Cobalt	33	D	92.4	120	D	mg/Kg	☼	94	84 - 115
Copper	40	D	92.4	133	D	mg/Kg	☼	101	84 - 119
Iron	32000	J D	924	33400	4 D	mg/Kg	☼	132	81 - 124
Lead	51	D	92.4	144	D	mg/Kg	☼	101	84 - 118
Manganese	490	J D	92.4	602	4 D	mg/Kg	☼	123	85 - 116
Nickel	590	D J	92.4	694	4 D	mg/Kg	☼	117	84 - 119
Potassium	1100	D	924	2030	D	mg/Kg	☼	96	85 - 119
Selenium	0.29	J D	92.4	85.3	D	mg/Kg	☼	92	80 - 119
Silver	0.044	J D	9.24	8.38	D	mg/Kg	☼	90	83 - 118
Sodium	100	J D	924	959	D	mg/Kg	☼	93	79 - 125
Thallium	0.71	U	23.1	20.4	D	mg/Kg	☼	88	83 - 118
V	86	D	92.4	173	D	mg/Kg	☼	94	82 - 116
Zinc	77	D	92.4	167	D	mg/Kg	☼	98	82 - 119

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 203376

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	42000	D J	921	45400	D 4	mg/Kg	☼	383	80 - 123	0	20

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	15000	J D	921	16200	4 D	mg/Kg	☼	99	78 - 124	8	20
Antimony	0.32	J J D	9.21	2.02	D J	mg/Kg	☼	18	72 - 124	16	20
Arsenic	0.99	J D	92.1	83.8	D	mg/Kg	☼	90	82 - 118	0	20
Barium	15	J D	92.1	102	D	mg/Kg	☼	95	86 - 116	0	20
Beryllium	0.17	J D	92.1	84.6	D	mg/Kg	☼	92	80 - 120	4	20
Cadmium	0.26	J J D	92.1	86.7	D	mg/Kg	☼	94	84 - 116	0	20
Calcium	16000	J D	921	18600	4 D	mg/Kg	☼	309	86 - 118	15	20
Chromium	280	J D	92.1	344	D J	mg/Kg	☼	68	83 - 119	10	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 203621

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 202751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	33	D	92.1	116	D	mg/Kg	☼	91	84 - 115	3	20
Copper	40	D	92.1	127	D	mg/Kg	☼	95	84 - 119	4	20
Iron	32000	J D	921	31500	4 D	mg/Kg	☼	-72	81 - 124	6	20
Lead	51	D	92.1	144	D	mg/Kg	☼	101	84 - 118	0	20
Manganese	490	J D	92.1	555	4 D	mg/Kg	☼	73	85 - 116	8	20
Nickel	590	D J	92.1	661	4 D	mg/Kg	☼	81	84 - 119	5	20
Potassium	1100	D	921	1980	D	mg/Kg	☼	91	85 - 119	3	20
Selenium	0.29	J D	92.1	84.7	D	mg/Kg	☼	92	80 - 119	1	20
Silver	0.044	J D	9.21	8.45	D	mg/Kg	☼	91	83 - 118	1	20
Sodium	100	J D	921	925	D	mg/Kg	☼	89	79 - 125	4	20
Thallium	0.71	U	23.0	20.3	D	mg/Kg	☼	88	83 - 118	0	20
V	86	D	92.1	163	D	mg/Kg	☼	83	82 - 116	6	20
Zinc	77	D	92.1	169	D	mg/Kg	☼	99	82 - 119	1	20

Lab Sample ID: MB 240-202931/1-A ^2
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202931

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aluminum	0.694	J D	20	4.0	0.62	mg/Kg		10/27/15 11:36	2
Antimony	0.15	U	0.40	0.15	0.014	mg/Kg		10/27/15 11:36	2
Arsenic	0.15	U	1.0	0.15	0.026	mg/Kg		10/27/15 11:36	2
Barium	0.30	U	1.0	0.30	0.22	mg/Kg		10/27/15 11:36	2
Beryllium	0.10	U	0.20	0.10	0.011	mg/Kg		10/27/15 11:36	2
Cadmium	0.00400	J D	0.40	0.010	0.0037	mg/Kg		10/27/15 11:36	2
Calcium	100	U	400	100	22	mg/Kg		10/27/15 11:36	2
Chromium	0.268	J D	1.0	0.45	0.060	mg/Kg		10/27/15 11:36	2
Cobalt	0.00500	J D	0.20	0.015	0.0017	mg/Kg		10/27/15 11:36	2
Copper	0.116	J D	0.80	0.30	0.097	mg/Kg		10/27/15 11:36	2
Iron	30	U	100	30	3.2	mg/Kg		10/27/15 11:36	2
Lead	0.20	U	0.60	0.20	0.045	mg/Kg		10/27/15 11:36	2
Magnesium	5.35	J D	200	25	4.0	mg/Kg		10/27/15 11:36	2
Manganese	0.40	U	1.0	0.40	0.12	mg/Kg		10/27/15 11:36	2
Nickel	0.25	U	1.0	0.25	0.039	mg/Kg		10/27/15 11:36	2
Potassium	10	U	200	10	4.9	mg/Kg		10/27/15 11:36	2
Selenium	0.060	U	1.0	0.060	0.040	mg/Kg		10/27/15 11:36	2
Silver	0.050	U	0.20	0.050	0.0014	mg/Kg		10/27/15 11:36	2
Sodium	40	U	200	40	8.7	mg/Kg		10/27/15 11:36	2
Thallium	0.15	U	0.40	0.15	0.019	mg/Kg		10/27/15 11:36	2
V	0.105	J D	1.0	0.10	0.037	mg/Kg		10/27/15 11:36	2
Zinc	2.0	U	8.0	2.0	0.50	mg/Kg		10/27/15 11:36	2

Lab Sample ID: LCS 240-202931/2-A ^2
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	978	D	mg/Kg		98	78 - 124
Antimony	10.0	9.16	D	mg/Kg		92	72 - 124

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-202931/2-A ^2
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	90.1	D	mg/Kg		90	82 - 118
Barium	100	102	D	mg/Kg		102	86 - 116
Beryllium	100	88.9	D	mg/Kg		89	80 - 120
Cadmium	100	104	D	mg/Kg		104	84 - 116
Calcium	1000	897	D	mg/Kg		90	86 - 118
Chromium	100	95.3	D	mg/Kg		95	83 - 119
Cobalt	100	97.5	D	mg/Kg		97	84 - 115
Copper	100	99.2	D	mg/Kg		99	84 - 119
Iron	1000	964	D	mg/Kg		96	81 - 124
Lead	100	102	D	mg/Kg		102	84 - 118
Magnesium	1000	981	D	mg/Kg		98	80 - 123
Manganese	100	95.4	D	mg/Kg		95	85 - 116
Nickel	100	104	D	mg/Kg		104	84 - 119
Potassium	1000	965	D	mg/Kg		96	85 - 119
Selenium	100	89.1	D	mg/Kg		89	80 - 119
Silver	10.0	9.27	D	mg/Kg		93	83 - 118
Sodium	1000	982	D	mg/Kg		98	79 - 125
Thallium	25.0	24.2	D	mg/Kg		97	83 - 118
V	100	94.2	D	mg/Kg		94	82 - 116
Zinc	100	104	D	mg/Kg		104	82 - 119

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 202931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	13000	D	901	16000	4 D	mg/Kg	☼	298	78 - 124
Antimony	0.14	J D	9.01	1.85	J D	mg/Kg	☼	19	72 - 124
Arsenic	1.2	J D	90.1	84.2	D	mg/Kg	☼	92	82 - 118
Barium	96	D	90.1	105	J D	mg/Kg	☼	10	86 - 116
Beryllium	0.20	J D	90.1	81.1	D	mg/Kg	☼	90	80 - 120
Cadmium	0.28	J D	90.1	84.3	D	mg/Kg	☼	93	84 - 116
Calcium	11000	D	901	13200	4 D	mg/Kg	☼	194	86 - 118
Chromium	430	D	90.1	545	4 D	mg/Kg	☼	123	83 - 119
Cobalt	53	D	90.1	136	D	mg/Kg	☼	92	84 - 115
Copper	26	D	90.1	114	D	mg/Kg	☼	98	84 - 119
Iron	36000	D J	901	37400	4 D	mg/Kg	☼	180	81 - 124
Lead	11	D	90.1	96.6	D	mg/Kg	☼	95	84 - 118
Manganese	510	D	90.1	649	4 D	mg/Kg	☼	148	85 - 116
Nickel	1100	D	90.1	1190	4 D	mg/Kg	☼	121	84 - 119
Potassium	1000	D	901	1880	D	mg/Kg	☼	95	85 - 119
Selenium	0.50	J D	90.1	82.3	D	mg/Kg	☼	91	80 - 119
Silver	0.031	J D	9.01	8.09	D	mg/Kg	☼	89	83 - 118
Sodium	69	J D	901	923	D	mg/Kg	☼	95	79 - 125
Thallium	0.64	U	22.5	19.3	D	mg/Kg	☼	86	83 - 118
V	49	D	90.1	128	D	mg/Kg	☼	88	82 - 116
Zinc	69	D	90.1	132	J D	mg/Kg	☼	70	82 - 119

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 202931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	85000	J D	901	85700	4 D	mg/Kg	☼	92	80 - 123

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 202931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	13000	D	901	15400	4 D	mg/Kg	☼	230	78 - 124	4	20
Antimony	0.14	J D	9.01	1.65	D J	mg/Kg	☼	17	72 - 124	12	20
Arsenic	1.2	J D	90.1	81.8	D	mg/Kg	☼	89	82 - 118	3	20
Barium	96	D	90.1	104	D J	mg/Kg	☼	9	86 - 116	1	20
Beryllium	0.20	J D	90.1	80.0	D	mg/Kg	☼	89	80 - 120	1	20
Cadmium	0.28	J D	90.1	81.5	D	mg/Kg	☼	90	84 - 116	3	20
Calcium	11000	D	901	13200	4 D	mg/Kg	☼	197	86 - 118	0	20
Chromium	430	D	90.1	514	4 D	mg/Kg	☼	89	83 - 119	6	20
Cobalt	53	D	90.1	136	D	mg/Kg	☼	91	84 - 115	0	20
Copper	26	D	90.1	109	D	mg/Kg	☼	92	84 - 119	4	20
Iron	36000	D J	901	36300	4 D	mg/Kg	☼	61	81 - 124	3	20
Lead	11	D	90.1	96.5	D	mg/Kg	☼	95	84 - 118	0	20
Manganese	510	D	90.1	651	4 D	mg/Kg	☼	151	85 - 116	0	20
Nickel	1100	D	90.1	1170	4 D	mg/Kg	☼	100	84 - 119	2	20
Potassium	1000	D	901	1900	D	mg/Kg	☼	96	85 - 119	1	20
Selenium	0.50	J D	90.1	80.2	D	mg/Kg	☼	88	80 - 119	3	20
Silver	0.031	J D	9.01	8.00	D	mg/Kg	☼	88	83 - 118	1	20
Sodium	69	J D	901	887	J D	mg/Kg	☼	91	79 - 125	4	20
Thallium	0.64	U	22.5	18.9	D	mg/Kg	☼	84	83 - 118	2	20
V	49	D	90.1	123	D	mg/Kg	☼	82	82 - 116	4	20
Zinc	69	D	90.1	126	D J	mg/Kg	☼	63	82 - 119	4	20

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 202931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	85000	J D	901	87500	4 D	mg/Kg	☼	292	80 - 123	2	20

Lab Sample ID: 680-117942-58 MS
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSK201
Prep Type: Total/NA
Prep Batch: 202941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	16000	D	1120	21800	4 D	mg/Kg	☼	561	78 - 124
Antimony	0.14	J D	11.2	3.31	J D	mg/Kg	☼	28	72 - 124
Arsenic	2.7	J D	112	102	D	mg/Kg	☼	89	82 - 118
Barium	31	D	112	140	D	mg/Kg	☼	97	86 - 116
Beryllium	0.22	J D	112	97.3	D	mg/Kg	☼	87	80 - 120
Cadmium	0.17	J D	112	101	D	mg/Kg	☼	90	84 - 116
Chromium	320	D	112	458	J D	mg/Kg	☼	127	83 - 119
Cobalt	28	D	112	131	D	mg/Kg	☼	92	84 - 115

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-58 MS
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSK201
Prep Type: Total/NA
Prep Batch: 202941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	27	D	112	136	D	mg/Kg	☼	98	84 - 119
Iron	33000	D	1120	37900	4 D	mg/Kg	☼	483	81 - 124
Lead	75	D	112	119	J D	mg/Kg	☼	39	84 - 118
Magnesium	46000	D	1120	45100	4 D	mg/Kg	☼	-88	80 - 123
Manganese	480	D	112	629	4 D	mg/Kg	☼	132	85 - 116
Nickel	640	D	112	764	4 D	mg/Kg	☼	112	84 - 119
Potassium	860	J D	1120	2110	D	mg/Kg	☼	113	85 - 119
Selenium	0.61	J D	112	99.7	D	mg/Kg	☼	89	80 - 119
Silver	0.028	J D	11.2	9.63	D	mg/Kg	☼	86	83 - 118
Sodium	280	J D	1120	1340	D	mg/Kg	☼	95	79 - 125
Thallium	0.73	U	27.9	23.2	D	mg/Kg	☼	83	83 - 118
V	72	D	112	187	D	mg/Kg	☼	103	82 - 116
Zinc	38	J D	112	145	D	mg/Kg	☼	96	82 - 119

Lab Sample ID: 680-117942-58 MS
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSK201
Prep Type: Total/NA
Prep Batch: 202941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	86000	J D	1120	79000	4 D	mg/Kg	☼	-591	86 - 118

Lab Sample ID: 680-117942-58 MSD
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSK201
Prep Type: Total/NA
Prep Batch: 202941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	16000	D	1120	21700	4 D	mg/Kg	☼	550	78 - 124	1	20
Antimony	0.14	J D	11.2	3.05	D J	mg/Kg	☼	26	72 - 124	8	20
Arsenic	2.7	J D	112	103	D	mg/Kg	☼	90	82 - 118	1	20
Barium	31	D	112	133	D	mg/Kg	☼	91	86 - 116	5	20
Beryllium	0.22	J D	112	101	D	mg/Kg	☼	90	80 - 120	4	20
Cadmium	0.17	J D	112	100	D	mg/Kg	☼	90	84 - 116	0	20
Chromium	320	D	112	475	J D	mg/Kg	☼	142	83 - 119	4	20
Cobalt	28	D	112	129	D	mg/Kg	☼	91	84 - 115	1	20
Copper	27	D	112	130	D	mg/Kg	☼	92	84 - 119	5	20
Iron	33000	D	1120	37200	4 D	mg/Kg	☼	418	81 - 124	2	20
Lead	75	D	112	118	D J	mg/Kg	☼	39	84 - 118	1	20
Magnesium	46000	D	1120	52600	4 D	mg/Kg	☼	581	80 - 123	15	20
Manganese	480	D	112	609	4 D	mg/Kg	☼	114	85 - 116	3	20
Nickel	640	D	112	832	4 D	mg/Kg	☼	173	84 - 119	9	20
Potassium	860	J D	1120	2020	D	mg/Kg	☼	104	85 - 119	5	20
Selenium	0.61	J D	112	100	D	mg/Kg	☼	89	80 - 119	0	20
Silver	0.028	J D	11.2	9.71	D	mg/Kg	☼	87	83 - 118	1	20
Sodium	280	J D	1120	1330	D	mg/Kg	☼	94	79 - 125	1	20
Thallium	0.73	U	27.9	23.3	D	mg/Kg	☼	84	83 - 118	0	20
V	72	D	112	184	D	mg/Kg	☼	101	82 - 116	2	20
Zinc	38	J D	112	138	D	mg/Kg	☼	89	82 - 119	5	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117942-58 MSD
Matrix: Solid
Analysis Batch: 204042

Client Sample ID: AOPSK201
Prep Type: Total/NA
Prep Batch: 202941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	86000	J D	1120	75700	4 D	mg/Kg	☼	-890	86 - 118	4	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-202763/1-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202763

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg		10/23/15 16:46	1

Lab Sample ID: LCS 240-202763/2-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.855		mg/Kg		103	80 - 124

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 202763

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.020	J	0.204	0.248		mg/Kg	☼	112	80 - 124

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 202763

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.020	J	0.203	0.243		mg/Kg	☼	110	80 - 124	2	20

Lab Sample ID: MB 240-202937/1-A
Matrix: Solid
Analysis Batch: 203094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202937

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg		10/22/15 09:44	1

Lab Sample ID: LCS 240-202937/2-A
Matrix: Solid
Analysis Batch: 203094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202937

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.754		mg/Kg		91	80 - 124

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 203094

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 202937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.018	J	0.225	0.229		mg/Kg	☼	102	80 - 124

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 203094

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 202937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.018	J	0.225	0.229		mg/Kg	☼	102	80 - 124	0	20

Lab Sample ID: MB 240-202954/1-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202954

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hg	0.033	U	0.10	0.033	0.014	mg/Kg		10/23/15 16:08	1

Lab Sample ID: LCS 240-202954/2-A
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.853		mg/Kg		102	80 - 124

Lab Sample ID: 680-117942-58 MS
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: AOPSK201
Prep Type: Total/NA
Prep Batch: 202954

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.025	J	0.221	0.260		mg/Kg	☼	106	80 - 124

Lab Sample ID: 680-117942-58 MSD
Matrix: Solid
Analysis Batch: 203476

Client Sample ID: AOPSK201
Prep Type: Total/NA
Prep Batch: 202954

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.025	J	0.221	0.253		mg/Kg	☼	103	80 - 124	2	20

GC/MS Semi VOA

Prep Batch: 406642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	3520C	
680-117942-68	EB101415	Total/NA	Water	3520C	
LCS 680-406642/8-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-406642/7-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 406645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	3520C	
680-117942-68	EB101415	Total/NA	Water	3520C	
LCS 680-406645/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-406645/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-406645/3-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 407026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	3546	
680-117942-43 - DL	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3546	
680-117942-44	AOPSM201	Total/NA	Solid	3546	
680-117942-44 - DL	AOPSM201	Total/NA	Solid	3546	
680-117942-45	AOPSL201	Total/NA	Solid	3546	
680-117942-46	AOPSN301	Total/NA	Solid	3546	
680-117942-47	AOPSM401	Total/NA	Solid	3546	
680-117942-48	AOPSN401	Total/NA	Solid	3546	
680-117942-49	AOPSM501	Total/NA	Solid	3546	
680-117942-50	AOPSE601	Total/NA	Solid	3546	
680-117942-51	AOPSF501	Total/NA	Solid	3546	
680-117942-52	AOPSF701	Total/NA	Solid	3546	
680-117942-54	AOPSH401	Total/NA	Solid	3546	
680-117942-55	AOPSH501	Total/NA	Solid	3546	
680-117942-56	AOPCH501	Total/NA	Solid	3546	
680-117942-57	AOPSJ201	Total/NA	Solid	3546	
680-117942-58	AOPSK201	Total/NA	Solid	3546	
680-117942-59	AOPSK301	Total/NA	Solid	3546	
680-117942-60	AOPSK501	Total/NA	Solid	3546	
680-117942-61	AOPSL301	Total/NA	Solid	3546	
LCS 680-407026/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407026/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 407027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	3546	
680-117942-43	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3546	
680-117942-44	AOPSM201	Total/NA	Solid	3546	
680-117942-45	AOPSL201	Total/NA	Solid	3546	
680-117942-46	AOPSN301	Total/NA	Solid	3546	
680-117942-47	AOPSM401	Total/NA	Solid	3546	
680-117942-48	AOPSN401	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 407027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-49	AOPSM501	Total/NA	Solid	3546	
680-117942-50	AOPSE601	Total/NA	Solid	3546	
680-117942-51	AOPSF501	Total/NA	Solid	3546	
680-117942-52	AOPSF701	Total/NA	Solid	3546	
680-117942-54	AOPSH401	Total/NA	Solid	3546	
680-117942-55	AOPSH501	Total/NA	Solid	3546	
680-117942-56	AOPCH501	Total/NA	Solid	3546	
680-117942-57	AOPSJ201	Total/NA	Solid	3546	
680-117942-58	AOPSK201	Total/NA	Solid	3546	
680-117942-59	AOPSK301	Total/NA	Solid	3546	
680-117942-60	AOPSK501	Total/NA	Solid	3546	
680-117942-61	AOPSL301	Total/NA	Solid	3546	
LCS 680-407027/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407027/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 407035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3546	
680-117942-62	AOPCL301	Total/NA	Solid	3546	
680-117942-63	AOPSL401	Total/NA	Solid	3546	
680-117942-64	AOPSL501	Total/NA	Solid	3546	
680-117942-65	AOPSL601	Total/NA	Solid	3546	
680-117942-66	AOPSL701	Total/NA	Solid	3546	
LCS 680-407035/8-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407035/7-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 407036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3546	
680-117942-62	AOPCL301	Total/NA	Solid	3546	
680-117942-63	AOPSL401	Total/NA	Solid	3546	
680-117942-64	AOPSL501	Total/NA	Solid	3546	
680-117942-65	AOPSL601	Total/NA	Solid	3546	
680-117942-66	AOPSL701	Total/NA	Solid	3546	
LCS 680-407036/8-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407036/7-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 407636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	8270D DOD	407035
680-117942-53 MS	AOPSH301	Total/NA	Solid	8270D DOD	407035
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8270D DOD	407035
680-117942-62	AOPCL301	Total/NA	Solid	8270D DOD	407035
680-117942-63	AOPSL401	Total/NA	Solid	8270D DOD	407035
680-117942-64	AOPSL501	Total/NA	Solid	8270D DOD	407035
680-117942-65	AOPSL601	Total/NA	Solid	8270D DOD	407035
680-117942-66	AOPSL701	Total/NA	Solid	8270D DOD	407035

GC/MS Semi VOA (Continued)

Analysis Batch: 407636 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-406645/4-A	Lab Control Sample	Total/NA	Water	8270D DOD	406645
LCS 680-407035/8-A	Lab Control Sample	Total/NA	Solid	8270D DOD	407035
LCSD 680-406645/5-A	Lab Control Sample Dup	Total/NA	Water	8270D DOD	406645
MB 680-406645/3-A	Method Blank	Total/NA	Water	8270D DOD	406645
MB 680-407035/7-A	Method Blank	Total/NA	Solid	8270D DOD	407035

Prep Batch: 407772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53 - RE	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MS - RE	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MSD - RE	AOPSH301	Total/NA	Solid	3546	
680-117942-62 - RE	AOPCL301	Total/NA	Solid	3546	
680-117942-63 - RE	AOPSL401	Total/NA	Solid	3546	
680-117942-64 - RE	AOPSL501	Total/NA	Solid	3546	
680-117942-65 - RE	AOPSL601	Total/NA	Solid	3546	
680-117942-66 - RE	AOPSL701	Total/NA	Solid	3546	
LCS 680-407772/15-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407772/14-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 407777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	8270D DOD	407026
680-117942-44	AOPSM201	Total/NA	Solid	8270D DOD	407026
680-117942-45	AOPSL201	Total/NA	Solid	8270D DOD	407026
680-117942-46	AOPSN301	Total/NA	Solid	8270D DOD	407026
680-117942-47	AOPSM401	Total/NA	Solid	8270D DOD	407026
680-117942-48	AOPSN401	Total/NA	Solid	8270D DOD	407026
680-117942-49	AOPSM501	Total/NA	Solid	8270D DOD	407026
680-117942-54	AOPSH401	Total/NA	Solid	8270D DOD	407026
680-117942-57	AOPSJ201	Total/NA	Solid	8270D DOD	407026
680-117942-58	AOPSK201	Total/NA	Solid	8270D DOD	407026
680-117942-60	AOPSK501	Total/NA	Solid	8270D DOD	407026
680-117942-61	AOPSL301	Total/NA	Solid	8270D DOD	407026
LCS 680-407026/22-A	Lab Control Sample	Total/NA	Solid	8270D DOD	407026
MB 680-407026/21-A	Method Blank	Total/NA	Solid	8270D DOD	407026

Analysis Batch: 407779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8270D DOD	406645
680-117942-68	EB101415	Total/NA	Water	8270D DOD	406645

Analysis Batch: 407895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8270D	406642
680-117942-68	EB101415	Total/NA	Water	8270D	406642
LCS 680-406642/8-A	Lab Control Sample	Total/NA	Water	8270D	406642
MB 680-406642/7-A	Method Blank	Total/NA	Water	8270D	406642

Analysis Batch: 408042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43 - DL	AOPSM301	Total/NA	Solid	8270D DOD	407026

GC/MS Semi VOA (Continued)

Analysis Batch: 408042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43 MS	AOPSM301	Total/NA	Solid	8270D DOD	407026
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8270D DOD	407026
680-117942-44 - DL	AOPSM201	Total/NA	Solid	8270D DOD	407026
680-117942-50	AOPSE601	Total/NA	Solid	8270D DOD	407026
680-117942-51	AOPSF501	Total/NA	Solid	8270D DOD	407026
680-117942-52	AOPSF701	Total/NA	Solid	8270D DOD	407026
680-117942-55	AOPSH501	Total/NA	Solid	8270D DOD	407026
680-117942-56	AOPCH501	Total/NA	Solid	8270D DOD	407026
680-117942-59	AOPSK301	Total/NA	Solid	8270D DOD	407026

Analysis Batch: 408249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	8270D	407036
680-117942-53 MS	AOPSH301	Total/NA	Solid	8270D	407036
680-117942-53 MS - RE	AOPSH301	Total/NA	Solid	8270D	407772
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8270D	407036
680-117942-53 MSD - RE	AOPSH301	Total/NA	Solid	8270D	407772
680-117942-60	AOPSK501	Total/NA	Solid	8270D	407027
680-117942-61	AOPSL301	Total/NA	Solid	8270D	407027
680-117942-62	AOPCL301	Total/NA	Solid	8270D	407036
680-117942-63	AOPSL401	Total/NA	Solid	8270D	407036
680-117942-63 - RE	AOPSL401	Total/NA	Solid	8270D	407772
680-117942-64	AOPSL501	Total/NA	Solid	8270D	407036
680-117942-64 - RE	AOPSL501	Total/NA	Solid	8270D	407772
680-117942-65	AOPSL601	Total/NA	Solid	8270D	407036
680-117942-65 - RE	AOPSL601	Total/NA	Solid	8270D	407772
680-117942-66	AOPSL701	Total/NA	Solid	8270D	407036
680-117942-66 - RE	AOPSL701	Total/NA	Solid	8270D	407772
LCS 680-407036/8-A	Lab Control Sample	Total/NA	Solid	8270D	407036
LCS 680-407772/15-A	Lab Control Sample	Total/NA	Solid	8270D	407772
MB 680-407772/14-A	Method Blank	Total/NA	Solid	8270D	407772

Analysis Batch: 408457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8270D	407027
680-117942-43	AOPSM301	Total/NA	Solid	8270D	407027
680-117942-43 MS	AOPSM301	Total/NA	Solid	8270D	407027
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8270D	407027
680-117942-44	AOPSM201	Total/NA	Solid	8270D	407027
680-117942-45	AOPSL201	Total/NA	Solid	8270D	407027
680-117942-46	AOPSN301	Total/NA	Solid	8270D	407027
680-117942-47	AOPSM401	Total/NA	Solid	8270D	407027
680-117942-48	AOPSN401	Total/NA	Solid	8270D	407027
680-117942-49	AOPSM501	Total/NA	Solid	8270D	407027
680-117942-50	AOPSE601	Total/NA	Solid	8270D	407027
680-117942-51	AOPSF501	Total/NA	Solid	8270D	407027
680-117942-52	AOPSF701	Total/NA	Solid	8270D	407027
680-117942-55	AOPSH501	Total/NA	Solid	8270D	407027
680-117942-56	AOPCH501	Total/NA	Solid	8270D	407027
680-117942-57	AOPSJ201	Total/NA	Solid	8270D	407027
680-117942-58	AOPSK201	Total/NA	Solid	8270D	407027

GC/MS Semi VOA (Continued)

Analysis Batch: 408457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-59	AOPSK301	Total/NA	Solid	8270D	407027
LCS 680-407027/22-A	Lab Control Sample	Total/NA	Solid	8270D	407027
MB 680-407027/21-A	Method Blank	Total/NA	Solid	8270D	407027

Analysis Batch: 408743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53 - RE	AOPSH301	Total/NA	Solid	8270D	407772
680-117942-62 - RE	AOPCL301	Total/NA	Solid	8270D	407772

Prep Batch: 408781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42 - RE	AOPSK101	Total/NA	Solid	3546	
680-117942-43 - RE	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS - RE	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD - RE	AOPSM301	Total/NA	Solid	3546	
680-117942-44 - RE	AOPSM201	Total/NA	Solid	3546	
680-117942-45 - RE	AOPSL201	Total/NA	Solid	3546	
680-117942-46 - RE	AOPSN301	Total/NA	Solid	3546	
680-117942-47 - RE	AOPSM401	Total/NA	Solid	3546	
680-117942-48 - RE	AOPSN401	Total/NA	Solid	3546	
680-117942-49 - RE	AOPSM501	Total/NA	Solid	3546	
680-117942-50 - RE	AOPSE601	Total/NA	Solid	3546	
680-117942-51 - RE	AOPSF501	Total/NA	Solid	3546	
680-117942-52 - RE	AOPSF701	Total/NA	Solid	3546	
680-117942-54 - RE	AOPSH401	Total/NA	Solid	3546	
680-117942-55 - RE	AOPSH501	Total/NA	Solid	3546	
680-117942-56 - RE	AOPCH501	Total/NA	Solid	3546	
680-117942-57 - RE	AOPSJ201	Total/NA	Solid	3546	
680-117942-58 - RE	AOPSK201	Total/NA	Solid	3546	
680-117942-59 - RE	AOPSK301	Total/NA	Solid	3546	
LCS 680-408781/21-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-408781/20-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 408812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-407036/7-A	Method Blank	Total/NA	Solid	8270D	407036

Analysis Batch: 408998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42 - RE	AOPSK101	Total/NA	Solid	8270D	408781
680-117942-43 - RE	AOPSM301	Total/NA	Solid	8270D	408781
680-117942-43 MS - RE	AOPSM301	Total/NA	Solid	8270D	408781
680-117942-43 MSD - RE	AOPSM301	Total/NA	Solid	8270D	408781
680-117942-44 - RE	AOPSM201	Total/NA	Solid	8270D	408781
680-117942-45 - RE	AOPSL201	Total/NA	Solid	8270D	408781
680-117942-46 - RE	AOPSN301	Total/NA	Solid	8270D	408781
680-117942-47 - RE	AOPSM401	Total/NA	Solid	8270D	408781
680-117942-48 - RE	AOPSN401	Total/NA	Solid	8270D	408781
680-117942-49 - RE	AOPSM501	Total/NA	Solid	8270D	408781
680-117942-50 - RE	AOPSE601	Total/NA	Solid	8270D	408781
680-117942-51 - RE	AOPSF501	Total/NA	Solid	8270D	408781

GC/MS Semi VOA (Continued)

Analysis Batch: 408998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-52 - RE	AOPSF701	Total/NA	Solid	8270D	408781
680-117942-54 - RE	AOPSH401	Total/NA	Solid	8270D	408781
680-117942-55 - RE	AOPSH501	Total/NA	Solid	8270D	408781
680-117942-56 - RE	AOPCH501	Total/NA	Solid	8270D	408781
680-117942-57 - RE	AOPSJ201	Total/NA	Solid	8270D	408781
680-117942-58 - RE	AOPSK201	Total/NA	Solid	8270D	408781
680-117942-59 - RE	AOPSK301	Total/NA	Solid	8270D	408781
LCS 680-408781/21-A	Lab Control Sample	Total/NA	Solid	8270D	408781
MB 680-408781/20-A	Method Blank	Total/NA	Solid	8270D	408781

Analysis Batch: 409308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-54	AOPSH401	Total/NA	Solid	8270D	407027

Prep Batch: 409552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-60 - RE	AOPSK501	Total/NA	Solid	3546	
680-117942-61 - RE	AOPSL301	Total/NA	Solid	3546	
LCS 680-409552/13-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-409552/12-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 409802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-60 - RE	AOPSK501	Total/NA	Solid	8270D	409552
680-117942-61 - RE	AOPSL301	Total/NA	Solid	8270D	409552
LCS 680-409552/13-A	Lab Control Sample	Total/NA	Solid	8270D	409552
MB 680-409552/12-A	Method Blank	Total/NA	Solid	8270D	409552

GC VOA

Analysis Batch: 406550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8015C GRO	
680-117942-68	EB101415	Total/NA	Water	8015C GRO	
LCS 680-406550/4	Lab Control Sample	Total/NA	Water	8015C GRO	
LCSD 680-406550/5	Lab Control Sample Dup	Total/NA	Water	8015C GRO	
MB 680-406550/6	Method Blank	Total/NA	Water	8015C GRO	

GC Semi VOA

Prep Batch: 406517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8151A	
680-117942-68	EB101415	Total/NA	Water	8151A	
LCS 680-406517/17-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 680-406517/18-A	Lab Control Sample Dup	Total/NA	Water	8151A	
MB 680-406517/16-A	Method Blank	Total/NA	Water	8151A	

GC Semi VOA (Continued)

Prep Batch: 406647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	3520C	
680-117942-68	EB101415	Total/NA	Water	3520C	
LCS 680-406647/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-406647/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-406647/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-406647/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-406647/3-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 406648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	3520C	
680-117942-68	EB101415	Total/NA	Water	3520C	
LCS 680-406648/10-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-406648/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-406648/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-406648/8-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-406648/11-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-406648/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-406648/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-406648/9-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-406648/3-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 406882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8151A DOD	406517
680-117942-68	EB101415	Total/NA	Water	8151A DOD	406517
LCS 680-406517/17-A	Lab Control Sample	Total/NA	Water	8151A DOD	406517
LCSD 680-406517/18-A	Lab Control Sample Dup	Total/NA	Water	8151A DOD	406517
MB 680-406517/16-A	Method Blank	Total/NA	Water	8151A DOD	406517

Analysis Batch: 407179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8081B 8082A	406648
680-117942-68	EB101415	Total/NA	Water	8081B 8082A	406648
LCS 680-406648/10-A	Lab Control Sample	Total/NA	Water	8081B 8082A	406648
LCS 680-406648/4-A	Lab Control Sample	Total/NA	Water	8081B 8082A	406648
LCS 680-406648/6-A	Lab Control Sample	Total/NA	Water	8081B 8082A	406648
LCS 680-406648/8-A	Lab Control Sample	Total/NA	Water	8081B 8082A	406648
LCSD 680-406648/11-A	Lab Control Sample Dup	Total/NA	Water	8081B 8082A	406648
LCSD 680-406648/5-A	Lab Control Sample Dup	Total/NA	Water	8081B 8082A	406648
LCSD 680-406648/7-A	Lab Control Sample Dup	Total/NA	Water	8081B 8082A	406648
LCSD 680-406648/9-A	Lab Control Sample Dup	Total/NA	Water	8081B 8082A	406648
MB 680-406648/3-A	Method Blank	Total/NA	Water	8081B 8082A	406648

Analysis Batch: 408392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8015C DRO	406647
680-117942-68	EB101415	Total/NA	Water	8015C DRO	406647

GC Semi VOA (Continued)

Analysis Batch: 409284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-406647/4-A	Lab Control Sample	Total/NA	Water	8015C DRO	406647
LCS 680-406647/6-A	Lab Control Sample	Total/NA	Water	8015C DRO	406647
LCSD 680-406647/5-A	Lab Control Sample Dup	Total/NA	Water	8015C DRO	406647
LCSD 680-406647/7-A	Lab Control Sample Dup	Total/NA	Water	8015C DRO	406647
MB 680-406647/3-A	Method Blank	Total/NA	Water	8015C DRO	406647

Metals

Prep Batch: 202751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	3050B	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3050B	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3050B	
680-117942-44	AOPSM201	Total/NA	Solid	3050B	
680-117942-49	AOPSM501	Total/NA	Solid	3050B	
680-117942-54	AOPSH401	Total/NA	Solid	3050B	
LCS 240-202751/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-202751/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 202763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	7471B	
680-117942-43 MS	AOPSM301	Total/NA	Solid	7471B	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	7471B	
680-117942-44	AOPSM201	Total/NA	Solid	7471B	
680-117942-49	AOPSM501	Total/NA	Solid	7471B	
680-117942-54	AOPSH401	Total/NA	Solid	7471B	
LCS 240-202763/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-202763/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 202931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	3050B	
680-117942-45	AOPSL201	Total/NA	Solid	3050B	
680-117942-46	AOPSN301	Total/NA	Solid	3050B	
680-117942-47	AOPSM401	Total/NA	Solid	3050B	
680-117942-48	AOPSN401	Total/NA	Solid	3050B	
680-117942-50	AOPSE601	Total/NA	Solid	3050B	
680-117942-51	AOPSF501	Total/NA	Solid	3050B	
680-117942-52	AOPSF701	Total/NA	Solid	3050B	
680-117942-53	AOPSH301	Total/NA	Solid	3050B	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3050B	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3050B	
680-117942-55	AOPSH501	Total/NA	Solid	3050B	
680-117942-56	AOPCH501	Total/NA	Solid	3050B	
680-117942-57	AOPSJ201	Total/NA	Solid	3050B	
LCS 240-202931/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-202931/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 202937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	7471B	
680-117942-45	AOPSL201	Total/NA	Solid	7471B	
680-117942-46	AOPSN301	Total/NA	Solid	7471B	
680-117942-47	AOPSM401	Total/NA	Solid	7471B	
680-117942-48	AOPSN401	Total/NA	Solid	7471B	
680-117942-50	AOPSE601	Total/NA	Solid	7471B	
680-117942-51	AOPSF501	Total/NA	Solid	7471B	
680-117942-52	AOPSF701	Total/NA	Solid	7471B	
680-117942-53	AOPSH301	Total/NA	Solid	7471B	
680-117942-53 MS	AOPSH301	Total/NA	Solid	7471B	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	7471B	
680-117942-55	AOPSH501	Total/NA	Solid	7471B	
680-117942-56	AOPCH501	Total/NA	Solid	7471B	
680-117942-57	AOPSJ201	Total/NA	Solid	7471B	
LCS 240-202937/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-202937/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 202941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-58	AOPSK201	Total/NA	Solid	3050B	
680-117942-58 MS	AOPSK201	Total/NA	Solid	3050B	
680-117942-58 MSD	AOPSK201	Total/NA	Solid	3050B	
680-117942-59	AOPSK301	Total/NA	Solid	3050B	
680-117942-60	AOPSK501	Total/NA	Solid	3050B	
680-117942-61	AOPSL301	Total/NA	Solid	3050B	
680-117942-62	AOPCL301	Total/NA	Solid	3050B	
680-117942-63	AOPSL401	Total/NA	Solid	3050B	
680-117942-64	AOPSL501	Total/NA	Solid	3050B	
680-117942-65	AOPSL601	Total/NA	Solid	3050B	
680-117942-66	AOPSL701	Total/NA	Solid	3050B	

Prep Batch: 202954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-58	AOPSK201	Total/NA	Solid	7471B	
680-117942-58 MS	AOPSK201	Total/NA	Solid	7471B	
680-117942-58 MSD	AOPSK201	Total/NA	Solid	7471B	
680-117942-59	AOPSK301	Total/NA	Solid	7471B	
680-117942-60	AOPSK501	Total/NA	Solid	7471B	
680-117942-61	AOPSL301	Total/NA	Solid	7471B	
680-117942-62	AOPCL301	Total/NA	Solid	7471B	
680-117942-63	AOPSL401	Total/NA	Solid	7471B	
680-117942-64	AOPSL501	Total/NA	Solid	7471B	
680-117942-65	AOPSL601	Total/NA	Solid	7471B	
680-117942-66	AOPSL701	Total/NA	Solid	7471B	
LCS 240-202954/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-202954/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 203094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	7471B	202937
680-117942-45	AOPSL201	Total/NA	Solid	7471B	202937

Metals (Continued)

Analysis Batch: 203094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-46	AOPSN301	Total/NA	Solid	7471B	202937
680-117942-47	AOPSM401	Total/NA	Solid	7471B	202937
680-117942-48	AOPSN401	Total/NA	Solid	7471B	202937
680-117942-50	AOPSE601	Total/NA	Solid	7471B	202937
680-117942-51	AOPSF501	Total/NA	Solid	7471B	202937
680-117942-52	AOPSF701	Total/NA	Solid	7471B	202937
680-117942-53	AOPSH301	Total/NA	Solid	7471B	202937
680-117942-53 MS	AOPSH301	Total/NA	Solid	7471B	202937
680-117942-53 MSD	AOPSH301	Total/NA	Solid	7471B	202937
LCS 240-202937/2-A	Lab Control Sample	Total/NA	Solid	7471B	202937
MB 240-202937/1-A	Method Blank	Total/NA	Solid	7471B	202937

Analysis Batch: 203376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	6020A	202751
680-117942-43 MS	AOPSM301	Total/NA	Solid	6020A	202751
680-117942-43 MSD	AOPSM301	Total/NA	Solid	6020A	202751
680-117942-44	AOPSM201	Total/NA	Solid	6020A	202751
680-117942-49	AOPSM501	Total/NA	Solid	6020A	202751
680-117942-54	AOPSH401	Total/NA	Solid	6020A	202751

Analysis Batch: 203476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	7471B	202763
680-117942-43 MS	AOPSM301	Total/NA	Solid	7471B	202763
680-117942-43 MSD	AOPSM301	Total/NA	Solid	7471B	202763
680-117942-44	AOPSM201	Total/NA	Solid	7471B	202763
680-117942-49	AOPSM501	Total/NA	Solid	7471B	202763
680-117942-54	AOPSH401	Total/NA	Solid	7471B	202763
680-117942-55	AOPSH501	Total/NA	Solid	7471B	202937
680-117942-56	AOPCH501	Total/NA	Solid	7471B	202937
680-117942-57	AOPSJ201	Total/NA	Solid	7471B	202937
680-117942-58	AOPSK201	Total/NA	Solid	7471B	202954
680-117942-58 MS	AOPSK201	Total/NA	Solid	7471B	202954
680-117942-58 MSD	AOPSK201	Total/NA	Solid	7471B	202954
680-117942-59	AOPSK301	Total/NA	Solid	7471B	202954
680-117942-60	AOPSK501	Total/NA	Solid	7471B	202954
680-117942-61	AOPSL301	Total/NA	Solid	7471B	202954
680-117942-62	AOPCL301	Total/NA	Solid	7471B	202954
680-117942-63	AOPSL401	Total/NA	Solid	7471B	202954
680-117942-64	AOPSL501	Total/NA	Solid	7471B	202954
680-117942-65	AOPSL601	Total/NA	Solid	7471B	202954
680-117942-66	AOPSL701	Total/NA	Solid	7471B	202954
LCS 240-202763/2-A	Lab Control Sample	Total/NA	Solid	7471B	202763
LCS 240-202954/2-A	Lab Control Sample	Total/NA	Solid	7471B	202954
MB 240-202763/1-A	Method Blank	Total/NA	Solid	7471B	202763
MB 240-202954/1-A	Method Blank	Total/NA	Solid	7471B	202954

Analysis Batch: 203621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	6020A	202751

Metals (Continued)

Analysis Batch: 203621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43 MS	AOPSM301	Total/NA	Solid	6020A	202751
680-117942-43 MSD	AOPSM301	Total/NA	Solid	6020A	202751
680-117942-44	AOPSM201	Total/NA	Solid	6020A	202751
680-117942-49	AOPSM501	Total/NA	Solid	6020A	202751
680-117942-54	AOPSH401	Total/NA	Solid	6020A	202751
LCS 240-202751/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	202751
MB 240-202751/1-A ^2	Method Blank	Total/NA	Solid	6020A	202751

Analysis Batch: 204042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	6020A	202931
680-117942-42	AOPSK101	Total/NA	Solid	6020A	202931
680-117942-45	AOPSL201	Total/NA	Solid	6020A	202931
680-117942-45	AOPSL201	Total/NA	Solid	6020A	202931
680-117942-46	AOPSN301	Total/NA	Solid	6020A	202931
680-117942-46	AOPSN301	Total/NA	Solid	6020A	202931
680-117942-47	AOPSM401	Total/NA	Solid	6020A	202931
680-117942-47	AOPSM401	Total/NA	Solid	6020A	202931
680-117942-48	AOPSN401	Total/NA	Solid	6020A	202931
680-117942-48	AOPSN401	Total/NA	Solid	6020A	202931
680-117942-50	AOPSE601	Total/NA	Solid	6020A	202931
680-117942-50	AOPSE601	Total/NA	Solid	6020A	202931
680-117942-51	AOPSF501	Total/NA	Solid	6020A	202931
680-117942-51	AOPSF501	Total/NA	Solid	6020A	202931
680-117942-52	AOPSF701	Total/NA	Solid	6020A	202931
680-117942-52	AOPSF701	Total/NA	Solid	6020A	202931
680-117942-53	AOPSH301	Total/NA	Solid	6020A	202931
680-117942-53	AOPSH301	Total/NA	Solid	6020A	202931
680-117942-53 MS	AOPSH301	Total/NA	Solid	6020A	202931
680-117942-53 MS	AOPSH301	Total/NA	Solid	6020A	202931
680-117942-53 MSD	AOPSH301	Total/NA	Solid	6020A	202931
680-117942-53 MSD	AOPSH301	Total/NA	Solid	6020A	202931
680-117942-55	AOPSH501	Total/NA	Solid	6020A	202931
680-117942-55	AOPSH501	Total/NA	Solid	6020A	202931
680-117942-56	AOPCH501	Total/NA	Solid	6020A	202931
680-117942-56	AOPCH501	Total/NA	Solid	6020A	202931
680-117942-57	AOPSJ201	Total/NA	Solid	6020A	202931
680-117942-57	AOPSJ201	Total/NA	Solid	6020A	202931
680-117942-58	AOPSK201	Total/NA	Solid	6020A	202941
680-117942-58	AOPSK201	Total/NA	Solid	6020A	202941
680-117942-58 MS	AOPSK201	Total/NA	Solid	6020A	202941
680-117942-58 MS	AOPSK201	Total/NA	Solid	6020A	202941
680-117942-58 MSD	AOPSK201	Total/NA	Solid	6020A	202941
680-117942-58 MSD	AOPSK201	Total/NA	Solid	6020A	202941
680-117942-59	AOPSK301	Total/NA	Solid	6020A	202941
680-117942-59	AOPSK301	Total/NA	Solid	6020A	202941
680-117942-60	AOPSK501	Total/NA	Solid	6020A	202941
680-117942-60	AOPSK501	Total/NA	Solid	6020A	202941
680-117942-61	AOPSL301	Total/NA	Solid	6020A	202941
680-117942-61	AOPSL301	Total/NA	Solid	6020A	202941
680-117942-62	AOPCL301	Total/NA	Solid	6020A	202941

Metals (Continued)

Analysis Batch: 204042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-62	AOPCL301	Total/NA	Solid	6020A	202941
680-117942-63	AOPSL401	Total/NA	Solid	6020A	202941
680-117942-64	AOPSL501	Total/NA	Solid	6020A	202941
680-117942-65	AOPSL601	Total/NA	Solid	6020A	202941
680-117942-66	AOPSL701	Total/NA	Solid	6020A	202941
680-117942-66	AOPSL701	Total/NA	Solid	6020A	202941
LCS 240-202931/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	202931
MB 240-202931/1-A ^2	Method Blank	Total/NA	Solid	6020A	202931

General Chemistry

Analysis Batch: 406186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-43	AOPSM301	Total/NA	Solid	Moisture	
680-117942-43 MS	AOPSM301	Total/NA	Solid	Moisture	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	Moisture	
680-117942-44	AOPSM201	Total/NA	Solid	Moisture	
680-117942-49	AOPSM501	Total/NA	Solid	Moisture	
680-117942-53	AOPSH301	Total/NA	Solid	Moisture	
680-117942-53 MS	AOPSH301	Total/NA	Solid	Moisture	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	Moisture	
680-117942-54	AOPSH401	Total/NA	Solid	Moisture	

Analysis Batch: 406462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	Moisture	
680-117942-45	AOPSL201	Total/NA	Solid	Moisture	
680-117942-46	AOPSN301	Total/NA	Solid	Moisture	
680-117942-47	AOPSM401	Total/NA	Solid	Moisture	
680-117942-48	AOPSN401	Total/NA	Solid	Moisture	
680-117942-50	AOPSE601	Total/NA	Solid	Moisture	
680-117942-51	AOPSF501	Total/NA	Solid	Moisture	
680-117942-52	AOPSF701	Total/NA	Solid	Moisture	
680-117942-55	AOPSH501	Total/NA	Solid	Moisture	
680-117942-56	AOPCH501	Total/NA	Solid	Moisture	
680-117942-57	AOPSJ201	Total/NA	Solid	Moisture	
680-117942-58	AOPSK201	Total/NA	Solid	Moisture	
680-117942-59	AOPSK301	Total/NA	Solid	Moisture	
680-117942-60	AOPSK501	Total/NA	Solid	Moisture	
680-117942-61	AOPSL301	Total/NA	Solid	Moisture	
680-117942-62	AOPCL301	Total/NA	Solid	Moisture	
680-117942-63	AOPSL401	Total/NA	Solid	Moisture	
680-117942-64	AOPSL501	Total/NA	Solid	Moisture	
680-117942-65	AOPSL601	Total/NA	Solid	Moisture	
680-117942-66	AOPSL701	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSK101
Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSK101
Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.06 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.06 g	1 mL	408457	11/01/15 19:19	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.43 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.43 g	1 mL	408998	11/04/15 18:30	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3050B			1.27 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.27 g	100 mL	204042	10/27/15 13:01	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.27 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.27 g	100 mL	204042	10/27/15 16:20	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.65 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.65 g	100 mL	203094	10/22/15 10:07	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSM301
Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM301
Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.17 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.17 g	1 mL	408457	11/01/15 19:44	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.94 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.94 g	1 mL	408998	11/04/15 18:53	CAR	TAL SAV
	Instrument ID: CMSG									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSM301

Lab Sample ID: 680-117942-43

Date Collected: 10/12/15 14:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.13 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.13 g	1 mL	407777	10/28/15 16:07	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3546	DL		6.13 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD	DL	5	6.13 g	1 mL	408042	10/29/15 17:17	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.15 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.15 g	100 mL	203376	10/22/15 19:31	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.15 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.15 g	100 mL	203621	10/24/15 17:08	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.55 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.55 g	100 mL	203476	10/23/15 16:50	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSM201

Lab Sample ID: 680-117942-44

Date Collected: 10/12/15 13:58
Matrix: Solid
Date Received: 10/16/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM201

Lab Sample ID: 680-117942-44

Date Collected: 10/12/15 13:58
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.25 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.25 g	1 mL	408457	11/01/15 20:08	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.97 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.97 g	1 mL	408998	11/04/15 19:18	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.14 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.14 g	1 mL	407777	10/28/15 22:18	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3546	DL		6.14 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD	DL	20	6.14 g	1 mL	408042	10/29/15 18:07	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.22 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.22 g	100 mL	203376	10/22/15 20:43	AS1	TAL CAN
	Instrument ID: I10									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.22 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.22 g	100 mL	203621	10/24/15 18:19	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.58 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.58 g	100 mL	203476	10/23/15 17:33	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.30 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.30 g	1 mL	408457	11/01/15 20:32	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.04 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.04 g	1 mL	408998	11/04/15 19:42	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.93 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.93 g	1 mL	407777	10/28/15 17:22	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.20 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	204042	10/27/15 13:04	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.20 g	100 mL	204042	10/27/15 16:23	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.56 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.56 g	100 mL	203094	10/22/15 10:08	WAL	TAL CAN
	Instrument ID: H1									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSN301
Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSN301
Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.37 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.37 g	1 mL	408457	11/01/15 20:56	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.85 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.85 g	1 mL	408998	11/04/15 20:07	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.88 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.88 g	1 mL	407777	10/28/15 16:32	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.07 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.07 g	100 mL	204042	10/27/15 13:15	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.07 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.07 g	100 mL	204042	10/27/15 16:34	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.59 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.59 g	100 mL	203094	10/22/15 10:10	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSM401
Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM401
Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.08 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.08 g	1 mL	408457	11/01/15 21:21	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.09 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D	RE	1	6.09 g	1 mL	408998	11/04/15 20:31	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.83 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.83 g	1 mL	407777	10/28/15 18:12	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.04 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.04 g	100 mL	204042	10/27/15 13:19	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.04 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.04 g	100 mL	204042	10/27/15 16:38	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.61 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.61 g	100 mL	203094	10/22/15 10:11	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.15 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.15 g	1 mL	408457	11/01/15 21:45	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.78 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.78 g	1 mL	408998	11/04/15 20:56	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.25 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.25 g	1 mL	407777	10/28/15 20:15	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.31 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.31 g	100 mL	204042	10/27/15 13:22	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.31 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.31 g	100 mL	204042	10/27/15 16:41	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.54 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.54 g	100 mL	203094	10/22/15 10:13	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.28 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.28 g	1 mL	408457	11/01/15 22:09	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.93 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.93 g	1 mL	408998	11/04/15 21:20	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.01 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.01 g	1 mL	407777	10/28/15 19:01	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.36 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.36 g	100 mL	203376	10/22/15 20:46	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.36 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.36 g	100 mL	203621	10/24/15 18:23	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203476	10/23/15 17:37	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.12 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.12 g	1 mL	408457	11/01/15 22:33	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.14 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.14 g	1 mL	408998	11/04/15 21:45	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.08 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.08 g	1 mL	408042	10/29/15 18:56	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.14 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.14 g	100 mL	204042	10/27/15 13:26	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.14 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		100	1.14 g	100 mL	204042	10/27/15 16:45	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.69 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.69 g	100 mL	203094	10/22/15 10:14	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.18 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.18 g	1 mL	408457	11/01/15 22:58	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.30 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.30 g	1 mL	408998	11/04/15 22:09	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.78 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.78 g	1 mL	408042	10/29/15 19:21	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.18 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.18 g	100 mL	204042	10/27/15 13:30	AS1	TAL CAN
	Instrument ID: I10									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.18 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		100	1.18 g	100 mL	204042	10/27/15 16:48	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.63 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.63 g	100 mL	203094	10/22/15 10:16	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52

Matrix: Solid
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.12 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.12 g	1 mL	408457	11/01/15 23:22	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.42 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.42 g	1 mL	408998	11/04/15 22:32	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.96 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.96 g	1 mL	408042	10/29/15 19:46	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.34 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.34 g	100 mL	204042	10/27/15 13:33	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.34 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.34 g	100 mL	204042	10/27/15 16:52	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.62 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.62 g	100 mL	203094	10/22/15 10:18	WAL	TAL CAN
	Instrument ID: H1									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSH301
Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSH301
Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53
Matrix: Solid
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.03 g	1 mL	407036	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.03 g	1 mL	408249	10/30/15 13:38	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.02 g	1 mL	407772	10/28/15 15:25	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.02 g	1 mL	408743	11/03/15 19:28	CAR	TAL SAV
	Instrument ID: CMST									
Total/NA	Prep	3546			6.00 g	1 mL	407035	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.00 g	1 mL	407636	10/27/15 18:15	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.36 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.36 g	100 mL	204042	10/27/15 12:01	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.36 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.36 g	100 mL	204042	10/27/15 15:26	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.54 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.54 g	100 mL	203094	10/22/15 09:47	WAL	TAL CAN
	Instrument ID: H1									

Client Sample ID: AOPSH401
Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406186	10/17/15 10:17	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSH401
Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54
Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RE		5.70 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.70 g	1 mL	408998	11/04/15 23:21	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.09 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSH401

Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54

Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	6.09 g	1 mL	409308	11/06/15 14:36	CAR	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			5.77 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.77 g	1 mL	407777	10/28/15 19:26	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.18 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.18 g	100 mL	203376	10/22/15 20:57	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.18 g	100 mL	202751	10/20/15 12:37	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.18 g	100 mL	203621	10/24/15 18:33	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.61 g	100 mL	202763	10/20/15 16:20	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.61 g	100 mL	203476	10/23/15 17:39	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-55

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-55

Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.21 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.21 g	1 mL	408457	11/02/15 00:11	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.60 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.60 g	1 mL	408998	11/04/15 23:45	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.00 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.00 g	1 mL	408042	10/29/15 20:10	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.13 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.13 g	100 mL	204042	10/27/15 13:37	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.13 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		100	1.13 g	100 mL	204042	10/27/15 16:56	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.52 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-55

Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.52 g	100 mL	203476	10/23/15 16:00	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPCH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-56

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPCH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-56

Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.22 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.22 g	1 mL	408457	11/02/15 00:36	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.95 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.95 g	1 mL	408998	11/05/15 00:09	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.81 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	5.81 g	1 mL	408042	10/29/15 20:35	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.20 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	204042	10/27/15 13:40	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		100	1.20 g	100 mL	204042	10/27/15 16:59	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.59 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.59 g	100 mL	203476	10/23/15 16:02	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSJ201

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSJ201

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57

Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.31 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.31 g	1 mL	408457	11/02/15 00:59	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.41 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.41 g	1 mL	408998	11/05/15 00:34	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.83 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.83 g	1 mL	407777	10/28/15 18:36	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.03 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.03 g	100 mL	204042	10/27/15 13:44	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.03 g	100 mL	202931	10/21/15 11:12	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.03 g	100 mL	204042	10/27/15 17:03	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202937	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203476	10/23/15 16:04	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.07 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.07 g	1 mL	408457	11/02/15 01:24	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.78 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.78 g	1 mL	408998	11/05/15 00:59	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			5.90 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.90 g	1 mL	407777	10/28/15 16:57	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.16 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.16 g	100 mL	204042	10/27/15 14:29	AS1	TAL CAN
	Instrument ID: I10									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.16 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		50	1.16 g	100 mL	204042	10/27/15 17:14	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.55 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.55 g	100 mL	203476	10/23/15 16:13	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.48 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.48 g	1 mL	408457	11/02/15 01:48	JEM	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.82 g	1 mL	408781	11/03/15 16:47	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.82 g	1 mL	408998	11/05/15 01:23	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.15 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.15 g	1 mL	408042	10/29/15 20:59	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.02 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.02 g	100 mL	204042	10/27/15 14:50	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.02 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.02 g	100 mL	204042	10/27/15 17:31	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.58 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.58 g	100 mL	203476	10/23/15 16:26	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.40 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.40 g	1 mL	408249	10/30/15 18:31	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.15 g	1 mL	409552	11/09/15 15:06	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.15 g	1 mL	409802	11/10/15 22:23	CAR	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			6.20 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		5	6.20 g	1 mL	407777	10/28/15 20:39	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.01 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.01 g	100 mL	204042	10/27/15 14:53	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.01 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.01 g	100 mL	204042	10/27/15 17:35	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.65 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.65 g	100 mL	203476	10/23/15 16:23	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.11 g	1 mL	407027	10/24/15 08:26	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.11 g	1 mL	408249	10/30/15 18:55	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.93 g	1 mL	409552	11/09/15 15:06	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D	RE	1	5.93 g	1 mL	409802	11/10/15 22:46	CAR	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3546			5.94 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.94 g	1 mL	407777	10/28/15 17:47	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.08 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.08 g	100 mL	204042	10/27/15 14:57	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.08 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.08 g	100 mL	204042	10/27/15 17:39	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.55 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.55 g	100 mL	203476	10/23/15 16:24	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.01 g	1 mL	407036	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.01 g	1 mL	408249	10/30/15 14:03	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.32 g	1 mL	407772	10/28/15 15:25	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.32 g	1 mL	408743	11/03/15 19:54	CAR	TAL SAV
	Instrument ID: CMST									
Total/NA	Prep	3546			6.06 g	1 mL	407035	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.06 g	1 mL	407636	10/27/15 21:58	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.20 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	204042	10/27/15 15:08	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.20 g	100 mL	204042	10/27/15 17:42	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.57 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.57 g	100 mL	203476	10/23/15 16:32	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.05 g	1 mL	407036	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.05 g	1 mL	408249	10/30/15 14:27	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.64 g	1 mL	407772	10/28/15 15:25	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.64 g	1 mL	408249	10/30/15 16:53	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.06 g	1 mL	407035	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.06 g	1 mL	407636	10/27/15 21:33	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.10 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.10 g	100 mL	204042	10/27/15 15:11	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.53 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.53 g	100 mL	203476	10/23/15 16:28	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.02 g	1 mL	407036	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.02 g	1 mL	408249	10/30/15 14:51	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.04 g	1 mL	407772	10/28/15 15:25	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.04 g	1 mL	408249	10/30/15 17:17	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.10 g	1 mL	407035	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.10 g	1 mL	407636	10/27/15 19:05	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.15 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.15 g	100 mL	204042	10/27/15 15:15	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.62 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.62 g	100 mL	203476	10/23/15 16:30	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.08 g	1 mL	407036	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.08 g	1 mL	408249	10/30/15 15:16	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		5.90 g	1 mL	407772	10/28/15 15:25	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	5.90 g	1 mL	408249	10/30/15 17:42	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.01 g	1 mL	407035	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.01 g	1 mL	407636	10/27/15 18:40	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.15 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.15 g	100 mL	204042	10/27/15 15:19	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.52 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.52 g	100 mL	203476	10/23/15 16:37	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			406462	10/20/15 11:28	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			6.25 g	1 mL	407036	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D		1	6.25 g	1 mL	408249	10/30/15 15:41	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546	RE		6.04 g	1 mL	407772	10/28/15 15:25	JMV	TAL SAV
Total/NA	Analysis	8270D	RE	1	6.04 g	1 mL	408249	10/30/15 18:07	CAR	TAL SAV
	Instrument ID: CMSG									
Total/NA	Prep	3546			6.19 g	1 mL	407035	10/23/15 12:45	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	6.19 g	1 mL	407636	10/27/15 19:54	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.20 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		10	1.20 g	100 mL	204042	10/27/15 15:22	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	3050B			1.20 g	100 mL	202941	10/21/15 12:46	DEE	TAL CAN
Total/NA	Analysis	6020A		20	1.20 g	100 mL	204042	10/27/15 17:46	AS1	TAL CAN
	Instrument ID: I10									
Total/NA	Prep	7471B			0.54 g	100 mL	202954	10/21/15 15:50	DEE	TAL CAN
Total/NA	Analysis	7471B		1	0.54 g	100 mL	203476	10/23/15 16:33	WAL	TAL CAN
	Instrument ID: H4									

Client Sample ID: FB101415

Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			948.5 mL	1.0 mL	406642	10/21/15 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D		1	948.5 mL	1.0 mL	407895	10/28/15 20:45	CAR	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3520C			932.4 mL	1.0 mL	406645	10/21/15 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D DOD		1	932.4 mL	1.0 mL	407779	10/28/15 11:43	NED	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Analysis	8015C GRO		1	5 mL	5 mL	406550	10/20/15 19:08	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3520C			923.8 mL	1.0 mL	406647	10/21/15 15:55	RBS	TAL SAV
Total/NA	Analysis	8015C DRO		1	923.8 mL	1.0 mL	408392	10/31/15 17:26	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3520C			941.4 mL	10 mL	406648	10/21/15 15:55	RBS	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Client Sample ID: FB101415

Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B 8082A		1	941.4 mL	10 mL	407179	10/23/15 17:40	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	8151A			1021.9 mL	10 mL	406517	10/20/15 13:09	JDS	TAL SAV
Total/NA	Analysis	8151A DOD		1	1021.9 mL	10 mL	406882	10/22/15 17:52	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: EB101415

Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			916.6 mL	1.0 mL	406642	10/21/15 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D		1	916.6 mL	1.0 mL	407895	10/28/15 21:08	CAR	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3520C			967.4 mL	1.0 mL	406645	10/21/15 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D DOD		1	967.4 mL	1.0 mL	407779	10/28/15 12:08	NED	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Analysis	8015C GRO		1	5 mL	5 mL	406550	10/20/15 19:35	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3520C			966.5 mL	1.0 mL	406647	10/21/15 15:55	RBS	TAL SAV
Total/NA	Analysis	8015C DRO		1	966.5 mL	1.0 mL	408392	10/31/15 17:41	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3520C			946.6 mL	10 mL	406648	10/21/15 15:55	RBS	TAL SAV
Total/NA	Analysis	8081B 8082A		1	946.6 mL	10 mL	407179	10/23/15 17:56	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	8151A			1041.5 mL	10 mL	406517	10/20/15 13:09	JDS	TAL SAV
Total/NA	Analysis	8151A DOD		1	1041.5 mL	10 mL	406882	10/22/15 18:10	JCK	TAL SAV
	Instrument ID: CSGS									

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 1 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase SI

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST 8141	METALS, TCL	GRO	PESTS/PCBS	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSE201	E2	10-10-15	1800	SO	N	N	4	1	1	1			1						
	AOPSF201	F2	10-10-15	1730	SO	N	N	4	1	1	1			1						
	AOPSD301	D3	10-10-15	1815	SO	N	N	4	1	1	1			1						
	AOPSE301	E3	10-10-15	1715	SO	N	N	4	1	1	1			1						
	AOPSE501	E5	10-10-15	1630	SO	N	N	4	1	1	1			1						
	AOPCF101	F1	10-10-15	1745	SO	FD	N	4	1	1	1			1						
	AOPSC401	C4	10-10-15	1530	SO	N	N	4	1	1	1			1						
	AOPSF101	F1	10-10-15	1745	SO	N	N	4	1	1	1			1						
	AOPSD501	D5	10-10-15	1600	SO	N	N	4	1	1	1			1						
	AOPSD401	D4	10-10-15	1500	SO	N	N	4	1	1	1			1						
	AOPSC701	C7	10-11-15	1120	SO	~~FD~~ N	N	4	1	1	1			1						
	AOPSC801	C8	10-11-15	1140	SO	N	N	4	1	1	1			1						

680-117942 Chain of Custody

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Brantley	10/14/15	21:00	1 M. Valdez Ito	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 2 of 6

Project Name: Site Investigation | PO No. | Project No. 085881781G Phase 51

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard | (3)→

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	OPPEST 8141	TAL METALS	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSG701	G7	10.11.15	1740	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG1001	G1	10.11.15	1700	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG901	G9	10.11.15	1710	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD801	D8	10.11.15	1540	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD701	D7	10.11.15	1600	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD1001	D10	10.11.15	1520	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG601	G6	10.11.15	1750	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSF1001	F10	10.11.15	1630	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG801	G8	10.11.15	1720	SO	N	N	4	1	1	1	~	~	1	~					
	AOPCC901	C9	10.11.15	1445	SO	FD	N	4	1	1	1	~	~	1	~					
	AOPSC901	C9	10.11.15	1445	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSE401	E4	10.10.15	1700	SO	N	N	4	1	1	1	~	~	1	~					

***Field* Comments:** 2.6/3.0 3.0/3.4

***Lab* Comments:** 3.6/4.0 3.0/4.4 3.0/2.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Bradley	10/14/15		1 [illegible]	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No ~~✓~~ 4°C ID 10/16/15

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 3 of 6

Project Name: Site Investigation

PO No.

Project No. 08888 17816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST8141	METALS, TAL	GRO	PCBS/PESTICIDES	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSB701	B7	10-11-15	1100	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSD901	D9	10-11-15	1200	SO	N	N	12	3	3	3	↓	↓	3	↓	↓			X	
	AOPSA601	A6	10-11-15	1045	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSB501	B5	10-11-15	1015	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSM601	M6	10/12/15	1145	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM801	M8	10/12/15	1125	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPCM801	M8	10/12/15	1125	SO	FD	N	4	1	1	1	←	←	1	→	→				
	AOPSM701	M7	10/12/15	1150	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL801	L8	10/12/15	1120	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSJ1001	J10	10/12/15	1020	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM1001	M10	10/12/15	1040	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL901	L9	10/12/15	1100	SO	N	N	4	1	1	1	←	←	1	→	→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ken Brantley	10/14/15	2100	1 M. Wilkinson	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 4 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OP Pest 8141 10/16/15	Metals, TAL	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	Herbicides			Extra Volume for MS/MSD	HOLD
	AOP SK1001	K10	10/12/15	1000	SO	N	N	4	1	1	1	←		1		→				
	AOP CK1001	K10	10/12/15	1000	SO	FD	N	4	1	1	1	←		1		→				
	AOP SK901	K9	10/12/15	1005	SO	N	N	4	1	1	1	←		1		→				
	AOP SM901	M9	10/12/15	1105	SO	N	N	4	1	1	1	←		1		→				
	AOP SL1001	L10	10/12/15	1020	SO	N	N	4	1	1	1	←		1		→				
	AOP SK101	K1	10/12/15	1428	SO	N	N	4	1	1	1	←		1		→				
	AOP SM301	M3	10/12/15	1400	SO	N	N	12	3	3	3	←		3		→			X	
	AOP SM201	M2	10/12/15	1358	SO	N	N	4	1	1	1	←		1		→				
	AOP SL201	L2	10/12/15	1425	SO	N	N	4	1	1	1	←		1		→				
	AOP SN301	N3	10/12/15	1355	SO	N	N	4	1	1	1	←		1		→				
	AOP SM401	M4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				
	AOP SN401	N4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	10/14/15	2100	1 [signature]	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes____ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 5 of 6

Project Name: SITE Investigation | PO No. | Project No: 68888176 Phase SI

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 1DAY PRELIM 14DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OP PEST	METALS, TAL	GRO	PEST/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSM501	M5	10.12.15	1335	SO	N	N	4	1	1	1	←		1	→					
	AOPSE601	E6	10.12.15	1707	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF501	F5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF701	F7	10.12.15	1646	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSH301	H3	10.12.15	1700	SO	N	N	12	3	3	3	←		3	→				X	
	AOPSH401	H4	10.12.5	1715	SO	N	N	4	1	1	1	←		1	→					
	AOPSH501	H5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→					
	AOPCH501	H5	10.12.15	1720	SO	FD	N	4	1	1	1	←		1	→					
	AOPSJ201	J2	10.12.15	1520	SO	N	N	4	1	1	1	←		1	→					
	AOPSK201	K2	10.12.15	1457	SO	N	N	4	1	1	1	←		1	→					
	AOPSK301	K3	10.12.15	1505	SO	N	N	4	1	1	1	←		1	→					

Field **Comments:**
*Sample contains asphalt 2.6/3.0

Lab **Comments:**
3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Sample Shipment and Delivery Details
Number of coolers in shipment:
Samples Iced?(check) Yes____ No____
Method of Shipment:
Airbill No:
Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ben Brantley	10/14/15	2100	michelle hatto	10/16/15	0945
2				680-117942		
3						

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water
(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk
(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 6 of 6

Project Name: SITE Investigation | PO No. | Project No. 080881781.16 Phase SI

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. | RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7-DAY PRELIM 14-DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	(3)→	OP PEST	METALS, TAL	GRO	PESTS/PCBs	SVOC, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSK501	K5	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL301	L3	10-12-15	1500	SO	N	N	4		1	1	1	←		1	→					
	AOPCL301	L3	10-12-15	1500	SO	FD	N	4		1	1	1	←		1	→					
	AOPSL401	L4	10-12-15	1520	SO	N	N	4		1	1	1	←		1	→					
	AOPSL501	L5	10-12-15	1608	SO	N	N	4		1	1	1	←		1	→					
	AOPSL601	L6	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL701	L7	10-12-15	1615	SO	N	N	4		1	1	1	←		1	→					
	FB 101415	—	10/14/15	1335	SQ	FB	N	9		1	Ø	3	1	1	1	1	1				
	EB101415	—	10/14/15	1345	SQ	EB	N	9		1	Ø	3	1	1	1	1	1				

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 2.0/3.4 2.8/3.2 3.0/3.4

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	10/14/15	2100	1	10/16/15	09:45
2			2 (680-11794)		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-3
SDG Number: GTM03

Login Number: 117942
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-3
SDG: GTM03

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-15
Illinois	NELAP	5	200004	07-31-16
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-26-16
Kentucky (WW)	State Program	4	98016	12-31-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-15
Nevada	State Program	9	OH-000482008A	07-31-16
New Jersey	NELAP	2	OH001	11-30-15 *
New York	NELAP	2	10975	03-31-16
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-16
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-16
West Virginia DEP	State Program	3	210	12-31-15
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117942-4
TestAmerica Sample Delivery Group: GTM04
Client Project/Site: GTMO, Cuba / Site Investigation
Revision: 1

For:
Earth Toxics, Inc
PO BOX 3382
Logan, Utah 84321

Attn: Mike Dryden

Authorized for release by:
11/19/2015 4:52:16 PM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-117942-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO, Cuba / Site Investigation

Report Number: 680-117942-4

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/16/2015, 10/17/2015 and 10/18/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 3.0º C, 3.2º C, 3.4º C, 3.4º C, 4.0º C and 4.4º C.

Receipt Exceptions:
Sample volumes were received over a 2 day period due to a Federal Express delay, sample volumes were received on Friday 10/16/15 and Saturday 10/17/15.

Note: Report revised 11/19/15 to modify case narrative.

GASOLINE RANGE ORGANICS (GRO)

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for Gasoline Range Organics (GRO) in accordance with EPA SW-846 Method 8015C. The samples were analyzed on 10/24/2015, 10/25/2015, 10/27/2015 and 10/29/2015.

a,a,a-Trifluorotoluene exceeded the surrogate recovery criteria high for AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSG701 (680-117942-13), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19), AOPSF201 (680-117942-2), AOPSF1001 (680-117942-20), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), 680-117942-A-26-B MS, 680-117942-A-26-C MSD.

Reanalysis of the following samples was performed outside of the analytical holding time. These samples were on hold as stipulated by the client. Insufficient time remained for re-analysis in hold.AOPSD1001 (680-117942-18).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 680-407241 and 680-407252 and analytical batch 680-407239.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 680-407700 and analytical batch 680-407669.

The following samples were activated by the client with less than 2 days remaining on the holding time. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8) and AOPSD401 (680-117942-10).

Internal standard responses were outside of acceptance limits for the following sample: AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7),

Job ID: 680-117942-4 (Continued)

Laboratory: TestAmerica Savannah (Continued)

AOPSF101 (680-117942-8), AOPSD401 (680-117942-10) and AOPSD1001 (680-117942-18). While the samples show no overt evidence of matrix interference, re-analysis will be performed at a 5X dilution due chronic ISTD response failures when analyzed straight.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-1 through 680-117942-20 were analyzed at 30 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 5ml final volume to be achieved.

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for Diesel Range Organics (DRO) in accordance with EPA SW-846 Method 8015C. The samples were prepared on 10/20/2015 and analyzed on 10/27/2015 and 10/31/2015.

Samples AOPSE201 (680-117942-1)[10X], AOPSF201 (680-117942-2)[10X], AOPSD301 (680-117942-3)[10X], AOPSE301 (680-117942-4)[10X], AOPSE501 (680-117942-5)[10X], AOPCF101 (680-117942-6)[10X], AOPSC401 (680-117942-7)[10X], AOPSF101 (680-117942-8)[10X], AOPSD501 (680-117942-9)[10X], AOPSD401 (680-117942-10)[10X], AOPSC701 (680-117942-11)[10X], AOPSC801 (680-117942-12)[10X], AOPSG701 (680-117942-13)[10X], AOPSG1001 (680-117942-14)[10X], AOPSG901 (680-117942-15)[10X], AOPSD801 (680-117942-16)[10X], AOPSD701 (680-117942-17)[10X], AOPSD1001 (680-117942-18)[10X], AOPSG601 (680-117942-19)[10X] and AOPSF1001 (680-117942-20)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. As such, surrogate recovery for o-terphenyl was diluted below quantitation limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-1 through 680-117942-20 were analyzed at 15 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 10 mls final volume to be achieved.

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 8081B/8082A. The samples were prepared on 10/20/2015 and analyzed on 10/23/2015.

Samples AOPSE201 (680-117942-1)[25X], AOPSF201 (680-117942-2)[50X], AOPSD301 (680-117942-3)[50X], AOPSE301 (680-117942-4)[25X], AOPSE501 (680-117942-5)[50X], AOPCF101 (680-117942-6)[50X], AOPSC401 (680-117942-7)[25X], AOPSF101 (680-117942-8)[50X], AOPSD501 (680-117942-9)[25X], AOPSD401 (680-117942-10)[25X], AOPSC701 (680-117942-11)[25X], AOPSC801 (680-117942-12)[25X], AOPSG701 (680-117942-13)[50X], AOPSG1001 (680-117942-14)[25X], AOPSG901 (680-117942-15)[25X], AOPSD801 (680-117942-16)[25X], AOPSD701 (680-117942-17)[25X], AOPSD1001 (680-117942-18)[50X], AOPSG601 (680-117942-19)[50X] and AOPSF1001 (680-117942-20)[25X] required additional dilution prior to analysis. The reporting limits have been adjusted accordingly. As such, surrogate recovery for DCB Decachlorobiphenyl and Tetrachloro-m-xylene was diluted below quantitation limits.

Job ID: 680-117942-4 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The continuing calibration verification (CCV) associated with batch 680-407184 recovered outside of control limits for Kepone. This analyte is a known poor performed by this method; therefore, the data have been qualified and reported. The following samples are impacted: AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), (CCV 680-407184/33), (CCV 680-407184/6), (680-117942-D-8-C MS) and (680-117942-D-8-D MSD).

The continuing calibration verification (CCV) associated with batch 680-407226 recovered outside of control limits for Kepone. This analyte is a known poor performed by this method; therefore, the data have been qualified and reported. The following samples are impacted: AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19), AOPSF1001 (680-117942-20), (CCV 680-407226/33) and (CCV 680-407226/49).

Data reported for this dual column/detector method is reported in accordance with the laboratory SOP SA-QA-008 which states: The default procedure given in this SOP instructs the analyst to report the highest result when the %RPD <=40% and to report the lowest result when the %RPD exceeds 40%. This guidance uses RPD to determine if matrix interference is present. If the RPD is <=40%, the results between the two columns are essentially the same, and no matrix interference is deemed present. If the RPD exceeds 40%, matrix interference is most likely present, and the lower result is reported as the default. This guidance does not prohibit reporting the higher result when the %RPD exceeds 40; however, this guidance is intended to preclude reporting clearly unreasonable data. It is this laboratory's experience that a majority of matrix interferences are positive and that reporting the lower of the two results is reasonable when the %RPD exceeds 40.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ORGANOPHOSPHORUS PESTICIDES

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 30gm for 8141. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3540) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8141A. The samples were prepared on 10/24/2015 and analyzed on 10/27/2015, 10/28/2015, 10/29/2015 and 11/05/2015.

Several analytes exceeded the recovery criteria low for the MS and MSD of sample AOPSD701 (680-117942-17) in batch 280-301497. Several analytes exceeded the RPD limit.

Samples AOPSE201 (680-117942-1)[10X], AOPSE201 (680-117942-1)[100X], AOPSF201 (680-117942-2)[10X], AOPSF201 (680-117942-2)[100X], AOPSD301 (680-117942-3)[10X], AOPSD301 (680-117942-3)[100X], AOPSE301 (680-117942-4)[10X], AOPSE301 (680-117942-4)[100X], AOPSE501 (680-117942-5)[10X], AOPSE501 (680-117942-5)[100X], AOPCF101 (680-117942-6)[10X], AOPCF101 (680-117942-6)[100X], AOPSC401 (680-117942-7)[10X], AOPSC401 (680-117942-7)[100X], AOPSF101 (680-117942-8)[10X], AOPSF101 (680-117942-8)[100X], AOPSD501 (680-117942-9)[10X], AOPSD501 (680-117942-9)[100X], AOPSD401 (680-117942-10)[10X], AOPSD401 (680-117942-10)[100X], AOPSC701 (680-117942-11)[10X], AOPSC701 (680-117942-11)[100X], AOPSC801 (680-117942-12)[10X], AOPSC801 (680-117942-12)[100X], AOPSG701 (680-117942-13)[10X], AOPSG701 (680-117942-13)[100X], AOPSG1001 (680-117942-14)[10X], AOPSG1001 (680-117942-14)[100X], AOPSG901 (680-117942-15)[10X], AOPSG901 (680-117942-15)[100X], AOPSD801 (680-117942-16)[10X], AOPSD801 (680-117942-16)[100X], AOPSD701 (680-117942-17)[10X], AOPSD701 (680-117942-17)[100X], AOPSD1001 (680-117942-18)[10X], AOPSD1001 (680-117942-18)[100X], AOPSG601 (680-117942-19)[10X], AOPSG601 (680-117942-19)[100X], AOPSF1001 (680-117942-20)[10X] and AOPSF1001 (680-117942-20)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Instrument D2 was calibrated 10-26-2015. At this time, naled and internal standard tributyl phosphate were separating. After running samples from job 680-117942, these peaks began to co-elute on the primary column. Due to this extra area in the internal standard peak

Job ID: 680-117942-4 (Continued)

Laboratory: TestAmerica Savannah (Continued)

analyte results calculated using tributyl phosphate are biased low on the primary column. Due to the ISTD being biased high, the CCV compounds associated with this ISTD all fail low on the primary column for each of the bracketing CCVs.
The reported samples are ND for all target compounds. Phosmet, EPN, and for some samples, azinphos methyl, are reported from the primary column and are calculated using the other internal standard TOCP. All other analytes are reported from the confirmation column. The CCVs were in control on the primary column for the compounds reported from the primary column: phosmet, EPN, and axinphos methyl.
8141 / A-301302, 301497 / P-300944

The continuing calibration verification (CCV) associated with batch 280-301302 recovered above the upper control limit for dichlorvos. The samples associated with this CCV were non-detects for the affected analytes and we have a variance that allows us to report ND results with high CCV recoveries. The CCVs also recovered below the lower limit for naled. As a result naled is reported from a run with a higher dilution. The following samples are impacted: AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501 (680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19), (CCV 280-301302/16), (CCV 280-301302/28), (CCV 280-301302/40), (CCV 280-301302/52), (CCV 280-301497/14), (CCV 280-301497/23), (CCVIS 280-301302/3), (CCVIS 280-301497/3), (LCS 280-300944/2-A), (MB 280-300944/1-A), (680-117942-C-17-C MS) and (680-117942-C-17-D MS).
8141 / A-301302, 301497 / P - 300944

Instrument D2 was calibrated 10-26-2015 and began running samples from job 680-117942. By the end of the run naled and internal standard tributyl phosphate were co-eluting on the primary column. Due to this extra area in the internal standard peak results on the primary column are biased low. Due to this bias most compounds on the primary column CCVs fail low. The samples reported from batch 301748 are ND and are reported from the confirmation column.
8141 / A-301748 / P-300892

The continuing calibration verification (CCV) associated with batch 280-301748 recovered outside acceptance criteria, low biased, for dimethoate. Only naled is reported from this run, dimethoate is reported from another run. All compounds for the LCS were reported from the back column with all compounds well in control including dimethoate. A reanalyzed LCS is also reported from another batch.
8141 / A-301748 / P-300892

Prep batch 302677 was run on 2 instruments and against 3 ICALS. The MB and LCS were run all calibrations. All sets are reported.
8141 / A-302677,301748, 302868, 303047, 303332 / P-300892

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-300892 and analytical batch 280-302677 recovered outside control limits on the primary column for the following analytes: o,o',o''-Triethylphosphorothioate (135% with limits of 40%-120%). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data has been reported from the confirmation column which was within control limits.
8141 / A-302677 / P-300892

The initial calibration curve analyzed in batch 280-302677 does not support the RL for mevinphos on the primary column due to dropped peaks. Mevinphos is ND in the associated samples and is reported from the confirmation column which supports the RL. The one exception is sample 680-117942-28 which had a hit of mevinphos (above the DL but below the LOQ) on instrument D. This sample was rerun on D2. The hit did not confirm and the mevinphos result is reported from the rerun.
8141 / A-302677 / P-300892

The continuing calibration verification (CCV) associated with batch 280-302677 recovered above the upper control limit for dichlorvos. The samples associated with this CCV were non-detects for the affected analytes. We have a variance allowing us to report ND results with high CCV recoveries; therefore, the data has been reported. The CCVs also recovered below the lower limit for naled. Naled is reported from a higher dilution run with CCVs that were within control limits. The following sample is impacted: (CCV 280-302677/22).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HERBICIDES
Samples AOPSE201 (680-117942-1), AOPSF201 (680-117942-2), AOPSD301 (680-117942-3), AOPSE301 (680-117942-4), AOPSE501

Job ID: 680-117942-4 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-117942-5), AOPCF101 (680-117942-6), AOPSC401 (680-117942-7), AOPSF101 (680-117942-8), AOPSD501 (680-117942-9), AOPSD401 (680-117942-10), AOPSC701 (680-117942-11), AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSG1001 (680-117942-14), AOPSG901 (680-117942-15), AOPSD801 (680-117942-16), AOPSD701 (680-117942-17), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19) and AOPSF1001 (680-117942-20) were analyzed for herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 10/21/2015 and analyzed on 10/24/2015.

Samples AOPSE201 (680-117942-1)[5X], AOPSF201 (680-117942-2)[10X], AOPSD301 (680-117942-3)[5X], AOPSE301 (680-117942-4)[5X], AOPSE501 (680-117942-5)[5X], AOPCF101 (680-117942-6)[5X], AOPSF101 (680-117942-8)[10X], AOPSD501 (680-117942-9)[5X], AOPSC701 (680-117942-11)[5X], AOPSC801 (680-117942-12)[10X], AOPSG701 (680-117942-13)[10X], AOPSG1001 (680-117942-14)[5X], AOPSG901 (680-117942-15)[5X], AOPSD801 (680-117942-16)[10X], AOPSD701 (680-117942-17)[5X], AOPSD1001 (680-117942-18)[10X], AOPSG601 (680-117942-19)[10X] and AOPSF1001 (680-117942-20)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

2,4-Dichlorophenylacetic acid (Surr) exceeded the surrogate recovery criteria low for AOPSC801 (680-117942-12), AOPSG701 (680-117942-13), AOPSD801 (680-117942-16), AOPSD1001 (680-117942-18), AOPSG601 (680-117942-19), AOPSF201 (680-117942-2), AOPSF1001 (680-117942-20), AOPSF101 (680-117942-8).

The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 680-406485 and analytical batch 680-407210: 2,4-DB. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

2,4,5-T, Pentachlorophenol and Silvex (2,4,5-TP) exceeded the recovery criteria low for the MS of sample AOPSD701MS (680-117942-17) in batch 680-407210.

2,4,5-T exceeded the recovery criteria low for the MSD of sample AOPSD701MSD (680-117942-17) in batch 680-407210. Dalapon and Silvex (2,4,5-TP) exceeded the RPD limit

Data reported for this dual column/detector method is reported in accordance with the laboratory SOP SA-QA-008 which states:
The default procedure given in this SOP instructs the analyst to report the highest result when the %RPD <=40% and to report the lowest result when the %RPD exceeds 40%. This guidance uses RPD to determine if matrix interference is present. If the RPD is <=40%, the results between the two columns are essentially the same, and no matrix interference is deemed present. If the RPD exceeds 40%, matrix interference is most likely present, and the lower result is reported as the default. This guidance does not prohibit reporting the higher result when the %RPD exceeds 40; however, this guidance is intended to preclude reporting clearly unreasonable data. It is this laboratory's experience that a majority of matrix interferences are positive and that reporting the lower of the two results is reasonable when the %RPD exceeds 40.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page. No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117942-1	AOPSE201	Solid	10/10/15 18:00	10/17/15 09:50
680-117942-2	AOPSF201	Solid	10/10/15 17:30	10/17/15 09:50
680-117942-3	AOPSD301	Solid	10/10/15 18:15	10/17/15 09:50
680-117942-4	AOPSE301	Solid	10/10/15 17:15	10/16/15 09:45
680-117942-5	AOPSE501	Solid	10/10/15 16:30	10/17/15 09:50
680-117942-6	AOPCF101	Solid	10/10/15 17:45	10/17/15 09:50
680-117942-7	AOPSC401	Solid	10/10/15 15:30	10/16/15 09:45
680-117942-8	AOPSF101	Solid	10/10/15 17:45	10/17/15 09:50
680-117942-9	AOPSD501	Solid	10/10/15 16:00	10/16/15 09:45
680-117942-10	AOPSD401	Solid	10/10/15 15:00	10/17/15 09:50
680-117942-11	AOPSC701	Solid	10/11/15 11:20	10/18/15 09:50
680-117942-12	AOPSC801	Solid	10/11/15 11:40	10/16/15 09:45
680-117942-13	AOPSG701	Solid	10/11/15 17:40	10/17/15 09:50
680-117942-14	AOPSG1001	Solid	10/11/15 17:00	10/17/15 09:50
680-117942-15	AOPSG901	Solid	10/11/15 17:10	10/17/15 09:50
680-117942-16	AOPSD801	Solid	10/11/15 15:40	10/17/15 09:50
680-117942-17	AOPSD701	Solid	10/11/15 16:00	10/17/15 09:50
680-117942-18	AOPSD1001	Solid	10/11/15 15:20	10/17/15 09:50
680-117942-19	AOPSG601	Solid	10/11/15 17:50	10/17/15 09:50
680-117942-20	AOPSF1001	Solid	10/11/15 16:30	10/17/15 09:50

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Method	Method Description	Protocol	Laboratory
8015C GRO	Gasoline Range Organics (GRO)	SW846	TAL SAV
8015C DRO	Diesel Range Organics (DRO) (GC)	SW846	TAL SAV
8081B 8082A	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8141A	Organophosphorous Pesticides (GC)	SW846	TAL DEN
8151A DOD	Herbicides (GC)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
Q	One or more quality control criteria failed.
H	Sample was prepped or analyzed beyond the specified holding time
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.

GC Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
Q	One or more quality control criteria failed.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AOPSE201

Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1

Matrix: Solid
Percent Solids: 78.8

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.30	U	0.30	0.30	0.12	mg/Kg	☼	10/24/15 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*132*		*68 - 134*	*10/24/15 03:00*	*10/24/15 06:04*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	190	U	210	190	130	mg/Kg	☼	10/31/15 17:56	10
Oil Range Organics (C20-C36)	1300	U	1300	1300	1300	mg/Kg	☼	10/31/15 17:56	10
JP-4 Fuel	420	U	420	420	420	mg/Kg	☼	10/31/15 17:56	10
JP-5	210	U	210	210	210	mg/Kg	☼	10/31/15 17:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 17:56*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.012	U	0.053	0.012	0.0047	mg/Kg	☼	10/23/15 16:38	25
alpha-BHC	0.012	U	0.053	0.012	0.0044	mg/Kg	☼	10/23/15 16:38	25
alpha-Chlordane	0.012	U	0.053	0.012	0.0057	mg/Kg	☼	10/23/15 16:38	25
beta-BHC	0.023	U	0.053	0.023	0.010	mg/Kg	☼	10/23/15 16:38	25
Chlordane (technical)	0.21	U	0.53	0.21	0.091	mg/Kg	☼	10/23/15 16:38	25
Chlorobenzilate	1.8	U	3.1	1.8	0.75	mg/Kg	☼	10/23/15 16:38	25
4,4'-DDD	0.012	U	0.053	0.012	0.0057	mg/Kg	☼	10/23/15 16:38	25
4,4'-DDE	**0.018**	**J D**	0.053	0.012	0.0057	mg/Kg	☼	10/23/15 16:38	25
4,4'-DDT	**0.0088**	**J D**	0.053	0.016	0.0069	mg/Kg	☼	10/23/15 16:38	25
delta-BHC	0.016	U	0.053	0.016	0.0060	mg/Kg	☼	10/23/15 16:38	25
Dieldrin	0.012	U	0.053	0.012	0.0053	mg/Kg	☼	10/23/15 16:38	25
Endosulfan I	0.012	U	0.053	0.012	0.0053	mg/Kg	☼	10/23/15 16:38	25
Endosulfan II	0.012	U	0.053	0.012	0.0047	mg/Kg	☼	10/23/15 16:38	25
Endosulfan sulfate	0.016	U	0.053	0.016	0.0066	mg/Kg	☼	10/23/15 16:38	25
Endrin	0.016	U	0.053	0.016	0.0069	mg/Kg	☼	10/23/15 16:38	25
Endrin aldehyde	0.016	U	0.053	0.016	0.0069	mg/Kg	☼	10/23/15 16:38	25
Endrin ketone	0.016	U	0.053	0.016	0.0063	mg/Kg	☼	10/23/15 16:38	25
gamma-BHC (Lindane)	0.012	U	0.053	0.012	0.0044	mg/Kg	☼	10/23/15 16:38	25
gamma-Chlordane	0.012	U	0.053	0.012	0.0057	mg/Kg	☼	10/23/15 16:38	25
Heptachlor	0.016	U	0.053	0.016	0.0060	mg/Kg	☼	10/23/15 16:38	25
Heptachlor epoxide	0.012	U	0.053	0.012	0.0050	mg/Kg	☼	10/23/15 16:38	25
Isodrin	0.029	U	0.053	0.029	0.011	mg/Kg	☼	10/23/15 16:38	25
Kepone	1.1	U Q	3.1	1.1	0.41	mg/Kg	☼	10/23/15 16:38	25
Methoxychlor	0.023	U	0.053	0.023	0.0088	mg/Kg	☼	10/23/15 16:38	25
PCB-1016	0.72	U	1.0	0.72	0.35	mg/Kg	☼	10/23/15 16:38	25
PCB-1221	0.94	U	1.0	0.94	0.47	mg/Kg	☼	10/23/15 16:38	25
PCB-1232	0.41	U	1.0	0.41	0.16	mg/Kg	☼	10/23/15 16:38	25
PCB-1242	0.41	U	1.0	0.41	0.16	mg/Kg	☼	10/23/15 16:38	25
PCB-1248	0.63	U	1.0	0.63	0.26	mg/Kg	☼	10/23/15 16:38	25
PCB-1254	0.94	U	1.0	0.94	0.31	mg/Kg	☼	10/23/15 16:38	25
PCB-1260	0.72	U	1.0	0.72	0.30	mg/Kg	☼	10/23/15 16:38	25
Toxaphene	0.41	U	5.3	0.41	0.17	mg/Kg	☼	10/23/15 16:38	25

Client Sample ID: AOPSE201
Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1
Matrix: Solid
Percent Solids: 78.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/20/15 14:35	10/23/15 16:38	25
Tetrachloro-m-xylene	0	D	46 - 130	10/20/15 14:35	10/23/15 16:38	25

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	780	U	1600	780	280	ug/Kg	☼	10/28/15 03:42	10
Azinphos-ethyl	780	U	780	780	200	ug/Kg	☼	10/28/15 03:42	10
Azinphos-methyl	190	U	310	190	82	ug/Kg	☼	10/28/15 03:42	10
Bolstar	400	U	310	400	100	ug/Kg	☼	10/28/15 03:42	10
Chlorpyrifos	400	U	470	400	150	ug/Kg	☼	10/28/15 03:42	10
Coumaphos	190	U	310	190	66	ug/Kg	☼	10/28/15 03:42	10
Demeton-O	540	U	920	540	120	ug/Kg	☼	10/28/15 03:42	10
Demeton-S	240	U	350	240	110	ug/Kg	☼	10/28/15 03:42	10
Demeton, Total	400	U	920	400	180	ug/Kg	☼	10/28/15 03:42	10
Diazinon	400	U	520	400	170	ug/Kg	☼	10/28/15 03:42	10
Dichlorvos	400	U Q	540	400	170	ug/Kg	☼	10/28/15 03:42	10
Dimethoate	400	U	520	400	170	ug/Kg	☼	10/28/15 03:42	10
Disulfoton	400	U	1100	400	180	ug/Kg	☼	10/28/15 03:42	10
EPN	190	U	310	190	87	ug/Kg	☼	10/28/15 03:42	10
Mocap	400	U	350	400	120	ug/Kg	☼	10/28/15 03:42	10
Ethyl Parathion	400	U	420	400	120	ug/Kg	☼	10/28/15 03:42	10
Famphur	190	U	310	190	76	ug/Kg	☼	10/28/15 03:42	10
Fensulfothion	400	U	590	400	190	ug/Kg	☼	10/28/15 03:42	10
Fenthion	780	U	780	780	210	ug/Kg	☼	10/28/15 03:42	10
Malathion	400	U	350	400	110	ug/Kg	☼	10/28/15 03:42	10
Merphos	400	U	710	400	120	ug/Kg	☼	10/28/15 03:42	10
Methyl parathion	400	U	470	400	150	ug/Kg	☼	10/28/15 03:42	10
Mevinphos	400	U	350	400	110	ug/Kg	☼	10/28/15 03:42	10
Phorate	400	U	470	400	130	ug/Kg	☼	10/28/15 03:42	10
Phosmet	1600	U	1600	1600	450	ug/Kg	☼	10/28/15 03:42	10
Propazine	780	U	1600	780	200	ug/Kg	☼	10/28/15 03:42	10
Ronnel	780	U	1100	780	360	ug/Kg	☼	10/28/15 03:42	10
Simazine	1600	U	1600	1600	520	ug/Kg	☼	10/28/15 03:42	10
Tetrachlorvinphos (Stirophos)	400	U	350	400	100	ug/Kg	☼	10/28/15 03:42	10
Sulfotepp	400	U	470	400	150	ug/Kg	☼	10/28/15 03:42	10
Thionazin	400	U	420	400	130	ug/Kg	☼	10/28/15 03:42	10
Tokuthion	190	U	470	190	92	ug/Kg	☼	10/28/15 03:42	10
Trichloronate	400	U	470	400	150	ug/Kg	☼	10/28/15 03:42	10
o,o',o''-Triethylphosphorothioate	400	U	920	400	180	ug/Kg	☼	10/28/15 03:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	99	D	47 - 161	10/24/15 12:30	10/28/15 03:42	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	16000	U	16000	16000	5300	ug/Kg	☼	10/27/15 18:36	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	116	D	47 - 161	10/24/15 12:30	10/27/15 18:36	100

Client Sample ID: AOPSE201

Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1

Matrix: Solid
Percent Solids: 78.8

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.032	U	0.052	0.032	0.032	mg/Kg	☼	10/24/15 05:59	5
Dalapon	0.050	U	0.63	0.050	0.018	mg/Kg	☼	10/24/15 05:59	5
2,4-DB	0.032	U Q	0.052	0.032	0.019	mg/Kg	☼	10/24/15 05:59	5
Dicamba	0.032	U	0.052	0.032	0.012	mg/Kg	☼	10/24/15 05:59	5
Dichlorprop	0.013	U	0.052	0.013	0.0069	mg/Kg	☼	10/24/15 05:59	5
Dinoseb	0.032	U	0.32	0.032	0.029	mg/Kg	☼	10/24/15 05:59	5
MCPA	3.0	U	13	3.0	1.2	mg/Kg	☼	10/24/15 05:59	5
MCPP	3.0	U	13	3.0	1.1	mg/Kg	☼	10/24/15 05:59	5
Pentachlorophenol	0.0063	U	0.052	0.0063	0.0026	mg/Kg	☼	10/24/15 05:59	5
Silvex (2,4,5-TP)	0.032	U	0.052	0.032	0.010	mg/Kg	☼	10/24/15 05:59	5
2,4,5-T	0.032	U	0.052	0.032	0.014	mg/Kg	☼	10/24/15 05:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*68*		*27 - 122*	*10/21/15 09:26*	*10/24/15 05:59*	*5*

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	**0.12**	**J Q**	0.25	0.25	0.099	mg/Kg	☼	10/24/15 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*153*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 06:28*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U H	1.3	1.3	0.51	mg/Kg	☼	10/27/15 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*141*	*Q*	*68 - 134*	*10/27/15 15:00*	*10/27/15 17:55*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/31/15 18:10	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/31/15 18:10	10
JP-4 Fuel	360	U	360	360	360	mg/Kg	☼	10/31/15 18:10	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/31/15 18:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 18:10*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.020	U	0.092	0.020	0.0081	mg/Kg	☼	10/23/15 16:53	50
alpha-BHC	0.020	U	0.092	0.020	0.0075	mg/Kg	☼	10/23/15 16:53	50
alpha-Chlordane	0.020	U	0.092	0.020	0.0097	mg/Kg	☼	10/23/15 16:53	50
beta-BHC	0.039	U	0.092	0.039	0.018	mg/Kg	☼	10/23/15 16:53	50
Chlordane (technical)	0.36	U	0.92	0.36	0.16	mg/Kg	☼	10/23/15 16:53	50
Chlorobenzilate	3.1	U	5.4	3.1	1.3	mg/Kg	☼	10/23/15 16:53	50

Client Sample ID: AOPSF201
Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2
Matrix: Solid
Percent Solids: 92.3

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.092	0.020	0.0097	mg/Kg	☼	10/23/15 16:53	50
4,4'-DDE	**0.23**	**D**	0.092	0.020	0.0097	mg/Kg	☼	10/23/15 16:53	50
4,4'-DDT	**0.11**	**D**	0.092	0.027	0.012	mg/Kg	☼	10/23/15 16:53	50
delta-BHC	0.027	U	0.092	0.027	0.010	mg/Kg	☼	10/23/15 16:53	50
Dieldrin	0.020	U	0.092	0.020	0.0092	mg/Kg	☼	10/23/15 16:53	50
Endosulfan I	0.020	U	0.092	0.020	0.0092	mg/Kg	☼	10/23/15 16:53	50
Endosulfan II	0.020	U	0.092	0.020	0.0081	mg/Kg	☼	10/23/15 16:53	50
Endosulfan sulfate	0.027	U	0.092	0.027	0.011	mg/Kg	☼	10/23/15 16:53	50
Endrin	0.027	U	0.092	0.027	0.012	mg/Kg	☼	10/23/15 16:53	50
Endrin aldehyde	0.027	U	0.092	0.027	0.012	mg/Kg	☼	10/23/15 16:53	50
Endrin ketone	0.027	U	0.092	0.027	0.011	mg/Kg	☼	10/23/15 16:53	50
gamma-BHC (Lindane)	0.020	U	0.092	0.020	0.0075	mg/Kg	☼	10/23/15 16:53	50
gamma-Chlordane	0.020	U	0.092	0.020	0.0097	mg/Kg	☼	10/23/15 16:53	50
Heptachlor	0.027	U	0.092	0.027	0.010	mg/Kg	☼	10/23/15 16:53	50
Heptachlor epoxide	0.020	U	0.092	0.020	0.0086	mg/Kg	☼	10/23/15 16:53	50
Isodrin	0.050	U	0.092	0.050	0.018	mg/Kg	☼	10/23/15 16:53	50
Kepone	1.9	U	5.4	1.9	0.70	mg/Kg	☼	10/23/15 16:53	50
Methoxychlor	0.039	U	0.092	0.039	0.015	mg/Kg	☼	10/23/15 16:53	50
PCB-1016	1.2	U	1.8	1.2	0.59	mg/Kg	☼	10/23/15 16:53	50
PCB-1221	1.6	U	1.8	1.6	0.81	mg/Kg	☼	10/23/15 16:53	50
PCB-1232	0.70	U	1.8	0.70	0.28	mg/Kg	☼	10/23/15 16:53	50
PCB-1242	0.70	U	1.8	0.70	0.27	mg/Kg	☼	10/23/15 16:53	50
PCB-1248	1.1	U	1.8	1.1	0.44	mg/Kg	☼	10/23/15 16:53	50
PCB-1254	1.6	U	1.8	1.6	0.54	mg/Kg	☼	10/23/15 16:53	50
PCB-1260	1.2	U	1.8	1.2	0.52	mg/Kg	☼	10/23/15 16:53	50
Toxaphene	0.70	U	9.2	0.70	0.30	mg/Kg	☼	10/23/15 16:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 16:53*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 16:53*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	710	350	130	ug/Kg	☼	10/28/15 04:06	10
Azinphos-ethyl	350	U	350	350	92	ug/Kg	☼	10/28/15 04:06	10
Azinphos-methyl	85	U	140	85	37	ug/Kg	☼	10/28/15 04:06	10
Bolstar	180	U	140	180	45	ug/Kg	☼	10/28/15 04:06	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	10/28/15 04:06	10
Coumaphos	85	U	140	85	30	ug/Kg	☼	10/28/15 04:06	10
Demeton-O	240	U	410	240	56	ug/Kg	☼	10/28/15 04:06	10
Demeton-S	110	U	160	110	51	ug/Kg	☼	10/28/15 04:06	10
Demeton, Total	180	U	410	180	80	ug/Kg	☼	10/28/15 04:06	10
Diazinon	180	U	230	180	77	ug/Kg	☼	10/28/15 04:06	10
Dichlorvos	180	U	240	180	78	ug/Kg	☼	10/28/15 04:06	10
Dimethoate	180	U	230	180	75	ug/Kg	☼	10/28/15 04:06	10
Disulfoton	180	U	510	180	82	ug/Kg	☼	10/28/15 04:06	10
EPN	85	U	140	85	39	ug/Kg	☼	10/28/15 04:06	10
Mocap	180	U	160	180	52	ug/Kg	☼	10/28/15 04:06	10
Ethyl Parathion	180	U	190	180	56	ug/Kg	☼	10/28/15 04:06	10
Famphur	85	U	140	85	34	ug/Kg	☼	10/28/15 04:06	10

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	180	U	260	180	86	ug/Kg	☼	10/28/15 04:06	10
Fenthion	350	U	350	350	93	ug/Kg	☼	10/28/15 04:06	10
Malathion	180	U	160	180	49	ug/Kg	☼	10/28/15 04:06	10
Merphos	180	U	320	180	54	ug/Kg	☼	10/28/15 04:06	10
Methyl parathion	180	U	210	180	67	ug/Kg	☼	10/28/15 04:06	10
Mevinphos	180	U	160	180	49	ug/Kg	☼	10/28/15 04:06	10
Phorate	180	U	210	180	60	ug/Kg	☼	10/28/15 04:06	10
Phosmet	710	U	710	710	200	ug/Kg	☼	10/28/15 04:06	10
Propazine	350	U	710	350	91	ug/Kg	☼	10/28/15 04:06	10
Ronnel	350	U	490	350	160	ug/Kg	☼	10/28/15 04:06	10
Simazine	710	U	710	710	230	ug/Kg	☼	10/28/15 04:06	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	10/28/15 04:06	10
Sulfotepp	180	U	210	180	66	ug/Kg	☼	10/28/15 04:06	10
Thionazin	180	U	190	180	59	ug/Kg	☼	10/28/15 04:06	10
Tokuthion	85	U	210	85	41	ug/Kg	☼	10/28/15 04:06	10
Trichloronate	180	U	210	180	66	ug/Kg	☼	10/28/15 04:06	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	83	ug/Kg	☼	10/28/15 04:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*63*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 04:06*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7100	U	7400	7100	2400	ug/Kg	☼	10/27/15 19:00	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*54*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 19:00*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.054	U	0.089	0.054	0.054	mg/Kg	☼	10/24/15 06:17	10
Dalapon	0.086	U	1.1	0.086	0.031	mg/Kg	☼	10/24/15 06:17	10
2,4-DB	0.054	U Q	0.089	0.054	0.032	mg/Kg	☼	10/24/15 06:17	10
Dicamba	0.054	U	0.089	0.054	0.020	mg/Kg	☼	10/24/15 06:17	10
Dichlorprop	0.022	U	0.089	0.022	0.012	mg/Kg	☼	10/24/15 06:17	10
Dinoseb	0.054	U	0.54	0.054	0.050	mg/Kg	☼	10/24/15 06:17	10
MCPA	5.2	U	22	5.2	2.0	mg/Kg	☼	10/24/15 06:17	10
MCPP	5.2	U	22	5.2	1.8	mg/Kg	☼	10/24/15 06:17	10
Pentachlorophenol	**0.015**	**J D**	0.089	0.011	0.0045	mg/Kg	☼	10/24/15 06:17	10
Silvex (2,4,5-TP)	0.054	U	0.089	0.054	0.017	mg/Kg	☼	10/24/15 06:17	10
2,4,5-T	0.054	U	0.089	0.054	0.025	mg/Kg	☼	10/24/15 06:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 06:17*	*10*

Client Sample Results

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSD301

Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3

Matrix: Solid
Percent Solids: 91.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.26	U Q	0.26	0.26	0.11	mg/Kg	☼	10/24/15 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*141*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 06:51*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U H	1.3	1.3	0.54	mg/Kg	☼	10/27/15 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*131*		*68 - 134*	*10/27/15 15:00*	*10/27/15 18:18*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/31/15 19:24	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/31/15 19:24	10
JP-4 Fuel	360	U	360	360	360	mg/Kg	☼	10/31/15 19:24	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/31/15 19:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 19:24*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.020	U	0.093	0.020	0.0082	mg/Kg	☼	10/23/15 17:09	50
alpha-BHC	0.020	U	0.093	0.020	0.0077	mg/Kg	☼	10/23/15 17:09	50
alpha-Chlordane	0.020	U	0.093	0.020	0.0099	mg/Kg	☼	10/23/15 17:09	50
beta-BHC	0.040	U	0.093	0.040	0.018	mg/Kg	☼	10/23/15 17:09	50
Chlordane (technical)	0.37	U	0.93	0.37	0.16	mg/Kg	☼	10/23/15 17:09	50
Chlorobenzilate	3.2	U	5.5	3.2	1.3	mg/Kg	☼	10/23/15 17:09	50
4,4'-DDD	0.020	U	0.093	0.020	0.0099	mg/Kg	☼	10/23/15 17:09	50
4,4'-DDE	**0.065**	**J D**	0.093	0.020	0.0099	mg/Kg	☼	10/23/15 17:09	50
4,4'-DDT	0.027	U	0.093	0.027	0.012	mg/Kg	☼	10/23/15 17:09	50
delta-BHC	0.027	U	0.093	0.027	0.010	mg/Kg	☼	10/23/15 17:09	50
Dieldrin	0.020	U	0.093	0.020	0.0093	mg/Kg	☼	10/23/15 17:09	50
Endosulfan I	0.020	U	0.093	0.020	0.0093	mg/Kg	☼	10/23/15 17:09	50
Endosulfan II	0.020	U	0.093	0.020	0.0082	mg/Kg	☼	10/23/15 17:09	50
Endosulfan sulfate	0.027	U	0.093	0.027	0.012	mg/Kg	☼	10/23/15 17:09	50
Endrin	0.027	U	0.093	0.027	0.012	mg/Kg	☼	10/23/15 17:09	50
Endrin aldehyde	0.027	U	0.093	0.027	0.012	mg/Kg	☼	10/23/15 17:09	50
Endrin ketone	0.027	U	0.093	0.027	0.011	mg/Kg	☼	10/23/15 17:09	50
gamma-BHC (Lindane)	0.020	U	0.093	0.020	0.0077	mg/Kg	☼	10/23/15 17:09	50
gamma-Chlordane	0.020	U	0.093	0.020	0.0099	mg/Kg	☼	10/23/15 17:09	50
Heptachlor	0.027	U	0.093	0.027	0.010	mg/Kg	☼	10/23/15 17:09	50
Heptachlor epoxide	0.020	U	0.093	0.020	0.0088	mg/Kg	☼	10/23/15 17:09	50
Isodrin	0.050	U	0.093	0.050	0.019	mg/Kg	☼	10/23/15 17:09	50
Kepone	1.9	U	5.5	1.9	0.71	mg/Kg	☼	10/23/15 17:09	50
Methoxychlor	0.040	U	0.093	0.040	0.015	mg/Kg	☼	10/23/15 17:09	50
PCB-1016	1.3	U	1.8	1.3	0.60	mg/Kg	☼	10/23/15 17:09	50
PCB-1221	1.6	U	1.8	1.6	0.82	mg/Kg	☼	10/23/15 17:09	50
PCB-1232	0.71	U	1.8	0.71	0.28	mg/Kg	☼	10/23/15 17:09	50

Client Sample ID: AOPSD301
Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3
Matrix: Solid
Percent Solids: 91.5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1242	0.71	U	1.8	0.71	0.27	mg/Kg	☼	10/23/15 17:09	50
PCB-1248	1.1	U	1.8	1.1	0.45	mg/Kg	☼	10/23/15 17:09	50
PCB-1254	1.6	U	1.8	1.6	0.55	mg/Kg	☼	10/23/15 17:09	50
PCB-1260	1.3	U	1.8	1.3	0.53	mg/Kg	☼	10/23/15 17:09	50
Toxaphene	0.71	U	9.3	0.71	0.30	mg/Kg	☼	10/23/15 17:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 17:09*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 17:09*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	710	350	130	ug/Kg	☼	10/28/15 04:31	10
Azinphos-ethyl	350	U	350	350	92	ug/Kg	☼	10/28/15 04:31	10
Azinphos-methyl	85	U	140	85	37	ug/Kg	☼	10/28/15 04:31	10
Bolstar	180	U	140	180	45	ug/Kg	☼	10/28/15 04:31	10
Chlorpyrifos	180	U	210	180	69	ug/Kg	☼	10/28/15 04:31	10
Coumaphos	85	U	140	85	30	ug/Kg	☼	10/28/15 04:31	10
Demeton-O	240	U	420	240	56	ug/Kg	☼	10/28/15 04:31	10
Demeton-S	110	U	160	110	52	ug/Kg	☼	10/28/15 04:31	10
Demeton, Total	180	U	420	180	80	ug/Kg	☼	10/28/15 04:31	10
Diazinon	180	U	230	180	77	ug/Kg	☼	10/28/15 04:31	10
Dichlorvos	180	U	240	180	79	ug/Kg	☼	10/28/15 04:31	10
Dimethoate	180	U	230	180	75	ug/Kg	☼	10/28/15 04:31	10
Disulfoton	180	U	510	180	82	ug/Kg	☼	10/28/15 04:31	10
EPN	85	U	140	85	39	ug/Kg	☼	10/28/15 04:31	10
Mocap	180	U	160	180	52	ug/Kg	☼	10/28/15 04:31	10
Ethyl Parathion	180	U	190	180	56	ug/Kg	☼	10/28/15 04:31	10
Famphur	85	U	140	85	34	ug/Kg	☼	10/28/15 04:31	10
Fensulfothion	180	U	270	180	87	ug/Kg	☼	10/28/15 04:31	10
Fenthion	350	U	350	350	93	ug/Kg	☼	10/28/15 04:31	10
Malathion	180	U	160	180	49	ug/Kg	☼	10/28/15 04:31	10
Merphos	180	U	320	180	55	ug/Kg	☼	10/28/15 04:31	10
Methyl parathion	180	U	210	180	68	ug/Kg	☼	10/28/15 04:31	10
Mevinphos	180	U	160	180	49	ug/Kg	☼	10/28/15 04:31	10
Phorate	180	U	210	180	61	ug/Kg	☼	10/28/15 04:31	10
Phosmet	710	U	710	710	210	ug/Kg	☼	10/28/15 04:31	10
Propazine	350	U	710	350	92	ug/Kg	☼	10/28/15 04:31	10
Ronnel	350	U	490	350	160	ug/Kg	☼	10/28/15 04:31	10
Simazine	710	U	710	710	240	ug/Kg	☼	10/28/15 04:31	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	10/28/15 04:31	10
Sulfotepp	180	U	210	180	67	ug/Kg	☼	10/28/15 04:31	10
Thionazin	180	U	190	180	59	ug/Kg	☼	10/28/15 04:31	10
Tokuthion	85	U	210	85	42	ug/Kg	☼	10/28/15 04:31	10
Trichloronate	180	U	210	180	67	ug/Kg	☼	10/28/15 04:31	10
o,o',o''-Triethylphosphorothioate	180	U	420	180	84	ug/Kg	☼	10/28/15 04:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*122*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 04:31*	*10*

Client Sample ID: AOPSD301

Lab Sample ID: 680-117942-3
Date Collected: 10/10/15 18:15
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 91.5

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7100	U	7500	7100	2400	ug/Kg	☼	10/27/15 19:25	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*97*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 19:25*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.027	U	0.045	0.027	0.027	mg/Kg	☼	10/24/15 06:36	5
Dalapon	0.044	U	0.54	0.044	0.016	mg/Kg	☼	10/24/15 06:36	5
2,4-DB	0.027	U Q	0.045	0.027	0.016	mg/Kg	☼	10/24/15 06:36	5
Dicamba	0.027	U	0.045	0.027	0.010	mg/Kg	☼	10/24/15 06:36	5
Dichlorprop	0.011	U	0.045	0.011	0.0060	mg/Kg	☼	10/24/15 06:36	5
Dinoseb	0.027	U	0.27	0.027	0.025	mg/Kg	☼	10/24/15 06:36	5
MCPA	2.6	U	11	2.6	1.0	mg/Kg	☼	10/24/15 06:36	5
MCPP	2.6	U	11	2.6	0.93	mg/Kg	☼	10/24/15 06:36	5
Pentachlorophenol	0.0054	U	0.045	0.0054	0.0023	mg/Kg	☼	10/24/15 06:36	5
Silvex (2,4,5-TP)	0.027	U	0.045	0.027	0.0087	mg/Kg	☼	10/24/15 06:36	5
2,4,5-T	0.027	U	0.045	0.027	0.013	mg/Kg	☼	10/24/15 06:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*65*		*27 - 122*	*10/21/15 09:26*	*10/24/15 06:36*	*5*

Client Sample ID: AOPSE301

Lab Sample ID: 680-117942-4
Date Collected: 10/10/15 17:15
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 90.2

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.26	U Q	0.26	0.26	0.10	mg/Kg	☼	10/24/15 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*148*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 07:15*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U H	1.2	1.2	0.50	mg/Kg	☼	10/27/15 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*126*		*68 - 134*	*10/27/15 15:00*	*10/27/15 18:42*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	U	180	170	120	mg/Kg	☼	10/31/15 19:39	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/31/15 19:39	10
JP-4 Fuel	370	U	370	370	370	mg/Kg	☼	10/31/15 19:39	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/31/15 19:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 19:39*	*10*

Client Sample ID: AOPSE301

Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4

Matrix: Solid
Percent Solids: 90.2

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.010	U	0.046	0.010	0.0041	mg/Kg	☼	10/23/15 17:24	25
alpha-BHC	0.010	U	0.046	0.010	0.0038	mg/Kg	☼	10/23/15 17:24	25
alpha-Chlordane	0.010	U	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 17:24	25
beta-BHC	0.020	U	0.046	0.020	0.0090	mg/Kg	☼	10/23/15 17:24	25
Chlordane (technical)	0.18	U	0.46	0.18	0.079	mg/Kg	☼	10/23/15 17:24	25
Chlorobenzilate	1.6	U	2.7	1.6	0.65	mg/Kg	☼	10/23/15 17:24	25
4,4'-DDD	0.010	U	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 17:24	25
4,4'-DDE	**0.0069**	**J D**	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 17:24	25
4,4'-DDT	0.014	U	0.046	0.014	0.0060	mg/Kg	☼	10/23/15 17:24	25
delta-BHC	0.014	U	0.046	0.014	0.0052	mg/Kg	☼	10/23/15 17:24	25
Dieldrin	0.010	U	0.046	0.010	0.0046	mg/Kg	☼	10/23/15 17:24	25
Endosulfan I	0.010	U	0.046	0.010	0.0046	mg/Kg	☼	10/23/15 17:24	25
Endosulfan II	0.010	U	0.046	0.010	0.0041	mg/Kg	☼	10/23/15 17:24	25
Endosulfan sulfate	0.014	U	0.046	0.014	0.0057	mg/Kg	☼	10/23/15 17:24	25
Endrin	0.014	U	0.046	0.014	0.0060	mg/Kg	☼	10/23/15 17:24	25
Endrin aldehyde	0.014	U	0.046	0.014	0.0060	mg/Kg	☼	10/23/15 17:24	25
Endrin ketone	0.014	U	0.046	0.014	0.0054	mg/Kg	☼	10/23/15 17:24	25
gamma-BHC (Lindane)	0.010	U	0.046	0.010	0.0038	mg/Kg	☼	10/23/15 17:24	25
gamma-Chlordane	0.010	U	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 17:24	25
Heptachlor	0.014	U	0.046	0.014	0.0052	mg/Kg	☼	10/23/15 17:24	25
Heptachlor epoxide	0.010	U	0.046	0.010	0.0044	mg/Kg	☼	10/23/15 17:24	25
Isodrin	0.025	U	0.046	0.025	0.0093	mg/Kg	☼	10/23/15 17:24	25
Kepone	0.95	U	2.7	0.95	0.35	mg/Kg	☼	10/23/15 17:24	25
Methoxychlor	0.020	U	0.046	0.020	0.0076	mg/Kg	☼	10/23/15 17:24	25
PCB-1016	0.63	U	0.90	0.63	0.30	mg/Kg	☼	10/23/15 17:24	25
PCB-1221	0.82	U	0.90	0.82	0.41	mg/Kg	☼	10/23/15 17:24	25
PCB-1232	0.35	U	0.90	0.35	0.14	mg/Kg	☼	10/23/15 17:24	25
PCB-1242	0.35	U	0.90	0.35	0.14	mg/Kg	☼	10/23/15 17:24	25
PCB-1248	0.54	U	0.90	0.54	0.22	mg/Kg	☼	10/23/15 17:24	25
PCB-1254	0.82	U	0.90	0.82	0.27	mg/Kg	☼	10/23/15 17:24	25
PCB-1260	0.63	U	0.90	0.63	0.26	mg/Kg	☼	10/23/15 17:24	25
Toxaphene	0.35	U	4.6	0.35	0.15	mg/Kg	☼	10/23/15 17:24	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 17:24*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 17:24*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U	680	330	120	ug/Kg	☼	10/28/15 04:56	10
Azinphos-ethyl	330	U	330	330	88	ug/Kg	☼	10/28/15 04:56	10
Azinphos-methyl	81	U	130	81	35	ug/Kg	☼	10/28/15 04:56	10
Bolstar	170	U	130	170	43	ug/Kg	☼	10/28/15 04:56	10
Chlorpyrifos	170	U	200	170	65	ug/Kg	☼	10/28/15 04:56	10
Coumaphos	81	U	130	81	28	ug/Kg	☼	10/28/15 04:56	10
Demeton-O	230	U	390	230	53	ug/Kg	☼	10/28/15 04:56	10
Demeton-S	100	U	150	100	49	ug/Kg	☼	10/28/15 04:56	10
Demeton, Total	170	U	390	170	76	ug/Kg	☼	10/28/15 04:56	10
Diazinon	170	U	220	170	74	ug/Kg	☼	10/28/15 04:56	10
Dichlorvos	170	U	230	170	75	ug/Kg	☼	10/28/15 04:56	10

Client Sample ID: AOPSE301
Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4
Matrix: Solid
Percent Solids: 90.2

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dimethoate	170	U	220	170	72	ug/Kg	☼	10/28/15 04:56	10
Disulfoton	170	U	490	170	78	ug/Kg	☼	10/28/15 04:56	10
EPN	81	U	130	81	37	ug/Kg	☼	10/28/15 04:56	10
Mocap	170	U	150	170	50	ug/Kg	☼	10/28/15 04:56	10
Ethyl Parathion	170	U	180	170	53	ug/Kg	☼	10/28/15 04:56	10
Famphur	81	U	130	81	33	ug/Kg	☼	10/28/15 04:56	10
Fensulfothion	170	U	250	170	82	ug/Kg	☼	10/28/15 04:56	10
Fenthion	330	U	330	330	88	ug/Kg	☼	10/28/15 04:56	10
Malathion	170	U	150	170	47	ug/Kg	☼	10/28/15 04:56	10
Merphos	170	U	300	170	52	ug/Kg	☼	10/28/15 04:56	10
Methyl parathion	170	U	200	170	64	ug/Kg	☼	10/28/15 04:56	10
Mevinphos	170	U	150	170	47	ug/Kg	☼	10/28/15 04:56	10
Phorate	170	U	200	170	58	ug/Kg	☼	10/28/15 04:56	10
Phosmet	680	U	680	680	200	ug/Kg	☼	10/28/15 04:56	10
Propazine	330	U	680	330	87	ug/Kg	☼	10/28/15 04:56	10
Ronnel	330	U	470	330	150	ug/Kg	☼	10/28/15 04:56	10
Simazine	680	U	680	680	220	ug/Kg	☼	10/28/15 04:56	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	44	ug/Kg	☼	10/28/15 04:56	10
Sulfotepp	170	U	200	170	63	ug/Kg	☼	10/28/15 04:56	10
Thionazin	170	U	180	170	56	ug/Kg	☼	10/28/15 04:56	10
Tokuthion	81	U	200	81	40	ug/Kg	☼	10/28/15 04:56	10
Trichloronate	170	U	200	170	63	ug/Kg	☼	10/28/15 04:56	10
o,o',o''-Triethylphosphorothioate	170	U	390	170	79	ug/Kg	☼	10/28/15 04:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*120*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 04:56*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6800	U	7100	6800	2300	ug/Kg	☼	10/27/15 19:50	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*111*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 19:50*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.028	U	0.046	0.028	0.028	mg/Kg	☼	10/24/15 00:50	5
Dalapon	0.044	U	0.55	0.044	0.016	mg/Kg	☼	10/24/15 00:50	5
2,4-DB	0.028	U Q	0.046	0.028	0.017	mg/Kg	☼	10/24/15 00:50	5
Dicamba	0.028	U	0.046	0.028	0.010	mg/Kg	☼	10/24/15 00:50	5
Dichlorprop	0.011	U	0.046	0.011	0.0061	mg/Kg	☼	10/24/15 00:50	5
Dinoseb	0.028	U	0.28	0.028	0.025	mg/Kg	☼	10/24/15 00:50	5
MCPA	2.7	U	11	2.7	1.0	mg/Kg	☼	10/24/15 00:50	5
MCPP	2.7	U	11	2.7	0.94	mg/Kg	☼	10/24/15 00:50	5
Pentachlorophenol	0.0055	U M	0.046	0.0055	0.0023	mg/Kg	☼	10/24/15 00:50	5
Silvex (2,4,5-TP)	0.028	U	0.046	0.028	0.0088	mg/Kg	☼	10/24/15 00:50	5
2,4,5-T	0.028	U	0.046	0.028	0.013	mg/Kg	☼	10/24/15 00:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*67*	*M*	*27 - 122*	*10/21/15 09:26*	*10/24/15 00:50*	*5*

Client Sample ID: AOPSE501

Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5

Matrix: Solid
Percent Solids: 93.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U Q	0.25	0.25	0.10	mg/Kg	☼	10/24/15 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*182*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 07:38*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U H	1.3	1.3	0.52	mg/Kg	☼	10/27/15 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*147*	*Q*	*68 - 134*	*10/27/15 15:00*	*10/27/15 19:05*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/31/15 19:54	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/31/15 19:54	10
JP-4 Fuel	350	U	350	350	350	mg/Kg	☼	10/31/15 19:54	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/31/15 19:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 19:54*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.020	U	0.090	0.020	0.0080	mg/Kg	☼	10/23/15 17:40	50
alpha-BHC	0.020	U	0.090	0.020	0.0074	mg/Kg	☼	10/23/15 17:40	50
alpha-Chlordane	0.020	U	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 17:40	50
beta-BHC	0.039	U	0.090	0.039	0.018	mg/Kg	☼	10/23/15 17:40	50
Chlordane (technical)	0.36	U	0.90	0.36	0.15	mg/Kg	☼	10/23/15 17:40	50
Chlorobenzilate	3.1	U	5.3	3.1	1.3	mg/Kg	☼	10/23/15 17:40	50
4,4'-DDD	0.020	U	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 17:40	50
4,4'-DDE	**0.037**	**J D**	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 17:40	50
4,4'-DDT	**0.030**	**J D**	0.090	0.027	0.012	mg/Kg	☼	10/23/15 17:40	50
delta-BHC	0.027	U	0.090	0.027	0.010	mg/Kg	☼	10/23/15 17:40	50
Dieldrin	0.020	U	0.090	0.020	0.0090	mg/Kg	☼	10/23/15 17:40	50
Endosulfan I	0.020	U	0.090	0.020	0.0090	mg/Kg	☼	10/23/15 17:40	50
Endosulfan II	0.020	U	0.090	0.020	0.0080	mg/Kg	☼	10/23/15 17:40	50
Endosulfan sulfate	0.027	U	0.090	0.027	0.011	mg/Kg	☼	10/23/15 17:40	50
Endrin	0.027	U	0.090	0.027	0.012	mg/Kg	☼	10/23/15 17:40	50
Endrin aldehyde	0.027	U	0.090	0.027	0.012	mg/Kg	☼	10/23/15 17:40	50
Endrin ketone	0.027	U	0.090	0.027	0.011	mg/Kg	☼	10/23/15 17:40	50
gamma-BHC (Lindane)	0.020	U	0.090	0.020	0.0074	mg/Kg	☼	10/23/15 17:40	50
gamma-Chlordane	0.020	U	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 17:40	50
Heptachlor	0.027	U	0.090	0.027	0.010	mg/Kg	☼	10/23/15 17:40	50
Heptachlor epoxide	0.020	U	0.090	0.020	0.0085	mg/Kg	☼	10/23/15 17:40	50
Isodrin	0.049	U	0.090	0.049	0.018	mg/Kg	☼	10/23/15 17:40	50
Kepone	1.9	U	5.3	1.9	0.69	mg/Kg	☼	10/23/15 17:40	50
Methoxychlor	0.039	U	0.090	0.039	0.015	mg/Kg	☼	10/23/15 17:40	50
PCB-1016	1.2	U	1.8	1.2	0.58	mg/Kg	☼	10/23/15 17:40	50
PCB-1221	1.6	U	1.8	1.6	0.80	mg/Kg	☼	10/23/15 17:40	50
PCB-1232	0.69	U	1.8	0.69	0.28	mg/Kg	☼	10/23/15 17:40	50

Client Sample ID: AOPSE501
Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5
Matrix: Solid
Percent Solids: 93.5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1242	0.69	U	1.8	0.69	0.27	mg/Kg	☼	10/23/15 17:40	50
PCB-1248	1.1	U	1.8	1.1	0.44	mg/Kg	☼	10/23/15 17:40	50
PCB-1254	1.6	U	1.8	1.6	0.53	mg/Kg	☼	10/23/15 17:40	50
PCB-1260	1.2	U	1.8	1.2	0.51	mg/Kg	☼	10/23/15 17:40	50
Toxaphene	0.69	U	9.0	0.69	0.29	mg/Kg	☼	10/23/15 17:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 17:40*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 17:40*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	700	350	130	ug/Kg	☼	10/28/15 05:21	10
Azinphos-ethyl	350	U	350	350	91	ug/Kg	☼	10/28/15 05:21	10
Azinphos-methyl	84	U	140	84	37	ug/Kg	☼	10/28/15 05:21	10
Bolstar	180	U	140	180	44	ug/Kg	☼	10/28/15 05:21	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	10/28/15 05:21	10
Coumaphos	84	U	140	84	29	ug/Kg	☼	10/28/15 05:21	10
Demeton-O	240	U	410	240	55	ug/Kg	☼	10/28/15 05:21	10
Demeton-S	100	U	160	100	51	ug/Kg	☼	10/28/15 05:21	10
Demeton, Total	180	U	410	180	79	ug/Kg	☼	10/28/15 05:21	10
Diazinon	180	U	230	180	76	ug/Kg	☼	10/28/15 05:21	10
Dichlorvos	180	U	240	180	77	ug/Kg	☼	10/28/15 05:21	10
Dimethoate	180	U	230	180	74	ug/Kg	☼	10/28/15 05:21	10
Disulfoton	180	U	500	180	81	ug/Kg	☼	10/28/15 05:21	10
EPN	84	U	140	84	38	ug/Kg	☼	10/28/15 05:21	10
Mocap	180	U	160	180	52	ug/Kg	☼	10/28/15 05:21	10
Ethyl Parathion	180	U	190	180	55	ug/Kg	☼	10/28/15 05:21	10
Famphur	84	U	140	84	34	ug/Kg	☼	10/28/15 05:21	10
Fensulfothion	180	U	260	180	85	ug/Kg	☼	10/28/15 05:21	10
Fenthion	350	U	350	350	91	ug/Kg	☼	10/28/15 05:21	10
Malathion	180	U	160	180	49	ug/Kg	☼	10/28/15 05:21	10
Merphos	180	U	310	180	54	ug/Kg	☼	10/28/15 05:21	10
Methyl parathion	180	U	210	180	67	ug/Kg	☼	10/28/15 05:21	10
Mevinphos	180	U	160	180	48	ug/Kg	☼	10/28/15 05:21	10
Phorate	180	U	210	180	60	ug/Kg	☼	10/28/15 05:21	10
Phosmet	700	U	700	700	200	ug/Kg	☼	10/28/15 05:21	10
Propazine	350	U	700	350	90	ug/Kg	☼	10/28/15 05:21	10
Ronnel	350	U	480	350	160	ug/Kg	☼	10/28/15 05:21	10
Simazine	700	U	700	700	230	ug/Kg	☼	10/28/15 05:21	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	10/28/15 05:21	10
Sulfotepp	180	U	210	180	65	ug/Kg	☼	10/28/15 05:21	10
Thionazin	180	U	190	180	58	ug/Kg	☼	10/28/15 05:21	10
Tokuthion	84	U	210	84	41	ug/Kg	☼	10/28/15 05:21	10
Trichloronate	180	U	210	180	65	ug/Kg	☼	10/28/15 05:21	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	82	ug/Kg	☼	10/28/15 05:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*60*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 05:21*	*10*

Client Sample ID: AOPSE501

Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5

Matrix: Solid
Percent Solids: 93.5

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7000	U	7300	7000	2400	ug/Kg	☼	10/27/15 20:15	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*44*	*D Q*	*47 - 161*	*10/24/15 12:30*	*10/27/15 20:15*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.027	U	0.044	0.027	0.027	mg/Kg	☼	10/24/15 01:08	5
Dalapon	0.043	U	0.53	0.043	0.015	mg/Kg	☼	10/24/15 01:08	5
2,4-DB	0.027	U Q	0.044	0.027	0.016	mg/Kg	☼	10/24/15 01:08	5
Dicamba	0.027	U	0.044	0.027	0.010	mg/Kg	☼	10/24/15 01:08	5
Dichlorprop	0.011	U	0.044	0.011	0.0059	mg/Kg	☼	10/24/15 01:08	5
Dinoseb	0.027	U	0.27	0.027	0.025	mg/Kg	☼	10/24/15 01:08	5
MCPA	2.6	U	11	2.6	1.0	mg/Kg	☼	10/24/15 01:08	5
MCPP	2.6	U	11	2.6	0.91	mg/Kg	☼	10/24/15 01:08	5
Pentachlorophenol	0.0053	U	0.044	0.0053	0.0022	mg/Kg	☼	10/24/15 01:08	5
Silvex (2,4,5-TP)	0.027	U	0.044	0.027	0.0085	mg/Kg	☼	10/24/15 01:08	5
2,4,5-T	0.027	U	0.044	0.027	0.012	mg/Kg	☼	10/24/15 01:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*57*		*27 - 122*	*10/21/15 09:26*	*10/24/15 01:08*	*5*

Client Sample ID: AOPCF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-6

Matrix: Solid
Percent Solids: 50.1

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	**0.18**	**J Q**	0.46	0.46	0.18	mg/Kg	☼	10/24/15 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*139*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 08:02*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.7	U H	1.7	1.7	0.70	mg/Kg	☼	10/27/15 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*136*	*Q*	*68 - 134*	*10/27/15 15:00*	*10/27/15 19:29*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	300	U	330	300	210	mg/Kg	☼	10/31/15 20:08	10
Oil Range Organics (C20-C36)	2000	U	2000	2000	2000	mg/Kg	☼	10/31/15 20:08	10
JP-4 Fuel	660	U	660	660	660	mg/Kg	☼	10/31/15 20:08	10
JP-5	330	U	330	330	330	mg/Kg	☼	10/31/15 20:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 20:08*	*10*

Client Sample ID: AOPCF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-6

Matrix: Solid
Percent Solids: 50.1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.037	U	0.17	0.037	0.015	mg/Kg	☼	10/23/15 17:55	50
alpha-BHC	0.037	U	0.17	0.037	0.014	mg/Kg	☼	10/23/15 17:55	50
alpha-Chlordane	0.037	U	0.17	0.037	0.018	mg/Kg	☼	10/23/15 17:55	50
beta-BHC	0.073	U	0.17	0.073	0.033	mg/Kg	☼	10/23/15 17:55	50
Chlordane (technical)	0.67	U	1.7	0.67	0.29	mg/Kg	☼	10/23/15 17:55	50
Chlorobenzilate	5.8	U	10	5.8	2.4	mg/Kg	☼	10/23/15 17:55	50
4,4'-DDD	0.037	U	0.17	0.037	0.018	mg/Kg	☼	10/23/15 17:55	50
4,4'-DDE	**0.087**	**J D**	0.17	0.037	0.018	mg/Kg	☼	10/23/15 17:55	50
4,4'-DDT	**0.060**	**J D**	0.17	0.050	0.022	mg/Kg	☼	10/23/15 17:55	50
delta-BHC	0.050	U	0.17	0.050	0.019	mg/Kg	☼	10/23/15 17:55	50
Dieldrin	0.037	U	0.17	0.037	0.017	mg/Kg	☼	10/23/15 17:55	50
Endosulfan I	0.037	U	0.17	0.037	0.017	mg/Kg	☼	10/23/15 17:55	50
Endosulfan II	0.037	U	0.17	0.037	0.015	mg/Kg	☼	10/23/15 17:55	50
Endosulfan sulfate	0.050	U	0.17	0.050	0.021	mg/Kg	☼	10/23/15 17:55	50
Endrin	0.050	U	0.17	0.050	0.022	mg/Kg	☼	10/23/15 17:55	50
Endrin aldehyde	0.050	U	0.17	0.050	0.022	mg/Kg	☼	10/23/15 17:55	50
Endrin ketone	0.050	U	0.17	0.050	0.020	mg/Kg	☼	10/23/15 17:55	50
gamma-BHC (Lindane)	0.037	U	0.17	0.037	0.014	mg/Kg	☼	10/23/15 17:55	50
gamma-Chlordane	0.037	U	0.17	0.037	0.018	mg/Kg	☼	10/23/15 17:55	50
Heptachlor	0.050	U	0.17	0.050	0.019	mg/Kg	☼	10/23/15 17:55	50
Heptachlor epoxide	0.037	U	0.17	0.037	0.016	mg/Kg	☼	10/23/15 17:55	50
Isodrin	0.092	U	0.17	0.092	0.034	mg/Kg	☼	10/23/15 17:55	50
Kepone	3.5	U	10	3.5	1.3	mg/Kg	☼	10/23/15 17:55	50
Methoxychlor	0.073	U	0.17	0.073	0.028	mg/Kg	☼	10/23/15 17:55	50
PCB-1016	2.3	U	3.3	2.3	1.1	mg/Kg	☼	10/23/15 17:55	50
PCB-1221	3.0	U	3.3	3.0	1.5	mg/Kg	☼	10/23/15 17:55	50
PCB-1232	1.3	U	3.3	1.3	0.52	mg/Kg	☼	10/23/15 17:55	50
PCB-1242	1.3	U	3.3	1.3	0.50	mg/Kg	☼	10/23/15 17:55	50
PCB-1248	2.0	U	3.3	2.0	0.82	mg/Kg	☼	10/23/15 17:55	50
PCB-1254	3.0	U	3.3	3.0	1.0	mg/Kg	☼	10/23/15 17:55	50
PCB-1260	2.3	U	3.3	2.3	0.96	mg/Kg	☼	10/23/15 17:55	50
Toxaphene	1.3	U	17	1.3	0.55	mg/Kg	☼	10/23/15 17:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 17:55*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 17:55*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	650	U	1300	650	240	ug/Kg	☼	10/28/15 05:46	10
Azinphos-ethyl	650	U	650	650	170	ug/Kg	☼	10/28/15 05:46	10
Azinphos-methyl	160	U	260	160	69	ug/Kg	☼	10/28/15 05:46	10
Bolstar	340	U	260	340	84	ug/Kg	☼	10/28/15 05:46	10
Chlorpyrifos	340	U	390	340	130	ug/Kg	☼	10/28/15 05:46	10
Coumaphos	160	U	260	160	55	ug/Kg	☼	10/28/15 05:46	10
Demeton-O	450	U	770	450	100	ug/Kg	☼	10/28/15 05:46	10
Demeton-S	200	U	300	200	96	ug/Kg	☼	10/28/15 05:46	10
Demeton, Total	340	U	770	340	150	ug/Kg	☼	10/28/15 05:46	10
Diazinon	340	U	430	340	140	ug/Kg	☼	10/28/15 05:46	10
Dichlorvos	340	U	450	340	150	ug/Kg	☼	10/28/15 05:46	10

Client Sample ID: AOPCF101
Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-6
Matrix: Solid
Percent Solids: 50.1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dimethoate	340	U	430	340	140	ug/Kg	☼	10/28/15 05:46	10
Disulfoton	340	U	950	340	150	ug/Kg	☼	10/28/15 05:46	10
EPN	160	U	260	160	73	ug/Kg	☼	10/28/15 05:46	10
Mocap	340	U	300	340	97	ug/Kg	☼	10/28/15 05:46	10
Ethyl Parathion	340	U	350	340	100	ug/Kg	☼	10/28/15 05:46	10
Famphur	160	U	260	160	63	ug/Kg	☼	10/28/15 05:46	10
Fensulfothion	340	U	490	340	160	ug/Kg	☼	10/28/15 05:46	10
Fenthion	650	U	650	650	170	ug/Kg	☼	10/28/15 05:46	10
Malathion	340	U	300	340	91	ug/Kg	☼	10/28/15 05:46	10
Merphos	340	U	590	340	100	ug/Kg	☼	10/28/15 05:46	10
Methyl parathion	340	U	390	340	130	ug/Kg	☼	10/28/15 05:46	10
Mevinphos	340	U	300	340	91	ug/Kg	☼	10/28/15 05:46	10
Phorate	340	U	390	340	110	ug/Kg	☼	10/28/15 05:46	10
Phosmet	1300	U	1300	1300	380	ug/Kg	☼	10/28/15 05:46	10
Propazine	650	U	1300	650	170	ug/Kg	☼	10/28/15 05:46	10
Ronnel	650	U	910	650	300	ug/Kg	☼	10/28/15 05:46	10
Simazine	1300	U	1300	1300	440	ug/Kg	☼	10/28/15 05:46	10
Tetrachlorvinphos (Stirophos)	340	U	300	340	86	ug/Kg	☼	10/28/15 05:46	10
Sulfotepp	340	U	390	340	120	ug/Kg	☼	10/28/15 05:46	10
Thionazin	340	U	350	340	110	ug/Kg	☼	10/28/15 05:46	10
Tokuthion	160	U	390	160	77	ug/Kg	☼	10/28/15 05:46	10
Trichloronate	340	U	390	340	120	ug/Kg	☼	10/28/15 05:46	10
o,o',o''-Triethylphosphorothioate	340	U	770	340	150	ug/Kg	☼	10/28/15 05:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*104*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 05:46*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	13000	U	14000	13000	4500	ug/Kg	☼	10/27/15 20:40	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*69*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 20:40*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.050	U	0.082	0.050	0.050	mg/Kg	☼	10/24/15 01:26	5
Dalapon	0.079	U	0.99	0.079	0.029	mg/Kg	☼	10/24/15 01:26	5
2,4-DB	0.050	U Q	0.082	0.050	0.030	mg/Kg	☼	10/24/15 01:26	5
Dicamba	0.050	U	0.082	0.050	0.019	mg/Kg	☼	10/24/15 01:26	5
Dichlorprop	0.020	U	0.082	0.020	0.011	mg/Kg	☼	10/24/15 01:26	5
Dinoseb	0.050	U	0.50	0.050	0.046	mg/Kg	☼	10/24/15 01:26	5
MCPA	4.8	U	20	4.8	1.9	mg/Kg	☼	10/24/15 01:26	5
MCPP	4.8	U	20	4.8	1.7	mg/Kg	☼	10/24/15 01:26	5
Pentachlorophenol	0.0099	U	0.082	0.0099	0.0042	mg/Kg	☼	10/24/15 01:26	5
Silvex (2,4,5-TP)	0.050	U	0.082	0.050	0.016	mg/Kg	☼	10/24/15 01:26	5
2,4,5-T	0.050	U	0.082	0.050	0.023	mg/Kg	☼	10/24/15 01:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*64*		*27 - 122*	*10/21/15 09:26*	*10/24/15 01:26*	*5*

Client Sample ID: AOPSC401

Date Collected: 10/10/15 15:30
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-7

Matrix: Solid
Percent Solids: 85.4

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	**0.12**	**J Q**	0.28	0.28	0.11	mg/Kg	☼	10/24/15 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*155*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 08:25*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U H	1.4	1.4	0.58	mg/Kg	☼	10/27/15 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*136*	*Q*	*68 - 134*	*10/27/15 15:00*	*10/27/15 19:53*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	U	190	170	120	mg/Kg	☼	10/31/15 20:23	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/31/15 20:23	10
JP-4 Fuel	380	U	380	380	380	mg/Kg	☼	10/31/15 20:23	10
JP-5	190	U	190	190	190	mg/Kg	☼	10/31/15 20:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 20:23*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.011	U	0.050	0.011	0.0044	mg/Kg	☼	10/23/15 18:10	25
alpha-BHC	0.011	U	0.050	0.011	0.0041	mg/Kg	☼	10/23/15 18:10	25
alpha-Chlordane	0.011	U	0.050	0.011	0.0053	mg/Kg	☼	10/23/15 18:10	25
beta-BHC	0.021	U	0.050	0.021	0.0096	mg/Kg	☼	10/23/15 18:10	25
Chlordane (technical)	0.20	U	0.50	0.20	0.085	mg/Kg	☼	10/23/15 18:10	25
Chlorobenzilate	1.7	U	2.9	1.7	0.70	mg/Kg	☼	10/23/15 18:10	25
4,4'-DDD	0.011	U	0.050	0.011	0.0053	mg/Kg	☼	10/23/15 18:10	25
4,4'-DDE	**0.013**	**J D**	0.050	0.011	0.0053	mg/Kg	☼	10/23/15 18:10	25
4,4'-DDT	0.015	U	0.050	0.015	0.0064	mg/Kg	☼	10/23/15 18:10	25
delta-BHC	0.015	U	0.050	0.015	0.0056	mg/Kg	☼	10/23/15 18:10	25
Dieldrin	0.011	U	0.050	0.011	0.0050	mg/Kg	☼	10/23/15 18:10	25
Endosulfan I	0.011	U	0.050	0.011	0.0050	mg/Kg	☼	10/23/15 18:10	25
Endosulfan II	0.011	U	0.050	0.011	0.0044	mg/Kg	☼	10/23/15 18:10	25
Endosulfan sulfate	0.015	U	0.050	0.015	0.0061	mg/Kg	☼	10/23/15 18:10	25
Endrin	0.015	U	0.050	0.015	0.0064	mg/Kg	☼	10/23/15 18:10	25
Endrin aldehyde	0.015	U	0.050	0.015	0.0064	mg/Kg	☼	10/23/15 18:10	25
Endrin ketone	0.015	U	0.050	0.015	0.0058	mg/Kg	☼	10/23/15 18:10	25
gamma-BHC (Lindane)	0.011	U	0.050	0.011	0.0041	mg/Kg	☼	10/23/15 18:10	25
gamma-Chlordane	0.011	U	0.050	0.011	0.0053	mg/Kg	☼	10/23/15 18:10	25
Heptachlor	0.015	U	0.050	0.015	0.0056	mg/Kg	☼	10/23/15 18:10	25
Heptachlor epoxide	0.011	U	0.050	0.011	0.0047	mg/Kg	☼	10/23/15 18:10	25
Isodrin	0.027	U	0.050	0.027	0.0099	mg/Kg	☼	10/23/15 18:10	25
Kepone	1.0	U	2.9	1.0	0.38	mg/Kg	☼	10/23/15 18:10	25
Methoxychlor	0.021	U	0.050	0.021	0.0082	mg/Kg	☼	10/23/15 18:10	25
PCB-1016	0.67	U	0.96	0.67	0.32	mg/Kg	☼	10/23/15 18:10	25
PCB-1221	0.88	U	0.96	0.88	0.44	mg/Kg	☼	10/23/15 18:10	25

Client Sample ID: AOPSC401
Date Collected: 10/10/15 15:30
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-7
Matrix: Solid
Percent Solids: 85.4

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1232	0.38	U	0.96	0.38	0.15	mg/Kg	☼	10/23/15 18:10	25
PCB-1242	0.38	U	0.96	0.38	0.15	mg/Kg	☼	10/23/15 18:10	25
PCB-1248	0.58	U	0.96	0.58	0.24	mg/Kg	☼	10/23/15 18:10	25
PCB-1254	0.88	U	0.96	0.88	0.29	mg/Kg	☼	10/23/15 18:10	25
PCB-1260	0.67	U	0.96	0.67	0.28	mg/Kg	☼	10/23/15 18:10	25
Toxaphene	0.38	U	5.0	0.38	0.16	mg/Kg	☼	10/23/15 18:10	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 18:10*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 18:10*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	370	U	750	370	130	ug/Kg	☼	10/28/15 06:10	10
Azinphos-ethyl	370	U	370	370	96	ug/Kg	☼	10/28/15 06:10	10
Azinphos-methyl	89	U	140	89	39	ug/Kg	☼	10/28/15 06:10	10
Bolstar	190	U	140	190	47	ug/Kg	☼	10/28/15 06:10	10
Chlorpyrifos	190	U	220	190	72	ug/Kg	☼	10/28/15 06:10	10
Coumaphos	89	U	140	89	31	ug/Kg	☼	10/28/15 06:10	10
Demeton-O	260	U	430	260	59	ug/Kg	☼	10/28/15 06:10	10
Demeton-S	110	U	170	110	54	ug/Kg	☼	10/28/15 06:10	10
Demeton, Total	190	U	430	190	84	ug/Kg	☼	10/28/15 06:10	10
Diazinon	190	U	240	190	81	ug/Kg	☼	10/28/15 06:10	10
Dichlorvos	190	U	260	190	82	ug/Kg	☼	10/28/15 06:10	10
Dimethoate	190	U	240	190	79	ug/Kg	☼	10/28/15 06:10	10
Disulfoton	190	U	530	190	86	ug/Kg	☼	10/28/15 06:10	10
EPN	89	U	140	89	41	ug/Kg	☼	10/28/15 06:10	10
Mocap	190	U	170	190	55	ug/Kg	☼	10/28/15 06:10	10
Ethyl Parathion	190	U	200	190	59	ug/Kg	☼	10/28/15 06:10	10
Famphur	89	U	140	89	36	ug/Kg	☼	10/28/15 06:10	10
Fensulfothion	190	U	280	190	91	ug/Kg	☼	10/28/15 06:10	10
Fenthion	370	U	370	370	97	ug/Kg	☼	10/28/15 06:10	10
Malathion	190	U	170	190	52	ug/Kg	☼	10/28/15 06:10	10
Merphos	190	U	330	190	57	ug/Kg	☼	10/28/15 06:10	10
Methyl parathion	190	U	220	190	71	ug/Kg	☼	10/28/15 06:10	10
Mevinphos	190	U	170	190	51	ug/Kg	☼	10/28/15 06:10	10
Phorate	190	U	220	190	63	ug/Kg	☼	10/28/15 06:10	10
Phosmet	750	U	750	750	210	ug/Kg	☼	10/28/15 06:10	10
Propazine	370	U	750	370	96	ug/Kg	☼	10/28/15 06:10	10
Ronnel	370	U	510	370	170	ug/Kg	☼	10/28/15 06:10	10
Simazine	750	U	750	750	250	ug/Kg	☼	10/28/15 06:10	10
Tetrachlorvinphos (Stirophos)	190	U	170	190	48	ug/Kg	☼	10/28/15 06:10	10
Sulfotepp	190	U	220	190	70	ug/Kg	☼	10/28/15 06:10	10
Thionazin	190	U	200	190	62	ug/Kg	☼	10/28/15 06:10	10
Tokuthion	89	U	220	89	43	ug/Kg	☼	10/28/15 06:10	10
Trichloronate	190	U	220	190	70	ug/Kg	☼	10/28/15 06:10	10
o,o',o''-Triethylphosphorothioate	190	U	430	190	87	ug/Kg	☼	10/28/15 06:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*124*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 06:10*	*10*

Client Sample ID: AOPSC401

Date Collected: 10/10/15 15:30
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-7

Matrix: Solid
Percent Solids: 85.4

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7500	U	7800	7500	2500	ug/Kg	☼	10/27/15 21:04	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*159*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 21:04*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0058	U	0.0097	0.0058	0.0058	mg/Kg	☼	10/24/15 05:04	1
Dalapon	0.0093	U	0.12	0.0093	0.0034	mg/Kg	☼	10/24/15 05:04	1
2,4-DB	0.0058	U Q	0.0097	0.0058	0.0035	mg/Kg	☼	10/24/15 05:04	1
Dicamba	0.0058	U	0.0097	0.0058	0.0022	mg/Kg	☼	10/24/15 05:04	1
Dichlorprop	0.0023	U	0.0097	0.0023	0.0013	mg/Kg	☼	10/24/15 05:04	1
Dinoseb	0.0058	U	0.058	0.0058	0.0054	mg/Kg	☼	10/24/15 05:04	1
MCPA	0.56	U	2.3	0.56	0.22	mg/Kg	☼	10/24/15 05:04	1
MCPP	0.56	U	2.3	0.56	0.20	mg/Kg	☼	10/24/15 05:04	1
Pentachlorophenol	0.0012	U	0.0097	0.0012	0.00049	mg/Kg	☼	10/24/15 05:04	1
Silvex (2,4,5-TP)	0.0058	U	0.0097	0.0058	0.0019	mg/Kg	☼	10/24/15 05:04	1
2,4,5-T	0.0058	U	0.0097	0.0058	0.0027	mg/Kg	☼	10/24/15 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*69*		*27 - 122*	*10/21/15 09:26*	*10/24/15 05:04*	*1*

Client Sample ID: AOPSF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-8

Matrix: Solid
Percent Solids: 56.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	**0.21**	**J Q**	0.41	0.41	0.17	mg/Kg	☼	10/24/15 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*172*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 08:48*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.7	U H	1.7	1.7	0.69	mg/Kg	☼	10/27/15 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*133*		*68 - 134*	*10/27/15 15:00*	*10/27/15 20:16*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	270	U	290	270	190	mg/Kg	☼	10/31/15 20:38	10
Oil Range Organics (C20-C36)	1800	U	1800	1800	1800	mg/Kg	☼	10/31/15 20:38	10
JP-4 Fuel	590	U	590	590	590	mg/Kg	☼	10/31/15 20:38	10
JP-5	290	U	290	290	290	mg/Kg	☼	10/31/15 20:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/31/15 20:38*	*10*

Client Sample ID: AOPSF101

Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-8

Matrix: Solid
Percent Solids: 56.3

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.033	U	0.15	0.033	0.013	mg/Kg	☼	10/23/15 18:26	50
alpha-BHC	0.033	U	0.15	0.033	0.012	mg/Kg	☼	10/23/15 18:26	50
alpha-Chlordane	0.033	U	0.15	0.033	0.016	mg/Kg	☼	10/23/15 18:26	50
beta-BHC	0.065	U	0.15	0.065	0.029	mg/Kg	☼	10/23/15 18:26	50
Chlordane (technical)	0.60	U	1.5	0.60	0.26	mg/Kg	☼	10/23/15 18:26	50
Chlorobenzilate	5.2	U	8.9	5.2	2.1	mg/Kg	☼	10/23/15 18:26	50
4,4'-DDD	0.033	U	0.15	0.033	0.016	mg/Kg	☼	10/23/15 18:26	50
4,4'-DDE	**0.14**	**J D**	0.15	0.033	0.016	mg/Kg	☼	10/23/15 18:26	50
4,4'-DDT	**0.10**	**J D**	0.15	0.044	0.020	mg/Kg	☼	10/23/15 18:26	50
delta-BHC	0.044	U	0.15	0.044	0.017	mg/Kg	☼	10/23/15 18:26	50
Dieldrin	0.033	U	0.15	0.033	0.015	mg/Kg	☼	10/23/15 18:26	50
Endosulfan I	0.033	U	0.15	0.033	0.015	mg/Kg	☼	10/23/15 18:26	50
Endosulfan II	0.033	U	0.15	0.033	0.013	mg/Kg	☼	10/23/15 18:26	50
Endosulfan sulfate	0.044	U	0.15	0.044	0.019	mg/Kg	☼	10/23/15 18:26	50
Endrin	0.044	U	0.15	0.044	0.020	mg/Kg	☼	10/23/15 18:26	50
Endrin aldehyde	0.044	U	0.15	0.044	0.020	mg/Kg	☼	10/23/15 18:26	50
Endrin ketone	0.044	U	0.15	0.044	0.018	mg/Kg	☼	10/23/15 18:26	50
gamma-BHC (Lindane)	0.033	U	0.15	0.033	0.012	mg/Kg	☼	10/23/15 18:26	50
gamma-Chlordane	0.033	U	0.15	0.033	0.016	mg/Kg	☼	10/23/15 18:26	50
Heptachlor	0.044	U	0.15	0.044	0.017	mg/Kg	☼	10/23/15 18:26	50
Heptachlor epoxide	0.033	U	0.15	0.033	0.014	mg/Kg	☼	10/23/15 18:26	50
Isodrin	0.082	U	0.15	0.082	0.030	mg/Kg	☼	10/23/15 18:26	50
Kepone	3.1	U	8.9	3.1	1.2	mg/Kg	☼	10/23/15 18:26	50
Methoxychlor	0.065	U	0.15	0.065	0.025	mg/Kg	☼	10/23/15 18:26	50
PCB-1016	2.0	U	2.9	2.0	0.98	mg/Kg	☼	10/23/15 18:26	50
PCB-1221	2.7	U	2.9	2.7	1.3	mg/Kg	☼	10/23/15 18:26	50
PCB-1232	1.2	U	2.9	1.2	0.46	mg/Kg	☼	10/23/15 18:26	50
PCB-1242	1.2	U	2.9	1.2	0.44	mg/Kg	☼	10/23/15 18:26	50
PCB-1248	1.8	U	2.9	1.8	0.73	mg/Kg	☼	10/23/15 18:26	50
PCB-1254	2.7	U	2.9	2.7	0.89	mg/Kg	☼	10/23/15 18:26	50
PCB-1260	2.0	U	2.9	2.0	0.85	mg/Kg	☼	10/23/15 18:26	50
Toxaphene	1.2	U	15	1.2	0.49	mg/Kg	☼	10/23/15 18:26	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 18:26*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 18:26*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	570	U	1200	570	210	ug/Kg	☼	10/28/15 06:35	10
Azinphos-ethyl	570	U	570	570	150	ug/Kg	☼	10/28/15 06:35	10
Azinphos-methyl	140	U	220	140	60	ug/Kg	☼	10/28/15 06:35	10
Bolstar	290	U	220	290	73	ug/Kg	☼	10/28/15 06:35	10
Chlorpyrifos	290	U	340	290	110	ug/Kg	☼	10/28/15 06:35	10
Coumaphos	140	U	220	140	48	ug/Kg	☼	10/28/15 06:35	10
Demeton-O	400	U	670	400	91	ug/Kg	☼	10/28/15 06:35	10
Demeton-S	170	U	260	170	84	ug/Kg	☼	10/28/15 06:35	10
Demeton, Total	290	U	670	290	130	ug/Kg	☼	10/28/15 06:35	10
Diazinon	290	U	380	290	120	ug/Kg	☼	10/28/15 06:35	10
Dichlorvos	290	U	400	290	130	ug/Kg	☼	10/28/15 06:35	10

Client Sample ID: AOPSF101
Date Collected: 10/10/15 17:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-8
Matrix: Solid
Percent Solids: 56.3

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dimethoate	290	U	380	290	120	ug/Kg	☼	10/28/15 06:35	10
Disulfoton	290	U	830	290	130	ug/Kg	☼	10/28/15 06:35	10
EPN	140	U	220	140	63	ug/Kg	☼	10/28/15 06:35	10
Mocap	290	U	260	290	85	ug/Kg	☼	10/28/15 06:35	10
Ethyl Parathion	290	U	310	290	91	ug/Kg	☼	10/28/15 06:35	10
Famphur	140	U	220	140	55	ug/Kg	☼	10/28/15 06:35	10
Fensulfothion	290	U	430	290	140	ug/Kg	☼	10/28/15 06:35	10
Fenthion	570	U	570	570	150	ug/Kg	☼	10/28/15 06:35	10
Malathion	290	U	260	290	80	ug/Kg	☼	10/28/15 06:35	10
Merphos	290	U	520	290	88	ug/Kg	☼	10/28/15 06:35	10
Methyl parathion	290	U	340	290	110	ug/Kg	☼	10/28/15 06:35	10
Mevinphos	290	U	260	290	79	ug/Kg	☼	10/28/15 06:35	10
Phorate	290	U	340	290	98	ug/Kg	☼	10/28/15 06:35	10
Phosmet	1200	U	1200	1200	330	ug/Kg	☼	10/28/15 06:35	10
Propazine	570	U	1200	570	150	ug/Kg	☼	10/28/15 06:35	10
Ronnel	570	U	790	570	260	ug/Kg	☼	10/28/15 06:35	10
Simazine	1200	U	1200	1200	380	ug/Kg	☼	10/28/15 06:35	10
Tetrachlorvinphos (Stirophos)	290	U	260	290	75	ug/Kg	☼	10/28/15 06:35	10
Sulfotepp	290	U	340	290	110	ug/Kg	☼	10/28/15 06:35	10
Thionazin	290	U	310	290	96	ug/Kg	☼	10/28/15 06:35	10
Tokuthion	140	U	340	140	67	ug/Kg	☼	10/28/15 06:35	10
Trichloronate	290	U	340	290	110	ug/Kg	☼	10/28/15 06:35	10
o,o',o''-Triethylphosphorothioate	290	U	670	290	130	ug/Kg	☼	10/28/15 06:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*68*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 06:35*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	12000	U	12000	12000	3900	ug/Kg	☼	10/27/15 21:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*59*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 21:29*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.088	U	0.15	0.088	0.088	mg/Kg	☼	10/24/15 05:23	10
Dalapon	0.14	U	1.8	0.14	0.051	mg/Kg	☼	10/24/15 05:23	10
2,4-DB	0.088	U Q	0.15	0.088	0.053	mg/Kg	☼	10/24/15 05:23	10
Dicamba	0.088	U	0.15	0.088	0.034	mg/Kg	☼	10/24/15 05:23	10
Dichlorprop	0.035	U	0.15	0.035	0.019	mg/Kg	☼	10/24/15 05:23	10
Dinoseb	0.088	U	0.88	0.088	0.081	mg/Kg	☼	10/24/15 05:23	10
MCPA	8.5	U	35	8.5	3.4	mg/Kg	☼	10/24/15 05:23	10
MCPP	8.5	U	35	8.5	3.0	mg/Kg	☼	10/24/15 05:23	10
Pentachlorophenol	0.018	U	0.15	0.018	0.0074	mg/Kg	☼	10/24/15 05:23	10
Silvex (2,4,5-TP)	0.088	U	0.15	0.088	0.028	mg/Kg	☼	10/24/15 05:23	10
2,4,5-T	0.088	U	0.15	0.088	0.041	mg/Kg	☼	10/24/15 05:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 05:23*	*10*

Client Sample ID: AOPSD501

Date Collected: 10/10/15 16:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-9

Matrix: Solid
Percent Solids: 64.1

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.37	U	0.37	0.37	0.15	mg/Kg	☼	10/24/15 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*145*	*M Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 09:12*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**200**	**J D**	260	230	160	mg/Kg	☼	10/27/15 18:08	10
Oil Range Organics (C20-C36)	1600	U	1600	1600	1600	mg/Kg	☼	10/27/15 18:08	10
JP-4 Fuel	510	U	510	510	510	mg/Kg	☼	10/27/15 18:08	10
JP-5	260	U	260	260	260	mg/Kg	☼	10/27/15 18:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 18:08*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.014	U	0.066	0.014	0.0059	mg/Kg	☼	10/23/15 18:41	25
alpha-BHC	0.014	U	0.066	0.014	0.0055	mg/Kg	☼	10/23/15 18:41	25
alpha-Chlordane	0.014	U	0.066	0.014	0.0070	mg/Kg	☼	10/23/15 18:41	25
beta-BHC	0.029	U	0.066	0.029	0.013	mg/Kg	☼	10/23/15 18:41	25
Chlordane (technical)	0.26	U	0.66	0.26	0.11	mg/Kg	☼	10/23/15 18:41	25
Chlorobenzilate	2.3	U	3.9	2.3	0.94	mg/Kg	☼	10/23/15 18:41	25
4,4'-DDD	0.014	U	0.066	0.014	0.0070	mg/Kg	☼	10/23/15 18:41	25
4,4'-DDE	**0.017**	**J D**	0.066	0.014	0.0070	mg/Kg	☼	10/23/15 18:41	25
4,4'-DDT	**0.0095**	**J D**	0.066	0.020	0.0086	mg/Kg	☼	10/23/15 18:41	25
delta-BHC	0.020	U	0.066	0.020	0.0074	mg/Kg	☼	10/23/15 18:41	25
Dieldrin	0.014	U	0.066	0.014	0.0066	mg/Kg	☼	10/23/15 18:41	25
Endosulfan I	0.014	U	0.066	0.014	0.0066	mg/Kg	☼	10/23/15 18:41	25
Endosulfan II	0.014	U	0.066	0.014	0.0059	mg/Kg	☼	10/23/15 18:41	25
Endosulfan sulfate	0.020	U	0.066	0.020	0.0082	mg/Kg	☼	10/23/15 18:41	25
Endrin	0.020	U	0.066	0.020	0.0086	mg/Kg	☼	10/23/15 18:41	25
Endrin aldehyde	0.020	U	0.066	0.020	0.0086	mg/Kg	☼	10/23/15 18:41	25
Endrin ketone	0.020	U	0.066	0.020	0.0078	mg/Kg	☼	10/23/15 18:41	25
gamma-BHC (Lindane)	0.014	U	0.066	0.014	0.0055	mg/Kg	☼	10/23/15 18:41	25
gamma-Chlordane	0.014	U	0.066	0.014	0.0070	mg/Kg	☼	10/23/15 18:41	25
Heptachlor	0.020	U	0.066	0.020	0.0074	mg/Kg	☼	10/23/15 18:41	25
Heptachlor epoxide	0.014	U	0.066	0.014	0.0063	mg/Kg	☼	10/23/15 18:41	25
Isodrin	0.036	U	0.066	0.036	0.013	mg/Kg	☼	10/23/15 18:41	25
Kepone	1.4	U	3.9	1.4	0.51	mg/Kg	☼	10/23/15 18:41	25
Methoxychlor	0.029	U	0.066	0.029	0.011	mg/Kg	☼	10/23/15 18:41	25
PCB-1016	0.90	U	1.3	0.90	0.43	mg/Kg	☼	10/23/15 18:41	25
PCB-1221	1.2	U	1.3	1.2	0.59	mg/Kg	☼	10/23/15 18:41	25
PCB-1232	0.51	U	1.3	0.51	0.20	mg/Kg	☼	10/23/15 18:41	25
PCB-1242	0.51	U	1.3	0.51	0.20	mg/Kg	☼	10/23/15 18:41	25
PCB-1248	0.78	U	1.3	0.78	0.32	mg/Kg	☼	10/23/15 18:41	25
PCB-1254	1.2	U	1.3	1.2	0.39	mg/Kg	☼	10/23/15 18:41	25
PCB-1260	0.90	U	1.3	0.90	0.38	mg/Kg	☼	10/23/15 18:41	25
Toxaphene	0.51	U	6.6	0.51	0.22	mg/Kg	☼	10/23/15 18:41	25

Client Sample ID: AOPSD501

Date Collected: 10/10/15 16:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-9

Matrix: Solid
Percent Solids: 64.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/20/15 14:35	10/23/15 18:41	25
Tetrachloro-m-xylene	0	D	46 - 130	10/20/15 14:35	10/23/15 18:41	25

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	470	U	950	470	170	ug/Kg	☼	10/28/15 07:00	10
Azinphos-ethyl	470	U	470	470	120	ug/Kg	☼	10/28/15 07:00	10
Azinphos-methyl	110	U	190	110	50	ug/Kg	☼	10/28/15 07:00	10
Bolstar	240	U	190	240	60	ug/Kg	☼	10/28/15 07:00	10
Chlorpyrifos	240	U	280	240	92	ug/Kg	☼	10/28/15 07:00	10
Coumaphos	110	U	190	110	40	ug/Kg	☼	10/28/15 07:00	10
Demeton-O	330	U	560	330	75	ug/Kg	☼	10/28/15 07:00	10
Demeton-S	140	U	210	140	69	ug/Kg	☼	10/28/15 07:00	10
Demeton, Total	240	U	560	240	110	ug/Kg	☼	10/28/15 07:00	10
Diazinon	240	U	310	240	100	ug/Kg	☼	10/28/15 07:00	10
Dichlorvos	240	U	330	240	110	ug/Kg	☼	10/28/15 07:00	10
Dimethoate	240	U	310	240	100	ug/Kg	☼	10/28/15 07:00	10
Disulfoton	240	U	680	240	110	ug/Kg	☼	10/28/15 07:00	10
EPN	110	U	190	110	52	ug/Kg	☼	10/28/15 07:00	10
Mocap	240	U	210	240	70	ug/Kg	☼	10/28/15 07:00	10
Ethyl Parathion	240	U	260	240	75	ug/Kg	☼	10/28/15 07:00	10
Famphur	110	U	190	110	46	ug/Kg	☼	10/28/15 07:00	10
Fensulfothion	240	U	360	240	120	ug/Kg	☼	10/28/15 07:00	10
Fenthion	470	U	470	470	120	ug/Kg	☼	10/28/15 07:00	10
Malathion	240	U	210	240	66	ug/Kg	☼	10/28/15 07:00	10
Merphos	240	U	430	240	73	ug/Kg	☼	10/28/15 07:00	10
Methyl parathion	240	U	280	240	91	ug/Kg	☼	10/28/15 07:00	10
Mevinphos	240	U	210	240	66	ug/Kg	☼	10/28/15 07:00	10
Phorate	240	U	280	240	81	ug/Kg	☼	10/28/15 07:00	10
Phosmet	950	U	950	950	270	ug/Kg	☼	10/28/15 07:00	10
Propazine	470	U	950	470	120	ug/Kg	☼	10/28/15 07:00	10
Ronnel	470	U	650	470	220	ug/Kg	☼	10/28/15 07:00	10
Simazine	950	U	950	950	310	ug/Kg	☼	10/28/15 07:00	10
Tetrachlorvinphos (Stirophos)	240	U	210	240	62	ug/Kg	☼	10/28/15 07:00	10
Sulfotepp	240	U	280	240	89	ug/Kg	☼	10/28/15 07:00	10
Thionazin	240	U	260	240	79	ug/Kg	☼	10/28/15 07:00	10
Tokuthion	110	U	280	110	56	ug/Kg	☼	10/28/15 07:00	10
Trichloronate	240	U	280	240	89	ug/Kg	☼	10/28/15 07:00	10
o,o',o''-Triethylphosphorothioate	240	U	560	240	110	ug/Kg	☼	10/28/15 07:00	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	119	D	47 - 161	10/24/15 12:30	10/28/15 07:00	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	9500	U	10000	9500	3200	ug/Kg	☼	10/27/15 21:54	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	92	D	47 - 161	10/24/15 12:30	10/27/15 21:54	100

Client Sample ID: AOPSD501

Date Collected: 10/10/15 16:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-9

Matrix: Solid
Percent Solids: 64.1

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.039	U	0.064	0.039	0.039	mg/Kg	☼	10/24/15 01:44	5
Dalapon	0.062	U	0.78	0.062	0.023	mg/Kg	☼	10/24/15 01:44	5
2,4-DB	0.039	U Q	0.064	0.039	0.023	mg/Kg	☼	10/24/15 01:44	5
Dicamba	0.039	U	0.064	0.039	0.015	mg/Kg	☼	10/24/15 01:44	5
Dichlorprop	0.016	U	0.064	0.016	0.0085	mg/Kg	☼	10/24/15 01:44	5
Dinoseb	0.039	U	0.39	0.039	0.036	mg/Kg	☼	10/24/15 01:44	5
MCPA	3.7	U	16	3.7	1.5	mg/Kg	☼	10/24/15 01:44	5
MCPP	3.7	U	16	3.7	1.3	mg/Kg	☼	10/24/15 01:44	5
Pentachlorophenol	0.0078	U	0.064	0.0078	0.0033	mg/Kg	☼	10/24/15 01:44	5
Silvex (2,4,5-TP)	0.039	U	0.064	0.039	0.012	mg/Kg	☼	10/24/15 01:44	5
2,4,5-T	0.039	U	0.064	0.039	0.018	mg/Kg	☼	10/24/15 01:44	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*57*		*27 - 122*	*10/21/15 09:26*	*10/24/15 01:44*	*5*

Client Sample ID: AOPSD401

Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10

Matrix: Solid
Percent Solids: 87.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.27	U Q	0.27	0.27	0.11	mg/Kg	☼	10/24/15 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*142*	*Q*	*68 - 134*	*10/24/15 03:00*	*10/24/15 09:35*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U H	1.3	1.3	0.53	mg/Kg	☼	10/27/15 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*136*	*Q*	*68 - 134*	*10/27/15 15:00*	*10/27/15 20:40*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	U	190	170	120	mg/Kg	☼	10/27/15 18:23	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/27/15 18:23	10
JP-4 Fuel	370	U	370	370	370	mg/Kg	☼	10/27/15 18:23	10
JP-5	190	U	190	190	190	mg/Kg	☼	10/27/15 18:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 18:23*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.011	U	0.048	0.011	0.0043	mg/Kg	☼	10/23/15 18:56	25
alpha-BHC	0.011	U	0.048	0.011	0.0040	mg/Kg	☼	10/23/15 18:56	25
alpha-Chlordane	0.011	U	0.048	0.011	0.0051	mg/Kg	☼	10/23/15 18:56	25
beta-BHC	0.021	U	0.048	0.021	0.0094	mg/Kg	☼	10/23/15 18:56	25
Chlordane (technical)	0.19	U	0.48	0.19	0.083	mg/Kg	☼	10/23/15 18:56	25
Chlorobenzilate	1.7	U	2.8	1.7	0.68	mg/Kg	☼	10/23/15 18:56	25

Client Sample ID: AOPSD401

Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10

Matrix: Solid
Percent Solids: 87.7

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.011	U	0.048	0.011	0.0051	mg/Kg	☼	10/23/15 18:56	25
4,4'-DDE	0.011	U	0.048	0.011	0.0051	mg/Kg	☼	10/23/15 18:56	25
4,4'-DDT	0.014	U	0.048	0.014	0.0063	mg/Kg	☼	10/23/15 18:56	25
delta-BHC	0.014	U	0.048	0.014	0.0054	mg/Kg	☼	10/23/15 18:56	25
Dieldrin	0.011	U	0.048	0.011	0.0048	mg/Kg	☼	10/23/15 18:56	25
Endosulfan I	0.011	U	0.048	0.011	0.0048	mg/Kg	☼	10/23/15 18:56	25
Endosulfan II	0.011	U	0.048	0.011	0.0043	mg/Kg	☼	10/23/15 18:56	25
Endosulfan sulfate	0.014	U	0.048	0.014	0.0060	mg/Kg	☼	10/23/15 18:56	25
Endrin	0.014	U	0.048	0.014	0.0063	mg/Kg	☼	10/23/15 18:56	25
Endrin aldehyde	0.014	U	0.048	0.014	0.0063	mg/Kg	☼	10/23/15 18:56	25
Endrin ketone	0.014	U	0.048	0.014	0.0057	mg/Kg	☼	10/23/15 18:56	25
gamma-BHC (Lindane)	0.011	U	0.048	0.011	0.0040	mg/Kg	☼	10/23/15 18:56	25
gamma-Chlordane	0.011	U	0.048	0.011	0.0051	mg/Kg	☼	10/23/15 18:56	25
Heptachlor	0.014	U	0.048	0.014	0.0054	mg/Kg	☼	10/23/15 18:56	25
Heptachlor epoxide	0.011	U	0.048	0.011	0.0046	mg/Kg	☼	10/23/15 18:56	25
Isodrin	0.026	U	0.048	0.026	0.0097	mg/Kg	☼	10/23/15 18:56	25
Kepone	1.0	U	2.8	1.0	0.37	mg/Kg	☼	10/23/15 18:56	25
Methoxychlor	0.021	U	0.048	0.021	0.0080	mg/Kg	☼	10/23/15 18:56	25
PCB-1016	0.66	U	0.94	0.66	0.31	mg/Kg	☼	10/23/15 18:56	25
PCB-1221	0.85	U	0.94	0.85	0.43	mg/Kg	☼	10/23/15 18:56	25
PCB-1232	0.37	U	0.94	0.37	0.15	mg/Kg	☼	10/23/15 18:56	25
PCB-1242	0.37	U	0.94	0.37	0.14	mg/Kg	☼	10/23/15 18:56	25
PCB-1248	0.57	U	0.94	0.57	0.23	mg/Kg	☼	10/23/15 18:56	25
PCB-1254	0.85	U	0.94	0.85	0.28	mg/Kg	☼	10/23/15 18:56	25
PCB-1260	0.66	U	0.94	0.66	0.27	mg/Kg	☼	10/23/15 18:56	25
Toxaphene	0.37	U	4.8	0.37	0.16	mg/Kg	☼	10/23/15 18:56	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 18:56*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 18:56*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	340	U	690	340	130	ug/Kg	☼	10/28/15 07:25	10
Azinphos-ethyl	340	U	340	340	90	ug/Kg	☼	10/28/15 07:25	10
Azinphos-methyl	83	U	130	83	36	ug/Kg	☼	10/28/15 07:25	10
Bolstar	180	U	130	180	44	ug/Kg	☼	10/28/15 07:25	10
Chlorpyrifos	180	U	210	180	67	ug/Kg	☼	10/28/15 07:25	10
Coumaphos	83	U	130	83	29	ug/Kg	☼	10/28/15 07:25	10
Demeton-O	240	U	400	240	55	ug/Kg	☼	10/28/15 07:25	10
Demeton-S	100	U	160	100	50	ug/Kg	☼	10/28/15 07:25	10
Demeton, Total	180	U	400	180	78	ug/Kg	☼	10/28/15 07:25	10
Diazinon	180	U	230	180	75	ug/Kg	☼	10/28/15 07:25	10
Dichlorvos	180	U	240	180	77	ug/Kg	☼	10/28/15 07:25	10
Dimethoate	180	U	230	180	73	ug/Kg	☼	10/28/15 07:25	10
Disulfoton	180	U	500	180	80	ug/Kg	☼	10/28/15 07:25	10
EPN	83	U	130	83	38	ug/Kg	☼	10/28/15 07:25	10
Mocap	180	U	160	180	51	ug/Kg	☼	10/28/15 07:25	10
Ethyl Parathion	180	U	190	180	55	ug/Kg	☼	10/28/15 07:25	10
Famphur	83	U	130	83	33	ug/Kg	☼	10/28/15 07:25	10

Client Sample ID: AOPSD401
Date Collected: 10/10/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-10
Matrix: Solid
Percent Solids: 87.7

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	180	U	260	180	85	ug/Kg	☼	10/28/15 07:25	10
Fenthion	340	U	340	340	91	ug/Kg	☼	10/28/15 07:25	10
Malathion	180	U	160	180	48	ug/Kg	☼	10/28/15 07:25	10
Merphos	180	U	310	180	53	ug/Kg	☼	10/28/15 07:25	10
Methyl parathion	180	U	210	180	66	ug/Kg	☼	10/28/15 07:25	10
Mevinphos	180	U	160	180	48	ug/Kg	☼	10/28/15 07:25	10
Phorate	180	U	210	180	59	ug/Kg	☼	10/28/15 07:25	10
Phosmet	690	U	690	690	200	ug/Kg	☼	10/28/15 07:25	10
Propazine	340	U	690	340	89	ug/Kg	☼	10/28/15 07:25	10
Ronnel	340	U	480	340	160	ug/Kg	☼	10/28/15 07:25	10
Simazine	690	U	690	690	230	ug/Kg	☼	10/28/15 07:25	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	45	ug/Kg	☼	10/28/15 07:25	10
Sulfotepp	180	U	210	180	65	ug/Kg	☼	10/28/15 07:25	10
Thionazin	180	U	190	180	58	ug/Kg	☼	10/28/15 07:25	10
Tokuthion	83	U	210	83	41	ug/Kg	☼	10/28/15 07:25	10
Trichloronate	180	U	210	180	65	ug/Kg	☼	10/28/15 07:25	10
o,o',o''-Triethylphosphorothioate	180	U	400	180	81	ug/Kg	☼	10/28/15 07:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*141*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 07:25*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6900	U	7300	6900	2300	ug/Kg	☼	10/27/15 22:19	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*105*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 22:19*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0057	U	0.0094	0.0057	0.0057	mg/Kg	☼	10/24/15 02:02	1
Dalapon	0.0091	U	0.11	0.0091	0.0033	mg/Kg	☼	10/24/15 02:02	1
2,4-DB	0.0057	U Q	0.0094	0.0057	0.0034	mg/Kg	☼	10/24/15 02:02	1
Dicamba	0.0057	U	0.0094	0.0057	0.0022	mg/Kg	☼	10/24/15 02:02	1
Dichlorprop	0.0023	U	0.0094	0.0023	0.0013	mg/Kg	☼	10/24/15 02:02	1
Dinoseb	0.0057	U	0.057	0.0057	0.0052	mg/Kg	☼	10/24/15 02:02	1
MCPA	0.55	U	2.3	0.55	0.22	mg/Kg	☼	10/24/15 02:02	1
MCPP	0.55	U	2.3	0.55	0.19	mg/Kg	☼	10/24/15 02:02	1
Pentachlorophenol	0.0011	U	0.0094	0.0011	0.00048	mg/Kg	☼	10/24/15 02:02	1
Silvex (2,4,5-TP)	0.0057	U	0.0094	0.0057	0.0018	mg/Kg	☼	10/24/15 02:02	1
2,4,5-T	0.0057	U	0.0094	0.0057	0.0026	mg/Kg	☼	10/24/15 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*68*		*27 - 122*	*10/21/15 09:26*	*10/24/15 02:02*	*1*

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid
Percent Solids: 86.2

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.51	mg/Kg	☼	10/24/15 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*138*	*Q*	*68 - 134*	*10/24/15 10:00*	*10/24/15 13:29*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	U	190	170	120	mg/Kg	☼	10/27/15 18:37	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/27/15 18:37	10
JP-4 Fuel	380	U	380	380	380	mg/Kg	☼	10/27/15 18:37	10
JP-5	190	U	190	190	190	mg/Kg	☼	10/27/15 18:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 18:37*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.011	U	0.049	0.011	0.0044	mg/Kg	☼	10/23/15 21:14	25
alpha-BHC	0.011	U	0.049	0.011	0.0041	mg/Kg	☼	10/23/15 21:14	25
alpha-Chlordane	0.011	U	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 21:14	25
beta-BHC	0.021	U	0.049	0.021	0.0096	mg/Kg	☼	10/23/15 21:14	25
Chlordane (technical)	0.19	U	0.49	0.19	0.084	mg/Kg	☼	10/23/15 21:14	25
Chlorobenzilate	1.7	U	2.9	1.7	0.70	mg/Kg	☼	10/23/15 21:14	25
4,4'-DDD	0.011	U	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 21:14	25
4,4'-DDE	**0.012**	**J D**	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 21:14	25
4,4'-DDT	0.015	U	0.049	0.015	0.0064	mg/Kg	☼	10/23/15 21:14	25
delta-BHC	0.015	U	0.049	0.015	0.0055	mg/Kg	☼	10/23/15 21:14	25
Dieldrin	0.011	U	0.049	0.011	0.0049	mg/Kg	☼	10/23/15 21:14	25
Endosulfan I	0.011	U	0.049	0.011	0.0049	mg/Kg	☼	10/23/15 21:14	25
Endosulfan II	0.011	U	0.049	0.011	0.0044	mg/Kg	☼	10/23/15 21:14	25
Endosulfan sulfate	0.015	U	0.049	0.015	0.0061	mg/Kg	☼	10/23/15 21:14	25
Endrin	0.015	U	0.049	0.015	0.0064	mg/Kg	☼	10/23/15 21:14	25
Endrin aldehyde	0.015	U	0.049	0.015	0.0064	mg/Kg	☼	10/23/15 21:14	25
Endrin ketone	0.015	U	0.049	0.015	0.0058	mg/Kg	☼	10/23/15 21:14	25
gamma-BHC (Lindane)	0.011	U	0.049	0.011	0.0041	mg/Kg	☼	10/23/15 21:14	25
gamma-Chlordane	0.011	U	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 21:14	25
Heptachlor	0.015	U	0.049	0.015	0.0055	mg/Kg	☼	10/23/15 21:14	25
Heptachlor epoxide	0.011	U	0.049	0.011	0.0046	mg/Kg	☼	10/23/15 21:14	25
Isodrin	0.027	U	0.049	0.027	0.0099	mg/Kg	☼	10/23/15 21:14	25
Kepone	1.0	U Q	2.9	1.0	0.38	mg/Kg	☼	10/23/15 21:14	25
Methoxychlor	0.021	U	0.049	0.021	0.0081	mg/Kg	☼	10/23/15 21:14	25
PCB-1016	0.67	U	0.96	0.67	0.32	mg/Kg	☼	10/23/15 21:14	25
PCB-1221	0.87	U	0.96	0.87	0.44	mg/Kg	☼	10/23/15 21:14	25
PCB-1232	0.38	U	0.96	0.38	0.15	mg/Kg	☼	10/23/15 21:14	25
PCB-1242	0.38	U	0.96	0.38	0.15	mg/Kg	☼	10/23/15 21:14	25
PCB-1248	0.58	U	0.96	0.58	0.24	mg/Kg	☼	10/23/15 21:14	25
PCB-1254	0.87	U	0.96	0.87	0.29	mg/Kg	☼	10/23/15 21:14	25
PCB-1260	0.67	U	0.96	0.67	0.28	mg/Kg	☼	10/23/15 21:14	25
Toxaphene	0.38	U	4.9	0.38	0.16	mg/Kg	☼	10/23/15 21:14	25

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid
Percent Solids: 86.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/20/15 14:35	10/23/15 21:14	25
Tetrachloro-m-xylene	0	D	46 - 130	10/20/15 14:35	10/23/15 21:14	25

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	740	360	130	ug/Kg	☼	10/28/15 16:46	10
Azinphos-ethyl	360	U	360	360	96	ug/Kg	☼	10/28/15 16:46	10
Azinphos-methyl	88	U	140	88	39	ug/Kg	☼	10/28/15 16:46	10
Bolstar	190	U	140	190	47	ug/Kg	☼	10/28/15 16:46	10
Chlorpyrifos	190	U	220	190	71	ug/Kg	☼	10/28/15 16:46	10
Coumaphos	88	U	140	88	31	ug/Kg	☼	10/28/15 16:46	10
Demeton-O	250	U	430	250	58	ug/Kg	☼	10/28/15 16:46	10
Demeton-S	110	U	170	110	54	ug/Kg	☼	10/28/15 16:46	10
Demeton, Total	190	U	430	190	83	ug/Kg	☼	10/28/15 16:46	10
Diazinon	190	U	240	190	80	ug/Kg	☼	10/28/15 16:46	10
Dichlorvos	190	U Q	250	190	82	ug/Kg	☼	10/28/15 16:46	10
Dimethoate	190	U	240	190	78	ug/Kg	☼	10/28/15 16:46	10
Disulfoton	190	U	530	190	85	ug/Kg	☼	10/28/15 16:46	10
EPN	88	U	140	88	41	ug/Kg	☼	10/28/15 16:46	10
Mocap	190	U	170	190	54	ug/Kg	☼	10/28/15 16:46	10
Ethyl Parathion	190	U	200	190	58	ug/Kg	☼	10/28/15 16:46	10
Famphur	88	U	140	88	36	ug/Kg	☼	10/28/15 16:46	10
Fensulfothion	190	U	280	190	90	ug/Kg	☼	10/28/15 16:46	10
Fenthion	360	U	360	360	97	ug/Kg	☼	10/28/15 16:46	10
Malathion	190	U	170	190	51	ug/Kg	☼	10/28/15 16:46	10
Merphos	190	U	330	190	57	ug/Kg	☼	10/28/15 16:46	10
Methyl parathion	190	U	220	190	70	ug/Kg	☼	10/28/15 16:46	10
Mevinphos	190	U	170	190	51	ug/Kg	☼	10/28/15 16:46	10
Phorate	190	U	220	190	63	ug/Kg	☼	10/28/15 16:46	10
Phosmet	740	U	740	740	210	ug/Kg	☼	10/28/15 16:46	10
Propazine	360	U	740	360	95	ug/Kg	☼	10/28/15 16:46	10
Ronnel	360	U	510	360	170	ug/Kg	☼	10/28/15 16:46	10
Simazine	740	U	740	740	240	ug/Kg	☼	10/28/15 16:46	10
Tetrachlorvinphos (Stirophos)	190	U	170	190	48	ug/Kg	☼	10/28/15 16:46	10
Sulfotepp	190	U	220	190	69	ug/Kg	☼	10/28/15 16:46	10
Thionazin	190	U	200	190	62	ug/Kg	☼	10/28/15 16:46	10
Tokuthion	88	U	220	88	43	ug/Kg	☼	10/28/15 16:46	10
Trichloronate	190	U	220	190	69	ug/Kg	☼	10/28/15 16:46	10
o,o',o''-Triethylphosphorothioate	190	U	430	190	87	ug/Kg	☼	10/28/15 16:46	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	119	D	47 - 161	10/24/15 12:30	10/28/15 16:46	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7400	U	7700	7400	2500	ug/Kg	☼	10/27/15 23:09	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	103	D	47 - 161	10/24/15 12:30	10/27/15 23:09	100

Client Sample ID: AOPSC701

Lab Sample ID: 680-117942-11
Date Collected: 10/11/15 11:20
Matrix: Solid
Date Received: 10/18/15 09:50
Percent Solids: 86.2

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.029	U	0.048	0.029	0.029	mg/Kg	☼	10/24/15 02:21	5
Dalapon	0.046	U	0.58	0.046	0.017	mg/Kg	☼	10/24/15 02:21	5
2,4-DB	0.029	U Q	0.048	0.029	0.017	mg/Kg	☼	10/24/15 02:21	5
Dicamba	0.029	U	0.048	0.029	0.011	mg/Kg	☼	10/24/15 02:21	5
Dichlorprop	0.012	U	0.048	0.012	0.0063	mg/Kg	☼	10/24/15 02:21	5
Dinoseb	0.029	U	0.29	0.029	0.027	mg/Kg	☼	10/24/15 02:21	5
MCPA	2.8	U	12	2.8	1.1	mg/Kg	☼	10/24/15 02:21	5
MCPP	2.8	U	12	2.8	0.98	mg/Kg	☼	10/24/15 02:21	5
Pentachlorophenol	0.0058	U	0.048	0.0058	0.0024	mg/Kg	☼	10/24/15 02:21	5
Silvex (2,4,5-TP)	0.029	U	0.048	0.029	0.0092	mg/Kg	☼	10/24/15 02:21	5
2,4,5-T	0.029	U	0.048	0.029	0.013	mg/Kg	☼	10/24/15 02:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*60*		*27 - 122*	*10/21/15 09:26*	*10/24/15 02:21*	*5*

Client Sample ID: AOPSC801

Lab Sample ID: 680-117942-12
Date Collected: 10/11/15 11:40
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 43.2

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2.6	U	2.6	2.6	1.0	mg/Kg	☼	10/24/15 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*128*		*68 - 134*	*10/24/15 10:00*	*10/24/15 13:53*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**320**	**J D**	380	350	240	mg/Kg	☼	10/27/15 18:52	10
Oil Range Organics (C20-C36)	2300	U	2300	2300	2300	mg/Kg	☼	10/27/15 18:52	10
JP-4 Fuel	760	U	760	760	760	mg/Kg	☼	10/27/15 18:52	10
JP-5	380	U	380	380	380	mg/Kg	☼	10/27/15 18:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 18:52*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.021	U	0.099	0.021	0.0087	mg/Kg	☼	10/23/15 21:29	25
alpha-BHC	0.021	U	0.099	0.021	0.0081	mg/Kg	☼	10/23/15 21:29	25
alpha-Chlordane	0.021	U	0.099	0.021	0.010	mg/Kg	☼	10/23/15 21:29	25
beta-BHC	0.042	U	0.099	0.042	0.019	mg/Kg	☼	10/23/15 21:29	25
Chlordane (technical)	0.39	U	0.99	0.39	0.17	mg/Kg	☼	10/23/15 21:29	25
Chlorobenzilate	3.4	U M	5.8	3.4	1.4	mg/Kg	☼	10/23/15 21:29	25
4,4'-DDD	0.021	U	0.099	0.021	0.010	mg/Kg	☼	10/23/15 21:29	25
4,4'-DDE	**0.038**	**J D**	0.099	0.021	0.010	mg/Kg	☼	10/23/15 21:29	25
4,4'-DDT	**0.056**	**J D**	0.099	0.029	0.013	mg/Kg	☼	10/23/15 21:29	25
delta-BHC	0.029	U	0.099	0.029	0.011	mg/Kg	☼	10/23/15 21:29	25
Dieldrin	0.021	U	0.099	0.021	0.0099	mg/Kg	☼	10/23/15 21:29	25
Endosulfan I	0.021	U	0.099	0.021	0.0099	mg/Kg	☼	10/23/15 21:29	25
Endosulfan II	0.021	U	0.099	0.021	0.0087	mg/Kg	☼	10/23/15 21:29	25

Client Sample ID: AOPSC801

Date Collected: 10/11/15 11:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-12

Matrix: Solid
Percent Solids: 43.2

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.029	U	0.099	0.029	0.012	mg/Kg	☼	10/23/15 21:29	25
Endrin	0.029	U	0.099	0.029	0.013	mg/Kg	☼	10/23/15 21:29	25
Endrin aldehyde	0.029	U	0.099	0.029	0.013	mg/Kg	☼	10/23/15 21:29	25
Endrin ketone	0.029	U	0.099	0.029	0.012	mg/Kg	☼	10/23/15 21:29	25
gamma-BHC (Lindane)	0.021	U	0.099	0.021	0.0081	mg/Kg	☼	10/23/15 21:29	25
gamma-Chlordane	0.021	U	0.099	0.021	0.010	mg/Kg	☼	10/23/15 21:29	25
Heptachlor	0.029	U	0.099	0.029	0.011	mg/Kg	☼	10/23/15 21:29	25
Heptachlor epoxide	0.021	U	0.099	0.021	0.0093	mg/Kg	☼	10/23/15 21:29	25
Isodrin	0.053	U	0.099	0.053	0.020	mg/Kg	☼	10/23/15 21:29	25
Kepone	2.0	U	5.8	2.0	0.75	mg/Kg	☼	10/23/15 21:29	25
Methoxychlor	0.042	U	0.099	0.042	0.016	mg/Kg	☼	10/23/15 21:29	25
PCB-1016	1.3	U	1.9	1.3	0.64	mg/Kg	☼	10/23/15 21:29	25
PCB-1221	1.7	U	1.9	1.7	0.87	mg/Kg	☼	10/23/15 21:29	25
PCB-1232	0.75	U	1.9	0.75	0.30	mg/Kg	☼	10/23/15 21:29	25
PCB-1242	0.75	U	1.9	0.75	0.29	mg/Kg	☼	10/23/15 21:29	25
PCB-1248	1.2	U	1.9	1.2	0.48	mg/Kg	☼	10/23/15 21:29	25
PCB-1254	1.7	U	1.9	1.7	0.58	mg/Kg	☼	10/23/15 21:29	25
PCB-1260	1.3	U	1.9	1.3	0.56	mg/Kg	☼	10/23/15 21:29	25
Toxaphene	0.75	U	9.9	0.75	0.32	mg/Kg	☼	10/23/15 21:29	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 21:29*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 21:29*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	740	U	1500	740	270	ug/Kg	☼	10/28/15 17:11	10
Azinphos-ethyl	740	U	740	740	200	ug/Kg	☼	10/28/15 17:11	10
Azinphos-methyl	180	U	290	180	79	ug/Kg	☼	10/28/15 17:11	10
Bolstar	380	U	290	380	96	ug/Kg	☼	10/28/15 17:11	10
Chlorpyrifos	380	U	450	380	150	ug/Kg	☼	10/28/15 17:11	10
Coumaphos	180	U	290	180	63	ug/Kg	☼	10/28/15 17:11	10
Demeton-O	520	U	880	520	120	ug/Kg	☼	10/28/15 17:11	10
Demeton-S	230	U	340	230	110	ug/Kg	☼	10/28/15 17:11	10
Demeton, Total	380	U	880	380	170	ug/Kg	☼	10/28/15 17:11	10
Diazinon	380	U	500	380	160	ug/Kg	☼	10/28/15 17:11	10
Dichlorvos	380	U	520	380	170	ug/Kg	☼	10/28/15 17:11	10
Dimethoate	380	U	500	380	160	ug/Kg	☼	10/28/15 17:11	10
Disulfoton	380	U	1100	380	170	ug/Kg	☼	10/28/15 17:11	10
EPN	180	U	290	180	83	ug/Kg	☼	10/28/15 17:11	10
Mocap	380	U	340	380	110	ug/Kg	☼	10/28/15 17:11	10
Ethyl Parathion	380	U	410	380	120	ug/Kg	☼	10/28/15 17:11	10
Famphur	180	U	290	180	73	ug/Kg	☼	10/28/15 17:11	10
Fensulfothion	380	U	560	380	180	ug/Kg	☼	10/28/15 17:11	10
Fenthion	740	U	740	740	200	ug/Kg	☼	10/28/15 17:11	10
Malathion	380	U	340	380	100	ug/Kg	☼	10/28/15 17:11	10
Merphos	380	U	680	380	120	ug/Kg	☼	10/28/15 17:11	10
Methyl parathion	380	U	450	380	140	ug/Kg	☼	10/28/15 17:11	10
Mevinphos	380	U	340	380	100	ug/Kg	☼	10/28/15 17:11	10
Phorate	380	U	450	380	130	ug/Kg	☼	10/28/15 17:11	10

Client Sample ID: AOPSC801

Date Collected: 10/11/15 11:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-12

Matrix: Solid
Percent Solids: 43.2

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phosmet	1500	U	1500	1500	440	ug/Kg	☼	10/28/15 17:11	10
Propazine	740	U	1500	740	190	ug/Kg	☼	10/28/15 17:11	10
Ronnel	740	U	1000	740	340	ug/Kg	☼	10/28/15 17:11	10
Simazine	1500	U	1500	1500	500	ug/Kg	☼	10/28/15 17:11	10
Tetrachlorvinphos (Stirophos)	380	U	340	380	98	ug/Kg	☼	10/28/15 17:11	10
Sulfotepp	380	U	450	380	140	ug/Kg	☼	10/28/15 17:11	10
Thionazin	380	U	410	380	130	ug/Kg	☼	10/28/15 17:11	10
Tokuthion	180	U	450	180	88	ug/Kg	☼	10/28/15 17:11	10
Trichloronate	380	U	450	380	140	ug/Kg	☼	10/28/15 17:11	10
o,o',o''-Triethylphosphorothioate	380	U	880	380	180	ug/Kg	☼	10/28/15 17:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*96*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 17:11*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	15000	U	16000	15000	5100	ug/Kg	☼	10/27/15 23:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*90*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 23:33*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.12	U	0.19	0.12	0.12	mg/Kg	☼	10/24/15 02:39	10
Dalapon	0.18	U	2.3	0.18	0.067	mg/Kg	☼	10/24/15 02:39	10
2,4-DB	0.12	U Q	0.19	0.12	0.069	mg/Kg	☼	10/24/15 02:39	10
Dicamba	0.12	U	0.19	0.12	0.044	mg/Kg	☼	10/24/15 02:39	10
Dichlorprop	0.046	U	0.19	0.046	0.025	mg/Kg	☼	10/24/15 02:39	10
Dinoseb	0.12	U	1.2	0.12	0.11	mg/Kg	☼	10/24/15 02:39	10
MCPA	11	U	46	11	4.4	mg/Kg	☼	10/24/15 02:39	10
MCPP	11	U	46	11	3.9	mg/Kg	☼	10/24/15 02:39	10
Pentachlorophenol	0.023	U	0.19	0.023	0.0097	mg/Kg	☼	10/24/15 02:39	10
Silvex (2,4,5-TP)	0.12	U	0.19	0.12	0.037	mg/Kg	☼	10/24/15 02:39	10
2,4,5-T	0.12	U	0.19	0.12	0.053	mg/Kg	☼	10/24/15 02:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 02:39*	*10*

Client Sample ID: AOPSG701

Date Collected: 10/11/15 17:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-13

Matrix: Solid
Percent Solids: 92.0

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.48	mg/Kg	☼	10/24/15 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*140*	*Q*	*68 - 134*	*10/24/15 10:00*	*10/24/15 14:16*	*1*

Client Sample ID: AOPSG701

Date Collected: 10/11/15 17:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-13

Matrix: Solid
Percent Solids: 92.0

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**130**	**J D**	180	160	110	mg/Kg	☼	10/27/15 19:07	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/27/15 19:07	10
JP-4 Fuel	360	U	360	360	360	mg/Kg	☼	10/27/15 19:07	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/27/15 19:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 19:07*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.020	U	0.090	0.020	0.0080	mg/Kg	☼	10/23/15 21:44	50
alpha-BHC	0.020	U	0.090	0.020	0.0074	mg/Kg	☼	10/23/15 21:44	50
alpha-Chlordane	0.020	U	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 21:44	50
beta-BHC	0.039	U	0.090	0.039	0.018	mg/Kg	☼	10/23/15 21:44	50
Chlordane (technical)	0.36	U	0.90	0.36	0.15	mg/Kg	☼	10/23/15 21:44	50
Chlorobenzilate	3.1	U	5.3	3.1	1.3	mg/Kg	☼	10/23/15 21:44	50
4,4'-DDD	0.020	U	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 21:44	50
4,4'-DDE	0.020	U	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 21:44	50
4,4'-DDT	0.027	U	0.090	0.027	0.012	mg/Kg	☼	10/23/15 21:44	50
delta-BHC	0.027	U	0.090	0.027	0.010	mg/Kg	☼	10/23/15 21:44	50
Dieldrin	0.020	U	0.090	0.020	0.0090	mg/Kg	☼	10/23/15 21:44	50
Endosulfan I	0.020	U	0.090	0.020	0.0090	mg/Kg	☼	10/23/15 21:44	50
Endosulfan II	0.020	U	0.090	0.020	0.0080	mg/Kg	☼	10/23/15 21:44	50
Endosulfan sulfate	0.027	U	0.090	0.027	0.011	mg/Kg	☼	10/23/15 21:44	50
Endrin	0.027	U	0.090	0.027	0.012	mg/Kg	☼	10/23/15 21:44	50
Endrin aldehyde	0.027	U	0.090	0.027	0.012	mg/Kg	☼	10/23/15 21:44	50
Endrin ketone	0.027	U	0.090	0.027	0.011	mg/Kg	☼	10/23/15 21:44	50
gamma-BHC (Lindane)	0.020	U	0.090	0.020	0.0074	mg/Kg	☼	10/23/15 21:44	50
gamma-Chlordane	0.020	U	0.090	0.020	0.0096	mg/Kg	☼	10/23/15 21:44	50
Heptachlor	0.027	U	0.090	0.027	0.010	mg/Kg	☼	10/23/15 21:44	50
Heptachlor epoxide	0.020	U	0.090	0.020	0.0085	mg/Kg	☼	10/23/15 21:44	50
Isodrin	0.049	U	0.090	0.049	0.018	mg/Kg	☼	10/23/15 21:44	50
Kepone	1.9	U	5.3	1.9	0.69	mg/Kg	☼	10/23/15 21:44	50
Methoxychlor	0.039	U	0.090	0.039	0.015	mg/Kg	☼	10/23/15 21:44	50
PCB-1016	1.2	U	1.8	1.2	0.58	mg/Kg	☼	10/23/15 21:44	50
PCB-1221	1.6	U	1.8	1.6	0.80	mg/Kg	☼	10/23/15 21:44	50
PCB-1232	0.69	U	1.8	0.69	0.28	mg/Kg	☼	10/23/15 21:44	50
PCB-1242	0.69	U	1.8	0.69	0.27	mg/Kg	☼	10/23/15 21:44	50
PCB-1248	1.1	U	1.8	1.1	0.44	mg/Kg	☼	10/23/15 21:44	50
PCB-1254	1.6	U	1.8	1.6	0.53	mg/Kg	☼	10/23/15 21:44	50
PCB-1260	1.2	U	1.8	1.2	0.51	mg/Kg	☼	10/23/15 21:44	50
Toxaphene	0.69	U	9.0	0.69	0.29	mg/Kg	☼	10/23/15 21:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 21:44*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 21:44*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	710	350	130	ug/Kg	☼	10/28/15 17:36	10

Client Sample ID: AOPSG701

Date Collected: 10/11/15 17:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-13

Matrix: Solid
Percent Solids: 92.0

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Azinphos-ethyl	350	U	350	350	91	ug/Kg	☼	10/28/15 17:36	10
Azinphos-methyl	84	U	140	84	37	ug/Kg	☼	10/28/15 17:36	10
Bolstar	180	U	140	180	45	ug/Kg	☼	10/28/15 17:36	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	10/28/15 17:36	10
Coumaphos	84	U	140	84	29	ug/Kg	☼	10/28/15 17:36	10
Demeton-O	240	U	410	240	56	ug/Kg	☼	10/28/15 17:36	10
Demeton-S	110	U	160	110	51	ug/Kg	☼	10/28/15 17:36	10
Demeton, Total	180	U	410	180	79	ug/Kg	☼	10/28/15 17:36	10
Diazinon	180	U	230	180	77	ug/Kg	☼	10/28/15 17:36	10
Dichlorvos	180	U	240	180	78	ug/Kg	☼	10/28/15 17:36	10
Dimethoate	180	U	230	180	75	ug/Kg	☼	10/28/15 17:36	10
Disulfoton	180	U	510	180	81	ug/Kg	☼	10/28/15 17:36	10
EPN	84	U	140	84	39	ug/Kg	☼	10/28/15 17:36	10
Mocap	180	U	160	180	52	ug/Kg	☼	10/28/15 17:36	10
Ethyl Parathion	180	U	190	180	56	ug/Kg	☼	10/28/15 17:36	10
Famphur	84	U	140	84	34	ug/Kg	☼	10/28/15 17:36	10
Fensulfothion	180	U	260	180	86	ug/Kg	☼	10/28/15 17:36	10
Fenthion	350	U	350	350	92	ug/Kg	☼	10/28/15 17:36	10
Malathion	180	U	160	180	49	ug/Kg	☼	10/28/15 17:36	10
Merphos	180	U	320	180	54	ug/Kg	☼	10/28/15 17:36	10
Methyl parathion	180	U	210	180	67	ug/Kg	☼	10/28/15 17:36	10
Mevinphos	180	U	160	180	49	ug/Kg	☼	10/28/15 17:36	10
Phorate	180	U	210	180	60	ug/Kg	☼	10/28/15 17:36	10
Phosmet	710	U	710	710	200	ug/Kg	☼	10/28/15 17:36	10
Propazine	350	U	710	350	91	ug/Kg	☼	10/28/15 17:36	10
Ronnel	350	U	480	350	160	ug/Kg	☼	10/28/15 17:36	10
Simazine	710	U	710	710	230	ug/Kg	☼	10/28/15 17:36	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	10/28/15 17:36	10
Sulfotepp	180	U	210	180	66	ug/Kg	☼	10/28/15 17:36	10
Thionazin	180	U	190	180	59	ug/Kg	☼	10/28/15 17:36	10
Tokuthion	84	U	210	84	41	ug/Kg	☼	10/28/15 17:36	10
Trichloronate	180	U	210	180	66	ug/Kg	☼	10/28/15 17:36	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	83	ug/Kg	☼	10/28/15 17:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*98*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 17:36*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7100	U	7400	7100	2400	ug/Kg	☼	10/27/15 23:58	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*87*	*D*	*47 - 161*	*10/24/15 12:30*	*10/27/15 23:58*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.054	U	0.090	0.054	0.054	mg/Kg	☼	10/24/15 02:57	10
Dalapon	0.087	U	1.1	0.087	0.031	mg/Kg	☼	10/24/15 02:57	10
2,4-DB	0.054	U Q	0.090	0.054	0.032	mg/Kg	☼	10/24/15 02:57	10
Dicamba	0.054	U	0.090	0.054	0.021	mg/Kg	☼	10/24/15 02:57	10

Client Sample ID: AOPSG701

Lab Sample ID: 680-117942-13
Date Collected: 10/11/15 17:40
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 92.0

Method: 8151A DOD - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dichlorprop	0.022	U	0.090	0.022	0.012	mg/Kg	☼	10/24/15 02:57	10
Dinoseb	0.054	U	0.54	0.054	0.050	mg/Kg	☼	10/24/15 02:57	10
MCPA	5.2	U	22	5.2	2.1	mg/Kg	☼	10/24/15 02:57	10
MCPP	5.2	U	22	5.2	1.8	mg/Kg	☼	10/24/15 02:57	10
Pentachlorophenol	0.011	U	0.090	0.011	0.0045	mg/Kg	☼	10/24/15 02:57	10
Silvex (2,4,5-TP)	0.054	U	0.090	0.054	0.017	mg/Kg	☼	10/24/15 02:57	10
2,4,5-T	0.054	U	0.090	0.054	0.025	mg/Kg	☼	10/24/15 02:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 02:57*	*10*

Client Sample ID: AOPSG1001

Lab Sample ID: 680-117942-14
Date Collected: 10/11/15 17:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 91.8

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.50	mg/Kg	☼	10/24/15 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*68 - 134*	*10/24/15 10:00*	*10/24/15 14:40*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/27/15 19:22	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/27/15 19:22	10
JP-4 Fuel	360	U	360	360	360	mg/Kg	☼	10/27/15 19:22	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/27/15 19:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 19:22*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.010	U	0.046	0.010	0.0040	mg/Kg	☼	10/23/15 22:00	25
alpha-BHC	0.010	U	0.046	0.010	0.0038	mg/Kg	☼	10/23/15 22:00	25
alpha-Chlordane	0.010	U	0.046	0.010	0.0048	mg/Kg	☼	10/23/15 22:00	25
beta-BHC	0.020	U	0.046	0.020	0.0089	mg/Kg	☼	10/23/15 22:00	25
Chlordane (technical)	0.18	U	0.46	0.18	0.078	mg/Kg	☼	10/23/15 22:00	25
Chlorobenzilate	1.6	U	2.7	1.6	0.65	mg/Kg	☼	10/23/15 22:00	25
4,4'-DDD	0.010	U	0.046	0.010	0.0048	mg/Kg	☼	10/23/15 22:00	25
4,4'-DDE	**0.080**	**D**	0.046	0.010	0.0048	mg/Kg	☼	10/23/15 22:00	25
4,4'-DDT	**0.022**	**J D**	0.046	0.013	0.0059	mg/Kg	☼	10/23/15 22:00	25
delta-BHC	0.013	U	0.046	0.013	0.0051	mg/Kg	☼	10/23/15 22:00	25
Dieldrin	0.010	U	0.046	0.010	0.0046	mg/Kg	☼	10/23/15 22:00	25
Endosulfan I	0.010	U	0.046	0.010	0.0046	mg/Kg	☼	10/23/15 22:00	25
Endosulfan II	0.010	U	0.046	0.010	0.0040	mg/Kg	☼	10/23/15 22:00	25
Endosulfan sulfate	0.013	U	0.046	0.013	0.0056	mg/Kg	☼	10/23/15 22:00	25
Endrin	0.013	U	0.046	0.013	0.0059	mg/Kg	☼	10/23/15 22:00	25
Endrin aldehyde	0.013	U	0.046	0.013	0.0059	mg/Kg	☼	10/23/15 22:00	25
Endrin ketone	0.013	U	0.046	0.013	0.0054	mg/Kg	☼	10/23/15 22:00	25

Client Sample ID: AOPSG1001

Date Collected: 10/11/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-14

Matrix: Solid
Percent Solids: 91.8

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.010	U	0.046	0.010	0.0038	mg/Kg	☼	10/23/15 22:00	25
gamma-Chlordane	0.010	U	0.046	0.010	0.0048	mg/Kg	☼	10/23/15 22:00	25
Heptachlor	0.013	U	0.046	0.013	0.0051	mg/Kg	☼	10/23/15 22:00	25
Heptachlor epoxide	0.010	U	0.046	0.010	0.0043	mg/Kg	☼	10/23/15 22:00	25
Isodrin	0.025	U	0.046	0.025	0.0091	mg/Kg	☼	10/23/15 22:00	25
Kepone	0.94	U	2.7	0.94	0.35	mg/Kg	☼	10/23/15 22:00	25
Methoxychlor	0.020	U	0.046	0.020	0.0075	mg/Kg	☼	10/23/15 22:00	25
PCB-1016	0.62	U	0.89	0.62	0.30	mg/Kg	☼	10/23/15 22:00	25
PCB-1221	0.81	U	0.89	0.81	0.40	mg/Kg	☼	10/23/15 22:00	25
PCB-1232	0.35	U	0.89	0.35	0.14	mg/Kg	☼	10/23/15 22:00	25
PCB-1242	0.35	U	0.89	0.35	0.13	mg/Kg	☼	10/23/15 22:00	25
PCB-1248	0.54	U	0.89	0.54	0.22	mg/Kg	☼	10/23/15 22:00	25
PCB-1254	0.81	U	0.89	0.81	0.27	mg/Kg	☼	10/23/15 22:00	25
PCB-1260	0.62	U	0.89	0.62	0.26	mg/Kg	☼	10/23/15 22:00	25
Toxaphene	0.35	U	4.6	0.35	0.15	mg/Kg	☼	10/23/15 22:00	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 22:00*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 22:00*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U	660	330	120	ug/Kg	☼	10/28/15 18:01	10
Azinphos-ethyl	330	U	330	330	86	ug/Kg	☼	10/28/15 18:01	10
Azinphos-methyl	79	U	130	79	35	ug/Kg	☼	10/28/15 18:01	10
Bolstar	170	U	130	170	42	ug/Kg	☼	10/28/15 18:01	10
Chlorpyrifos	170	U	200	170	64	ug/Kg	☼	10/28/15 18:01	10
Coumaphos	79	U	130	79	28	ug/Kg	☼	10/28/15 18:01	10
Demeton-O	230	U	390	230	52	ug/Kg	☼	10/28/15 18:01	10
Demeton-S	99	U	150	99	48	ug/Kg	☼	10/28/15 18:01	10
Demeton, Total	170	U	390	170	74	ug/Kg	☼	10/28/15 18:01	10
Diazinon	170	U	220	170	72	ug/Kg	☼	10/28/15 18:01	10
Dichlorvos	170	U	230	170	73	ug/Kg	☼	10/28/15 18:01	10
Dimethoate	170	U	220	170	70	ug/Kg	☼	10/28/15 18:01	10
Disulfoton	170	U	480	170	77	ug/Kg	☼	10/28/15 18:01	10
EPN	79	U	130	79	36	ug/Kg	☼	10/28/15 18:01	10
Mocap	170	U	150	170	49	ug/Kg	☼	10/28/15 18:01	10
Ethyl Parathion	170	U	180	170	52	ug/Kg	☼	10/28/15 18:01	10
Famphur	79	U	130	79	32	ug/Kg	☼	10/28/15 18:01	10
Fensulfothion	170	U	250	170	81	ug/Kg	☼	10/28/15 18:01	10
Fenthion	330	U	330	330	87	ug/Kg	☼	10/28/15 18:01	10
Malathion	170	U	150	170	46	ug/Kg	☼	10/28/15 18:01	10
Merphos	170	U	300	170	51	ug/Kg	☼	10/28/15 18:01	10
Methyl parathion	170	U	200	170	63	ug/Kg	☼	10/28/15 18:01	10
Mevinphos	170	U	150	170	46	ug/Kg	☼	10/28/15 18:01	10
Phorate	170	U	200	170	56	ug/Kg	☼	10/28/15 18:01	10
Phosmet	660	U	660	660	190	ug/Kg	☼	10/28/15 18:01	10
Propazine	330	U	660	330	85	ug/Kg	☼	10/28/15 18:01	10
Ronnel	330	U	460	330	150	ug/Kg	☼	10/28/15 18:01	10
Simazine	660	U	660	660	220	ug/Kg	☼	10/28/15 18:01	10

Client Sample ID: AOPSG1001

Date Collected: 10/11/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-14

Matrix: Solid
Percent Solids: 91.8

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Tetrachlorvinphos (Stirophos)	170	U	150	170	43	ug/Kg	☼	10/28/15 18:01	10
Sulfotepp	170	U	200	170	62	ug/Kg	☼	10/28/15 18:01	10
Thionazin	170	U	180	170	55	ug/Kg	☼	10/28/15 18:01	10
Tokuthion	79	U	200	79	39	ug/Kg	☼	10/28/15 18:01	10
Trichloronate	170	U	200	170	62	ug/Kg	☼	10/28/15 18:01	10
o,o',o''-Triethylphosphorothioate	170	U	390	170	78	ug/Kg	☼	10/28/15 18:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*110*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 18:01*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6600	U	6900	6600	2200	ug/Kg	☼	10/28/15 00:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*110*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 00:23*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.027	U	0.045	0.027	0.027	mg/Kg	☼	10/24/15 03:15	5
Dalapon	0.043	U	0.54	0.043	0.016	mg/Kg	☼	10/24/15 03:15	5
2,4-DB	0.027	U Q	0.045	0.027	0.016	mg/Kg	☼	10/24/15 03:15	5
Dicamba	0.027	U	0.045	0.027	0.010	mg/Kg	☼	10/24/15 03:15	5
Dichlorprop	0.011	U	0.045	0.011	0.0060	mg/Kg	☼	10/24/15 03:15	5
Dinoseb	0.027	U	0.27	0.027	0.025	mg/Kg	☼	10/24/15 03:15	5
MCPA	2.6	U	11	2.6	1.0	mg/Kg	☼	10/24/15 03:15	5
MCPP	2.6	U	11	2.6	0.92	mg/Kg	☼	10/24/15 03:15	5
Pentachlorophenol	0.0054	U	0.045	0.0054	0.0023	mg/Kg	☼	10/24/15 03:15	5
Silvex (2,4,5-TP)	0.027	U	0.045	0.027	0.0087	mg/Kg	☼	10/24/15 03:15	5
2,4,5-T	0.027	U	0.045	0.027	0.012	mg/Kg	☼	10/24/15 03:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*59*		*27 - 122*	*10/21/15 09:26*	*10/24/15 03:15*	*5*

Client Sample ID: AOPSG901

Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15

Matrix: Solid
Percent Solids: 84.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.56	mg/Kg	☼	10/24/15 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*129*		*68 - 134*	*10/24/15 10:00*	*10/24/15 15:04*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180	U	190	180	120	mg/Kg	☼	10/27/15 19:36	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/27/15 19:36	10
JP-4 Fuel	390	U	390	390	390	mg/Kg	☼	10/27/15 19:36	10
JP-5	190	U	190	190	190	mg/Kg	☼	10/27/15 19:36	10

Client Sample ID: AOPSG901

Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15

Matrix: Solid
Percent Solids: 84.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 19:36*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.011	U	0.049	0.011	0.0043	mg/Kg	☼	10/23/15 22:15	25
alpha-BHC	0.011	U	0.049	0.011	0.0040	mg/Kg	☼	10/23/15 22:15	25
alpha-Chlordane	0.011	U	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 22:15	25
beta-BHC	0.021	U	0.049	0.021	0.0095	mg/Kg	☼	10/23/15 22:15	25
Chlordane (technical)	0.19	U	0.49	0.19	0.084	mg/Kg	☼	10/23/15 22:15	25
Chlorobenzilate	1.7	U	2.9	1.7	0.69	mg/Kg	☼	10/23/15 22:15	25
4,4'-DDD	0.011	U	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 22:15	25
4,4'-DDE	**0.064**	**D**	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 22:15	25
4,4'-DDT	**0.026**	**J D M**	0.049	0.014	0.0064	mg/Kg	☼	10/23/15 22:15	25
delta-BHC	0.014	U	0.049	0.014	0.0055	mg/Kg	☼	10/23/15 22:15	25
Dieldrin	0.011	U	0.049	0.011	0.0049	mg/Kg	☼	10/23/15 22:15	25
Endosulfan I	0.011	U	0.049	0.011	0.0049	mg/Kg	☼	10/23/15 22:15	25
Endosulfan II	0.011	U	0.049	0.011	0.0043	mg/Kg	☼	10/23/15 22:15	25
Endosulfan sulfate	0.014	U	0.049	0.014	0.0061	mg/Kg	☼	10/23/15 22:15	25
Endrin	0.014	U	0.049	0.014	0.0064	mg/Kg	☼	10/23/15 22:15	25
Endrin aldehyde	0.014	U	0.049	0.014	0.0064	mg/Kg	☼	10/23/15 22:15	25
Endrin ketone	0.014	U	0.049	0.014	0.0058	mg/Kg	☼	10/23/15 22:15	25
gamma-BHC (Lindane)	0.011	U	0.049	0.011	0.0040	mg/Kg	☼	10/23/15 22:15	25
gamma-Chlordane	0.011	U	0.049	0.011	0.0052	mg/Kg	☼	10/23/15 22:15	25
Heptachlor	0.014	U	0.049	0.014	0.0055	mg/Kg	☼	10/23/15 22:15	25
Heptachlor epoxide	0.011	U	0.049	0.011	0.0046	mg/Kg	☼	10/23/15 22:15	25
Isodrin	0.027	U	0.049	0.027	0.0098	mg/Kg	☼	10/23/15 22:15	25
Kepone	1.0	U	2.9	1.0	0.38	mg/Kg	☼	10/23/15 22:15	25
Methoxychlor	0.021	U	0.049	0.021	0.0081	mg/Kg	☼	10/23/15 22:15	25
PCB-1016	0.67	U	0.95	0.67	0.32	mg/Kg	☼	10/23/15 22:15	25
PCB-1221	0.87	U	0.95	0.87	0.43	mg/Kg	☼	10/23/15 22:15	25
PCB-1232	0.38	U	0.95	0.38	0.15	mg/Kg	☼	10/23/15 22:15	25
PCB-1242	0.38	U	0.95	0.38	0.14	mg/Kg	☼	10/23/15 22:15	25
PCB-1248	0.58	U	0.95	0.58	0.24	mg/Kg	☼	10/23/15 22:15	25
PCB-1254	0.87	U	0.95	0.87	0.29	mg/Kg	☼	10/23/15 22:15	25
PCB-1260	0.67	U	0.95	0.67	0.28	mg/Kg	☼	10/23/15 22:15	25
Toxaphene	0.38	U	4.9	0.38	0.16	mg/Kg	☼	10/23/15 22:15	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 22:15*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 22:15*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	730	360	130	ug/Kg	☼	10/28/15 18:25	10
Azinphos-ethyl	360	U	360	360	94	ug/Kg	☼	10/28/15 18:25	10
Azinphos-methyl	87	U	140	87	38	ug/Kg	☼	10/28/15 18:25	10
Bolstar	180	U	140	180	46	ug/Kg	☼	10/28/15 18:25	10
Chlorpyrifos	180	U	220	180	70	ug/Kg	☼	10/28/15 18:25	10
Coumaphos	87	U	140	87	30	ug/Kg	☼	10/28/15 18:25	10
Demeton-O	250	U	420	250	57	ug/Kg	☼	10/28/15 18:25	10
Demeton-S	110	U	160	110	53	ug/Kg	☼	10/28/15 18:25	10

Client Sample ID: AOPSG901
Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15
Matrix: Solid
Percent Solids: 84.7

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Demeton, Total	180	U	420	180	82	ug/Kg	☼	10/28/15 18:25	10
Diazinon	180	U	240	180	79	ug/Kg	☼	10/28/15 18:25	10
Dichlorvos	180	U	250	180	80	ug/Kg	☼	10/28/15 18:25	10
Dimethoate	180	U	240	180	77	ug/Kg	☼	10/28/15 18:25	10
Disulfoton	180	U	520	180	84	ug/Kg	☼	10/28/15 18:25	10
EPN	87	U	140	87	40	ug/Kg	☼	10/28/15 18:25	10
Mocap	180	U	160	180	54	ug/Kg	☼	10/28/15 18:25	10
Ethyl Parathion	180	U	200	180	57	ug/Kg	☼	10/28/15 18:25	10
Famphur	87	U	140	87	35	ug/Kg	☼	10/28/15 18:25	10
Fensulfothion	180	U	270	180	89	ug/Kg	☼	10/28/15 18:25	10
Fenthion	360	U	360	360	95	ug/Kg	☼	10/28/15 18:25	10
Malathion	180	U	160	180	50	ug/Kg	☼	10/28/15 18:25	10
Merphos	180	U	330	180	56	ug/Kg	☼	10/28/15 18:25	10
Methyl parathion	180	U	220	180	69	ug/Kg	☼	10/28/15 18:25	10
Mevinphos	180	U	160	180	50	ug/Kg	☼	10/28/15 18:25	10
Phorate	180	U	220	180	62	ug/Kg	☼	10/28/15 18:25	10
Phosmet	730	U	730	730	210	ug/Kg	☼	10/28/15 18:25	10
Propazine	360	U	730	360	94	ug/Kg	☼	10/28/15 18:25	10
Ronnel	360	U	500	360	170	ug/Kg	☼	10/28/15 18:25	10
Simazine	730	U	730	730	240	ug/Kg	☼	10/28/15 18:25	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	47	ug/Kg	☼	10/28/15 18:25	10
Sulfotepp	180	U	220	180	68	ug/Kg	☼	10/28/15 18:25	10
Thionazin	180	U	200	180	61	ug/Kg	☼	10/28/15 18:25	10
Tokuthion	87	U	220	87	42	ug/Kg	☼	10/28/15 18:25	10
Trichloronate	180	U	220	180	68	ug/Kg	☼	10/28/15 18:25	10
o,o',o''-Triethylphosphorothioate	180	U	420	180	85	ug/Kg	☼	10/28/15 18:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*119*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 18:25*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7300	U	7600	7300	2500	ug/Kg	☼	10/28/15 00:48	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*114*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 00:48*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.030	U	0.049	0.030	0.030	mg/Kg	☼	10/24/15 07:30	5
Dalapon	0.047	U	0.59	0.047	0.017	mg/Kg	☼	10/24/15 07:30	5
2,4-DB	0.030	U Q	0.049	0.030	0.018	mg/Kg	☼	10/24/15 07:30	5
Dicamba	0.030	U	0.049	0.030	0.011	mg/Kg	☼	10/24/15 07:30	5
Dichlorprop	0.012	U	0.049	0.012	0.0065	mg/Kg	☼	10/24/15 07:30	5
Dinoseb	0.030	U	0.30	0.030	0.027	mg/Kg	☼	10/24/15 07:30	5
MCPA	2.8	U	12	2.8	1.1	mg/Kg	☼	10/24/15 07:30	5
MCPP	2.8	U	12	2.8	1.0	mg/Kg	☼	10/24/15 07:30	5
Pentachlorophenol	0.0059	U	0.049	0.0059	0.0025	mg/Kg	☼	10/24/15 07:30	5
Silvex (2,4,5-TP)	0.030	U	0.049	0.030	0.0094	mg/Kg	☼	10/24/15 07:30	5
2,4,5-T	0.030	U	0.049	0.030	0.014	mg/Kg	☼	10/24/15 07:30	5

Client Sample ID: AOPSG901

Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15

Matrix: Solid
Percent Solids: 84.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	*68*		*27 - 122*	*10/21/15 09:26*	*10/24/15 07:30*	*5*

Client Sample ID: AOPSD801

Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16

Matrix: Solid
Percent Solids: 52.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.6	U	1.6	1.6	0.64	mg/Kg	☼	10/24/15 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*132*		*68 - 134*	*10/24/15 10:00*	*10/24/15 15:28*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	280	U	310	280	200	mg/Kg	☼	10/27/15 19:51	10
Oil Range Organics (C20-C36)	1900	U	1900	1900	1900	mg/Kg	☼	10/27/15 19:51	10
JP-4 Fuel	630	U	630	630	630	mg/Kg	☼	10/27/15 19:51	10
JP-5	310	U	310	310	310	mg/Kg	☼	10/27/15 19:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 19:51*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.017	U	0.080	0.017	0.0071	mg/Kg	☼	10/23/15 22:30	25
alpha-BHC	0.017	U	0.080	0.017	0.0066	mg/Kg	☼	10/23/15 22:30	25
alpha-Chlordane	0.017	U	0.080	0.017	0.0085	mg/Kg	☼	10/23/15 22:30	25
beta-BHC	0.034	U	0.080	0.034	0.016	mg/Kg	☼	10/23/15 22:30	25
Chlordane (technical)	0.32	U	0.80	0.32	0.14	mg/Kg	☼	10/23/15 22:30	25
Chlorobenzilate	2.7	U	4.7	2.7	1.1	mg/Kg	☼	10/23/15 22:30	25
4,4'-DDD	0.017	U	0.080	0.017	0.0085	mg/Kg	☼	10/23/15 22:30	25
4,4'-DDE	**0.016**	**J D**	0.080	0.017	0.0085	mg/Kg	☼	10/23/15 22:30	25
4,4'-DDT	**0.012**	**J D M**	0.080	0.024	0.010	mg/Kg	☼	10/23/15 22:30	25
delta-BHC	0.024	U	0.080	0.024	0.0089	mg/Kg	☼	10/23/15 22:30	25
Dieldrin	0.017	U	0.080	0.017	0.0080	mg/Kg	☼	10/23/15 22:30	25
Endosulfan I	0.017	U	0.080	0.017	0.0080	mg/Kg	☼	10/23/15 22:30	25
Endosulfan II	0.017	U	0.080	0.017	0.0071	mg/Kg	☼	10/23/15 22:30	25
Endosulfan sulfate	0.024	U	0.080	0.024	0.0099	mg/Kg	☼	10/23/15 22:30	25
Endrin	0.024	U	0.080	0.024	0.010	mg/Kg	☼	10/23/15 22:30	25
Endrin aldehyde	0.024	U	0.080	0.024	0.010	mg/Kg	☼	10/23/15 22:30	25
Endrin ketone	0.024	U	0.080	0.024	0.0094	mg/Kg	☼	10/23/15 22:30	25
gamma-BHC (Lindane)	0.017	U	0.080	0.017	0.0066	mg/Kg	☼	10/23/15 22:30	25
gamma-Chlordane	0.017	U	0.080	0.017	0.0085	mg/Kg	☼	10/23/15 22:30	25
Heptachlor	0.024	U	0.080	0.024	0.0089	mg/Kg	☼	10/23/15 22:30	25
Heptachlor epoxide	0.017	U	0.080	0.017	0.0075	mg/Kg	☼	10/23/15 22:30	25
Isodrin	0.043	U	0.080	0.043	0.016	mg/Kg	☼	10/23/15 22:30	25
Kepone	1.6	U	4.7	1.6	0.61	mg/Kg	☼	10/23/15 22:30	25
Methoxychlor	0.034	U	0.080	0.034	0.013	mg/Kg	☼	10/23/15 22:30	25
PCB-1016	1.1	U	1.6	1.1	0.52	mg/Kg	☼	10/23/15 22:30	25
PCB-1221	1.4	U	1.6	1.4	0.71	mg/Kg	☼	10/23/15 22:30	25

Client Sample ID: AOPSD801
Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16
Matrix: Solid
Percent Solids: 52.7

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1232	0.61	U	1.6	0.61	0.24	mg/Kg	☼	10/23/15 22:30	25
PCB-1242	0.61	U	1.6	0.61	0.24	mg/Kg	☼	10/23/15 22:30	25
PCB-1248	0.94	U	1.6	0.94	0.39	mg/Kg	☼	10/23/15 22:30	25
PCB-1254	1.4	U	1.6	1.4	0.47	mg/Kg	☼	10/23/15 22:30	25
PCB-1260	1.1	U	1.6	1.1	0.45	mg/Kg	☼	10/23/15 22:30	25
Toxaphene	0.61	U	8.0	0.61	0.26	mg/Kg	☼	10/23/15 22:30	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 22:30*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 22:30*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	610	U	1200	610	230	ug/Kg	☼	10/28/15 18:50	10
Azinphos-ethyl	610	U	610	610	160	ug/Kg	☼	10/28/15 18:50	10
Azinphos-methyl	150	U	240	150	65	ug/Kg	☼	10/28/15 18:50	10
Bolstar	320	U	240	320	79	ug/Kg	☼	10/28/15 18:50	10
Chlorpyrifos	320	U	370	320	120	ug/Kg	☼	10/28/15 18:50	10
Coumaphos	150	U	240	150	52	ug/Kg	☼	10/28/15 18:50	10
Demeton-O	430	U	730	430	98	ug/Kg	☼	10/28/15 18:50	10
Demeton-S	190	U	280	190	90	ug/Kg	☼	10/28/15 18:50	10
Demeton, Total	320	U	730	320	140	ug/Kg	☼	10/28/15 18:50	10
Diazinon	320	U	410	320	140	ug/Kg	☼	10/28/15 18:50	10
Dichlorvos	320	U	430	320	140	ug/Kg	☼	10/28/15 18:50	10
Dimethoate	320	U	410	320	130	ug/Kg	☼	10/28/15 18:50	10
Disulfoton	320	U	890	320	140	ug/Kg	☼	10/28/15 18:50	10
EPN	150	U	240	150	69	ug/Kg	☼	10/28/15 18:50	10
Mocap	320	U	280	320	92	ug/Kg	☼	10/28/15 18:50	10
Ethyl Parathion	320	U	340	320	98	ug/Kg	☼	10/28/15 18:50	10
Famphur	150	U	240	150	60	ug/Kg	☼	10/28/15 18:50	10
Fensulfothion	320	U	470	320	150	ug/Kg	☼	10/28/15 18:50	10
Fenthion	610	U	610	610	160	ug/Kg	☼	10/28/15 18:50	10
Malathion	320	U	280	320	86	ug/Kg	☼	10/28/15 18:50	10
Merphos	320	U	560	320	96	ug/Kg	☼	10/28/15 18:50	10
Methyl parathion	320	U	370	320	120	ug/Kg	☼	10/28/15 18:50	10
Mevinphos	320	U	280	320	86	ug/Kg	☼	10/28/15 18:50	10
Phorate	320	U	370	320	110	ug/Kg	☼	10/28/15 18:50	10
Phosmet	1200	U	1200	1200	360	ug/Kg	☼	10/28/15 18:50	10
Propazine	610	U	1200	610	160	ug/Kg	☼	10/28/15 18:50	10
Ronnel	610	U	860	610	280	ug/Kg	☼	10/28/15 18:50	10
Simazine	1200	U	1200	1200	410	ug/Kg	☼	10/28/15 18:50	10
Tetrachlorvinphos (Stirophos)	320	U	280	320	81	ug/Kg	☼	10/28/15 18:50	10
Sulfotepp	320	U	370	320	120	ug/Kg	☼	10/28/15 18:50	10
Thionazin	320	U	340	320	100	ug/Kg	☼	10/28/15 18:50	10
Tokuthion	150	U	370	150	73	ug/Kg	☼	10/28/15 18:50	10
Trichloronate	320	U	370	320	120	ug/Kg	☼	10/28/15 18:50	10
o,o',o''-Triethylphosphorothioate	320	U	730	320	150	ug/Kg	☼	10/28/15 18:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*111*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 18:50*	*10*

Client Sample ID: AOPSD801

Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16

Matrix: Solid
Percent Solids: 52.7

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	12000	U	13000	12000	4200	ug/Kg	☼	10/28/15 01:13	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*135*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 01:13*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.095	U	0.16	0.095	0.095	mg/Kg	☼	10/24/15 07:49	10
Dalapon	0.15	U	1.9	0.15	0.055	mg/Kg	☼	10/24/15 07:49	10
2,4-DB	0.095	U Q	0.16	0.095	0.057	mg/Kg	☼	10/24/15 07:49	10
Dicamba	0.095	U	0.16	0.095	0.036	mg/Kg	☼	10/24/15 07:49	10
Dichlorprop	0.038	U	0.16	0.038	0.021	mg/Kg	☼	10/24/15 07:49	10
Dinoseb	0.095	U	0.95	0.095	0.087	mg/Kg	☼	10/24/15 07:49	10
MCPA	9.1	U	38	9.1	3.6	mg/Kg	☼	10/24/15 07:49	10
MCPP	9.1	U	38	9.1	3.2	mg/Kg	☼	10/24/15 07:49	10
Pentachlorophenol	0.019	U	0.16	0.019	0.0080	mg/Kg	☼	10/24/15 07:49	10
Silvex (2,4,5-TP)	0.095	U	0.16	0.095	0.030	mg/Kg	☼	10/24/15 07:49	10
2,4,5-T	0.095	U	0.16	0.095	0.044	mg/Kg	☼	10/24/15 07:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 07:49*	*10*

Client Sample ID: AOPSD701

Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17

Matrix: Solid
Percent Solids: 91.2

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.47	mg/Kg	☼	10/24/15 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*133*		*68 - 134*	*10/24/15 10:00*	*10/24/15 15:52*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/27/15 20:06	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/27/15 20:06	10
JP-4 Fuel	360	U	360	360	360	mg/Kg	☼	10/27/15 20:06	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/27/15 20:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 20:06*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.010	U	0.046	0.010	0.0041	mg/Kg	☼	10/23/15 22:46	25
alpha-BHC	0.010	U	0.046	0.010	0.0038	mg/Kg	☼	10/23/15 22:46	25
alpha-Chlordane	**0.0055**	**J D**	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 22:46	25
beta-BHC	0.020	U	0.046	0.020	0.0090	mg/Kg	☼	10/23/15 22:46	25
Chlordane (technical)	0.18	U	0.46	0.18	0.079	mg/Kg	☼	10/23/15 22:46	25
Chlorobenzilate	1.6	U	2.7	1.6	0.66	mg/Kg	☼	10/23/15 22:46	25

Client Sample ID: AOPSD701

Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17

Matrix: Solid
Percent Solids: 91.2

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.010	U	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 22:46	25
4,4'-DDE	**0.0094**	**J D**	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 22:46	25
4,4'-DDT	0.014	U	0.046	0.014	0.0060	mg/Kg	☼	10/23/15 22:46	25
delta-BHC	0.014	U	0.046	0.014	0.0052	mg/Kg	☼	10/23/15 22:46	25
Dieldrin	0.010	U	0.046	0.010	0.0046	mg/Kg	☼	10/23/15 22:46	25
Endosulfan I	0.010	U	0.046	0.010	0.0046	mg/Kg	☼	10/23/15 22:46	25
Endosulfan II	0.010	U	0.046	0.010	0.0041	mg/Kg	☼	10/23/15 22:46	25
Endosulfan sulfate	0.014	U	0.046	0.014	0.0057	mg/Kg	☼	10/23/15 22:46	25
Endrin	0.014	U	0.046	0.014	0.0060	mg/Kg	☼	10/23/15 22:46	25
Endrin aldehyde	0.014	U	0.046	0.014	0.0060	mg/Kg	☼	10/23/15 22:46	25
Endrin ketone	0.014	U	0.046	0.014	0.0055	mg/Kg	☼	10/23/15 22:46	25
gamma-BHC (Lindane)	0.010	U	0.046	0.010	0.0038	mg/Kg	☼	10/23/15 22:46	25
gamma-Chlordane	0.010	U	0.046	0.010	0.0049	mg/Kg	☼	10/23/15 22:46	25
Heptachlor	0.014	U	0.046	0.014	0.0052	mg/Kg	☼	10/23/15 22:46	25
Heptachlor epoxide	0.010	U	0.046	0.010	0.0044	mg/Kg	☼	10/23/15 22:46	25
Isodrin	0.025	U	0.046	0.025	0.0093	mg/Kg	☼	10/23/15 22:46	25
Kepone	0.96	U	2.7	0.96	0.35	mg/Kg	☼	10/23/15 22:46	25
Methoxychlor	0.020	U	0.046	0.020	0.0076	mg/Kg	☼	10/23/15 22:46	25
PCB-1016	0.63	U	0.90	0.63	0.30	mg/Kg	☼	10/23/15 22:46	25
PCB-1221	0.82	U	0.90	0.82	0.41	mg/Kg	☼	10/23/15 22:46	25
PCB-1232	0.35	U	0.90	0.35	0.14	mg/Kg	☼	10/23/15 22:46	25
PCB-1242	0.35	U	0.90	0.35	0.14	mg/Kg	☼	10/23/15 22:46	25
PCB-1248	0.55	U	0.90	0.55	0.22	mg/Kg	☼	10/23/15 22:46	25
PCB-1254	0.82	U	0.90	0.82	0.27	mg/Kg	☼	10/23/15 22:46	25
PCB-1260	0.63	U	0.90	0.63	0.26	mg/Kg	☼	10/23/15 22:46	25
Toxaphene	0.35	U	4.6	0.35	0.15	mg/Kg	☼	10/23/15 22:46	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 22:46*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 22:46*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U J	670	330	120	ug/Kg	☼	10/28/15 19:15	10
Azinphos-ethyl	330	U J	330	330	87	ug/Kg	☼	10/28/15 19:15	10
Azinphos-methyl	80	U	130	80	35	ug/Kg	☼	10/28/15 19:15	10
Bolstar	170	U	130	170	42	ug/Kg	☼	10/28/15 19:15	10
Chlorpyrifos	170	U	200	170	65	ug/Kg	☼	10/28/15 19:15	10
Coumaphos	80	U J	130	80	28	ug/Kg	☼	10/28/15 19:15	10
Demeton-O	230	U	390	230	53	ug/Kg	☼	10/28/15 19:15	10
Demeton-S	100	U	150	100	49	ug/Kg	☼	10/28/15 19:15	10
Demeton, Total	170	U	390	170	75	ug/Kg	☼	10/28/15 19:15	10
Diazinon	170	U	220	170	73	ug/Kg	☼	10/28/15 19:15	10
Dichlorvos	170	U	230	170	74	ug/Kg	☼	10/28/15 19:15	10
Dimethoate	170	U J	220	170	71	ug/Kg	☼	10/28/15 19:15	10
Disulfoton	170	U	480	170	77	ug/Kg	☼	10/28/15 19:15	10
EPN	80	U	130	80	37	ug/Kg	☼	10/28/15 19:15	10
Mocap	170	U	150	170	49	ug/Kg	☼	10/28/15 19:15	10
Ethyl Parathion	170	U	180	170	53	ug/Kg	☼	10/28/15 19:15	10
Famphur	80	U J	130	80	32	ug/Kg	☼	10/28/15 19:15	10

Client Sample ID: AOPSD701
Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17
Matrix: Solid
Percent Solids: 91.2

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	170	U J	250	170	81	ug/Kg	☼	10/28/15 19:15	10
Fenthion	330	U	330	330	87	ug/Kg	☼	10/28/15 19:15	10
Malathion	170	U	150	170	46	ug/Kg	☼	10/28/15 19:15	10
Merphos	170	U J	300	170	51	ug/Kg	☼	10/28/15 19:15	10
Methyl parathion	170	U	200	170	64	ug/Kg	☼	10/28/15 19:15	10
Mevinphos	170	U	150	170	46	ug/Kg	☼	10/28/15 19:15	10
Phorate	170	U	200	170	57	ug/Kg	☼	10/28/15 19:15	10
Phosmet	670	U	670	670	190	ug/Kg	☼	10/28/15 19:15	10
Propazine	330	U	670	330	86	ug/Kg	☼	10/28/15 19:15	10
Ronnel	330	U	460	330	150	ug/Kg	☼	10/28/15 19:15	10
Simazine	670	U	670	670	220	ug/Kg	☼	10/28/15 19:15	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	44	ug/Kg	☼	10/28/15 19:15	10
Sulfotepp	170	U	200	170	63	ug/Kg	☼	10/28/15 19:15	10
Thionazin	170	U	180	170	56	ug/Kg	☼	10/28/15 19:15	10
Tokuthion	80	U	200	80	39	ug/Kg	☼	10/28/15 19:15	10
Trichloronate	170	U	200	170	62	ug/Kg	☼	10/28/15 19:15	10
o,o',o''-Triethylphosphorothioate	170	U J	390	170	78	ug/Kg	☼	10/28/15 19:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*116*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 19:15*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6700	U	7000	6700	2300	ug/Kg	☼	10/28/15 01:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*98*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 01:38*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.027	U	0.045	0.027	0.027	mg/Kg	☼	10/24/15 03:33	5
Dalapon	0.044	U J	0.55	0.044	0.016	mg/Kg	☼	10/24/15 03:33	5
2,4-DB	0.027	U Q	0.045	0.027	0.016	mg/Kg	☼	10/24/15 03:33	5
Dicamba	0.027	U	0.045	0.027	0.010	mg/Kg	☼	10/24/15 03:33	5
Dichlorprop	0.011	U	0.045	0.011	0.0060	mg/Kg	☼	10/24/15 03:33	5
Dinoseb	0.027	U	0.27	0.027	0.025	mg/Kg	☼	10/24/15 03:33	5
MCPA	2.6	U	11	2.6	1.0	mg/Kg	☼	10/24/15 03:33	5
MCPP	2.6	U	11	2.6	0.93	mg/Kg	☼	10/24/15 03:33	5
Pentachlorophenol	0.0055	U J	0.045	0.0055	0.0023	mg/Kg	☼	10/24/15 03:33	5
Silvex (2,4,5-TP)	0.027	U J	0.045	0.027	0.0087	mg/Kg	☼	10/24/15 03:33	5
2,4,5-T	0.027	U J	0.045	0.027	0.013	mg/Kg	☼	10/24/15 03:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*62*		*27 - 122*	*10/21/15 09:26*	*10/24/15 03:33*	*5*

Client Sample ID: AOPSD1001

Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18

Matrix: Solid
Percent Solids: 81.6

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.57	mg/Kg	☼	10/24/15 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*147*	*Q*	*68 - 134*	*10/24/15 10:00*	*10/24/15 16:15*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U H	1.4	1.4	0.54	mg/Kg	☼	10/29/15 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*136*	*Q*	*68 - 134*	*10/29/15 00:00*	*10/29/15 03:13*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**300**	**D**	200	180	130	mg/Kg	☼	10/27/15 20:21	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/27/15 20:21	10
JP-4 Fuel	400	U	400	400	400	mg/Kg	☼	10/27/15 20:21	10
JP-5	200	U	200	200	200	mg/Kg	☼	10/27/15 20:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 20:21*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.023	U	0.10	0.023	0.0091	mg/Kg	☼	10/23/15 23:01	50
alpha-BHC	0.023	U	0.10	0.023	0.0085	mg/Kg	☼	10/23/15 23:01	50
alpha-Chlordane	0.023	U	0.10	0.023	0.011	mg/Kg	☼	10/23/15 23:01	50
beta-BHC	0.045	U	0.10	0.045	0.020	mg/Kg	☼	10/23/15 23:01	50
Chlordane (technical)	0.41	U	1.0	0.41	0.18	mg/Kg	☼	10/23/15 23:01	50
Chlorobenzilate	3.5	U	6.1	3.5	1.5	mg/Kg	☼	10/23/15 23:01	50
4,4'-DDD	0.023	U	0.10	0.023	0.011	mg/Kg	☼	10/23/15 23:01	50
4,4'-DDE	**0.42**	**D**	0.10	0.023	0.011	mg/Kg	☼	10/23/15 23:01	50
4,4'-DDT	**0.18**	**D M**	0.10	0.030	0.013	mg/Kg	☼	10/23/15 23:01	50
delta-BHC	0.030	U	0.10	0.030	0.012	mg/Kg	☼	10/23/15 23:01	50
Dieldrin	0.023	U	0.10	0.023	0.010	mg/Kg	☼	10/23/15 23:01	50
Endosulfan I	0.023	U	0.10	0.023	0.010	mg/Kg	☼	10/23/15 23:01	50
Endosulfan II	0.023	U	0.10	0.023	0.0091	mg/Kg	☼	10/23/15 23:01	50
Endosulfan sulfate	0.030	U	0.10	0.030	0.013	mg/Kg	☼	10/23/15 23:01	50
Endrin	0.030	U	0.10	0.030	0.013	mg/Kg	☼	10/23/15 23:01	50
Endrin aldehyde	0.030	U	0.10	0.030	0.013	mg/Kg	☼	10/23/15 23:01	50
Endrin ketone	0.030	U	0.10	0.030	0.012	mg/Kg	☼	10/23/15 23:01	50
gamma-BHC (Lindane)	0.023	U	0.10	0.023	0.0085	mg/Kg	☼	10/23/15 23:01	50
gamma-Chlordane	0.023	U	0.10	0.023	0.011	mg/Kg	☼	10/23/15 23:01	50
Heptachlor	0.030	U	0.10	0.030	0.012	mg/Kg	☼	10/23/15 23:01	50
Heptachlor epoxide	0.023	U	0.10	0.023	0.0098	mg/Kg	☼	10/23/15 23:01	50
Isodrin	0.056	U	0.10	0.056	0.021	mg/Kg	☼	10/23/15 23:01	50
Kepone	2.1	U	6.1	2.1	0.79	mg/Kg	☼	10/23/15 23:01	50
Methoxychlor	0.045	U	0.10	0.045	0.017	mg/Kg	☼	10/23/15 23:01	50
PCB-1016	1.4	U	2.0	1.4	0.67	mg/Kg	☼	10/23/15 23:01	50
PCB-1221	1.8	U	2.0	1.8	0.91	mg/Kg	☼	10/23/15 23:01	50
PCB-1232	0.79	U	2.0	0.79	0.32	mg/Kg	☼	10/23/15 23:01	50

Client Sample ID: AOPSD1001
Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18
Matrix: Solid
Percent Solids: 81.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1242	0.79	U	2.0	0.79	0.30	mg/Kg	☼	10/23/15 23:01	50
PCB-1248	1.2	U	2.0	1.2	0.50	mg/Kg	☼	10/23/15 23:01	50
PCB-1254	1.8	U	2.0	1.8	0.61	mg/Kg	☼	10/23/15 23:01	50
PCB-1260	1.4	U	2.0	1.4	0.59	mg/Kg	☼	10/23/15 23:01	50
Toxaphene	0.79	U	10	0.79	0.34	mg/Kg	☼	10/23/15 23:01	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 23:01*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 23:01*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	400	U	820	400	150	ug/Kg	☼	10/28/15 19:40	10
Azinphos-ethyl	400	U	400	400	110	ug/Kg	☼	10/28/15 19:40	10
Azinphos-methyl	97	U	160	97	43	ug/Kg	☼	10/28/15 19:40	10
Bolstar	210	U	160	210	52	ug/Kg	☼	10/28/15 19:40	10
Chlorpyrifos	210	U	240	210	79	ug/Kg	☼	10/28/15 19:40	10
Coumaphos	97	U	160	97	34	ug/Kg	☼	10/28/15 19:40	10
Demeton-O	280	U	480	280	64	ug/Kg	☼	10/28/15 19:40	10
Demeton-S	120	U	180	120	59	ug/Kg	☼	10/28/15 19:40	10
Demeton, Total	210	U	480	210	92	ug/Kg	☼	10/28/15 19:40	10
Diazinon	210	U	270	210	89	ug/Kg	☼	10/28/15 19:40	10
Dichlorvos	210	U	280	210	90	ug/Kg	☼	10/28/15 19:40	10
Dimethoate	210	U	270	210	86	ug/Kg	☼	10/28/15 19:40	10
Disulfoton	210	U	580	210	94	ug/Kg	☼	10/28/15 19:40	10
EPN	97	U	160	97	45	ug/Kg	☼	10/28/15 19:40	10
Mocap	210	U	180	210	60	ug/Kg	☼	10/28/15 19:40	10
Ethyl Parathion	210	U	220	210	64	ug/Kg	☼	10/28/15 19:40	10
Famphur	97	U	160	97	39	ug/Kg	☼	10/28/15 19:40	10
Fensulfothion	210	U	300	210	99	ug/Kg	☼	10/28/15 19:40	10
Fenthion	400	U	400	400	110	ug/Kg	☼	10/28/15 19:40	10
Malathion	210	U	180	210	57	ug/Kg	☼	10/28/15 19:40	10
Merphos	210	U	370	210	63	ug/Kg	☼	10/28/15 19:40	10
Methyl parathion	210	U	240	210	78	ug/Kg	☼	10/28/15 19:40	10
Mevinphos	210	U	180	210	56	ug/Kg	☼	10/28/15 19:40	10
Phorate	210	U	240	210	69	ug/Kg	☼	10/28/15 19:40	10
Phosmet	820	U	820	820	240	ug/Kg	☼	10/28/15 19:40	10
Propazine	400	U	820	400	110	ug/Kg	☼	10/28/15 19:40	10
Ronnel	400	U	560	400	190	ug/Kg	☼	10/28/15 19:40	10
Simazine	820	U	820	820	270	ug/Kg	☼	10/28/15 19:40	10
Tetrachlorvinphos (Stirophos)	210	U	180	210	53	ug/Kg	☼	10/28/15 19:40	10
Sulfotepp	210	U	240	210	76	ug/Kg	☼	10/28/15 19:40	10
Thionazin	210	U	220	210	68	ug/Kg	☼	10/28/15 19:40	10
Tokuthion	97	U	240	97	48	ug/Kg	☼	10/28/15 19:40	10
Trichloronate	210	U	240	210	76	ug/Kg	☼	10/28/15 19:40	10
o,o',o''-Triethylphosphorothioate	210	U	480	210	96	ug/Kg	☼	10/28/15 19:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*67*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 19:40*	*10*

Client Sample ID: AOPSD1001

Lab Sample ID: 680-117942-18

Date Collected: 10/11/15 15:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.6

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8200	U	8500	8200	2800	ug/Kg	☼	10/28/15 02:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*67*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 02:02*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.061	U	0.10	0.061	0.061	mg/Kg	☼	10/24/15 05:41	10
Dalapon	0.098	U	1.2	0.098	0.036	mg/Kg	☼	10/24/15 05:41	10
2,4-DB	0.061	U Q	0.10	0.061	0.037	mg/Kg	☼	10/24/15 05:41	10
Dicamba	0.061	U	0.10	0.061	0.023	mg/Kg	☼	10/24/15 05:41	10
Dichlorprop	0.025	U	0.10	0.025	0.013	mg/Kg	☼	10/24/15 05:41	10
Dinoseb	0.061	U	0.61	0.061	0.056	mg/Kg	☼	10/24/15 05:41	10
MCPA	5.9	U	25	5.9	2.3	mg/Kg	☼	10/24/15 05:41	10
MCPP	5.9	U	25	5.9	2.1	mg/Kg	☼	10/24/15 05:41	10
Pentachlorophenol	**0.047**	**J D**	0.10	0.012	0.0051	mg/Kg	☼	10/24/15 05:41	10
Silvex (2,4,5-TP)	0.061	U	0.10	0.061	0.020	mg/Kg	☼	10/24/15 05:41	10
2,4,5-T	0.061	U	0.10	0.061	0.028	mg/Kg	☼	10/24/15 05:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 05:41*	*10*

Client Sample ID: AOPSG601

Lab Sample ID: 680-117942-19

Date Collected: 10/11/15 17:50
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 96.0

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.52	mg/Kg	☼	10/24/15 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*143*	*Q*	*68 - 134*	*10/24/15 10:00*	*10/24/15 16:39*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**130**	**J D**	170	160	110	mg/Kg	☼	10/27/15 22:04	10
Oil Range Organics (C20-C36)	1000	U	1000	1000	1000	mg/Kg	☼	10/27/15 22:04	10
JP-4 Fuel	340	U	340	340	340	mg/Kg	☼	10/27/15 22:04	10
JP-5	170	U	170	170	170	mg/Kg	☼	10/27/15 22:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 22:04*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.019	U	0.086	0.019	0.0075	mg/Kg	☼	10/23/15 23:17	50
alpha-BHC	0.019	U	0.086	0.019	0.0070	mg/Kg	☼	10/23/15 23:17	50
alpha-Chlordane	0.019	U	0.086	0.019	0.0091	mg/Kg	☼	10/23/15 23:17	50
beta-BHC	0.037	U	0.086	0.037	0.017	mg/Kg	☼	10/23/15 23:17	50
Chlordane (technical)	0.34	U	0.86	0.34	0.15	mg/Kg	☼	10/23/15 23:17	50
Chlorobenzilate	2.9	U	5.0	2.9	1.2	mg/Kg	☼	10/23/15 23:17	50

Client Sample ID: AOPSG601
Date Collected: 10/11/15 17:50
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-19
Matrix: Solid
Percent Solids: 96.0

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.019	U	0.086	0.019	0.0091	mg/Kg	☼	10/23/15 23:17	50
4,4'-DDE	**0.017**	**J D**	0.086	0.019	0.0091	mg/Kg	☼	10/23/15 23:17	50
4,4'-DDT	**0.012**	**J D**	0.086	0.025	0.011	mg/Kg	☼	10/23/15 23:17	50
delta-BHC	0.025	U	0.086	0.025	0.0096	mg/Kg	☼	10/23/15 23:17	50
Dieldrin	0.019	U	0.086	0.019	0.0086	mg/Kg	☼	10/23/15 23:17	50
Endosulfan I	0.019	U	0.086	0.019	0.0086	mg/Kg	☼	10/23/15 23:17	50
Endosulfan II	0.019	U	0.086	0.019	0.0075	mg/Kg	☼	10/23/15 23:17	50
Endosulfan sulfate	0.025	U	0.086	0.025	0.011	mg/Kg	☼	10/23/15 23:17	50
Endrin	0.025	U	0.086	0.025	0.011	mg/Kg	☼	10/23/15 23:17	50
Endrin aldehyde	0.025	U	0.086	0.025	0.011	mg/Kg	☼	10/23/15 23:17	50
Endrin ketone	0.025	U	0.086	0.025	0.010	mg/Kg	☼	10/23/15 23:17	50
gamma-BHC (Lindane)	0.019	U	0.086	0.019	0.0070	mg/Kg	☼	10/23/15 23:17	50
gamma-Chlordane	0.019	U	0.086	0.019	0.0091	mg/Kg	☼	10/23/15 23:17	50
Heptachlor	0.025	U	0.086	0.025	0.0096	mg/Kg	☼	10/23/15 23:17	50
Heptachlor epoxide	0.019	U	0.086	0.019	0.0081	mg/Kg	☼	10/23/15 23:17	50
Isodrin	0.046	U	0.086	0.046	0.017	mg/Kg	☼	10/23/15 23:17	50
Kepone	1.8	U	5.0	1.8	0.65	mg/Kg	☼	10/23/15 23:17	50
Methoxychlor	0.037	U	0.086	0.037	0.014	mg/Kg	☼	10/23/15 23:17	50
PCB-1016	1.2	U	1.7	1.2	0.55	mg/Kg	☼	10/23/15 23:17	50
PCB-1221	1.5	U	1.7	1.5	0.75	mg/Kg	☼	10/23/15 23:17	50
PCB-1232	0.65	U	1.7	0.65	0.26	mg/Kg	☼	10/23/15 23:17	50
PCB-1242	0.65	U	1.7	0.65	0.25	mg/Kg	☼	10/23/15 23:17	50
PCB-1248	1.0	U	1.7	1.0	0.41	mg/Kg	☼	10/23/15 23:17	50
PCB-1254	1.5	U	1.7	1.5	0.50	mg/Kg	☼	10/23/15 23:17	50
PCB-1260	1.2	U	1.7	1.2	0.48	mg/Kg	☼	10/23/15 23:17	50
Toxaphene	0.65	U	8.6	0.65	0.28	mg/Kg	☼	10/23/15 23:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/20/15 14:35*	*10/23/15 23:17*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/20/15 14:35*	*10/23/15 23:17*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U	670	330	120	ug/Kg	☼	10/28/15 20:05	10
Azinphos-ethyl	330	U	330	330	87	ug/Kg	☼	10/28/15 20:05	10
Azinphos-methyl	80	U	130	80	35	ug/Kg	☼	10/28/15 20:05	10
Bolstar	170	U	130	170	43	ug/Kg	☼	10/28/15 20:05	10
Chlorpyrifos	170	U	200	170	65	ug/Kg	☼	10/28/15 20:05	10
Coumaphos	80	U	130	80	28	ug/Kg	☼	10/28/15 20:05	10
Demeton-O	230	U	390	230	53	ug/Kg	☼	10/28/15 20:05	10
Demeton-S	100	U	150	100	49	ug/Kg	☼	10/28/15 20:05	10
Demeton, Total	170	U	390	170	76	ug/Kg	☼	10/28/15 20:05	10
Diazinon	170	U	220	170	73	ug/Kg	☼	10/28/15 20:05	10
Dichlorvos	170	U	230	170	74	ug/Kg	☼	10/28/15 20:05	10
Dimethoate	170	U	220	170	71	ug/Kg	☼	10/28/15 20:05	10
Disulfoton	170	U	480	170	78	ug/Kg	☼	10/28/15 20:05	10
EPN	80	U	130	80	37	ug/Kg	☼	10/28/15 20:05	10
Mocap	170	U	150	170	50	ug/Kg	☼	10/28/15 20:05	10
Ethyl Parathion	170	U	180	170	53	ug/Kg	☼	10/28/15 20:05	10
Famphur	80	U	130	80	32	ug/Kg	☼	10/28/15 20:05	10

Client Sample ID: AOPSG601
Date Collected: 10/11/15 17:50
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-19
Matrix: Solid
Percent Solids: 96.0

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	170	U	250	170	82	ug/Kg	☼	10/28/15 20:05	10
Fenthion	330	U	330	330	88	ug/Kg	☼	10/28/15 20:05	10
Malathion	170	U	150	170	47	ug/Kg	☼	10/28/15 20:05	10
Merphos	170	U	300	170	52	ug/Kg	☼	10/28/15 20:05	10
Methyl parathion	170	U	200	170	64	ug/Kg	☼	10/28/15 20:05	10
Mevinphos	170	U	150	170	46	ug/Kg	☼	10/28/15 20:05	10
Phorate	170	U	200	170	57	ug/Kg	☼	10/28/15 20:05	10
Phosmet	670	U	670	670	190	ug/Kg	☼	10/28/15 20:05	10
Propazine	330	U	670	330	87	ug/Kg	☼	10/28/15 20:05	10
Ronnel	330	U	460	330	150	ug/Kg	☼	10/28/15 20:05	10
Simazine	670	U	670	670	220	ug/Kg	☼	10/28/15 20:05	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	44	ug/Kg	☼	10/28/15 20:05	10
Sulfotepp	170	U	200	170	63	ug/Kg	☼	10/28/15 20:05	10
Thionazin	170	U	180	170	56	ug/Kg	☼	10/28/15 20:05	10
Tokuthion	80	U	200	80	39	ug/Kg	☼	10/28/15 20:05	10
Trichloronate	170	U	200	170	63	ug/Kg	☼	10/28/15 20:05	10
o,o',o''-Triethylphosphorothioate	170	U	390	170	79	ug/Kg	☼	10/28/15 20:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*38*	*D Q*	*47 - 161*	*10/24/15 12:30*	*10/28/15 20:05*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6700	U	7000	6700	2300	ug/Kg	☼	10/28/15 02:27	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*39*	*D Q*	*47 - 161*	*10/24/15 12:30*	*10/28/15 02:27*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.052	U	0.086	0.052	0.052	mg/Kg	☼	10/24/15 06:54	10
Dalapon	0.083	U	1.0	0.083	0.030	mg/Kg	☼	10/24/15 06:54	10
2,4-DB	0.052	U Q	0.086	0.052	0.031	mg/Kg	☼	10/24/15 06:54	10
Dicamba	0.052	U	0.086	0.052	0.020	mg/Kg	☼	10/24/15 06:54	10
Dichlorprop	0.021	U	0.086	0.021	0.011	mg/Kg	☼	10/24/15 06:54	10
Dinoseb	0.052	U	0.52	0.052	0.048	mg/Kg	☼	10/24/15 06:54	10
MCPA	5.0	U	21	5.0	2.0	mg/Kg	☼	10/24/15 06:54	10
MCPP	5.0	U	21	5.0	1.8	mg/Kg	☼	10/24/15 06:54	10
Pentachlorophenol	0.010	U	0.086	0.010	0.0044	mg/Kg	☼	10/24/15 06:54	10
Silvex (2,4,5-TP)	0.052	U	0.086	0.052	0.017	mg/Kg	☼	10/24/15 06:54	10
2,4,5-T	0.052	U	0.086	0.052	0.024	mg/Kg	☼	10/24/15 06:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 06:54*	*10*

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid
Percent Solids: 46.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2.6	U	2.6	2.6	1.0	mg/Kg	☼	10/25/15 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*146*	*Q*	*68 - 134*	*10/25/15 12:00*	*10/25/15 16:40*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**360**	**D**	360	320	230	mg/Kg	☼	10/27/15 22:19	10
Oil Range Organics (C20-C36)	2200	U	2200	2200	2200	mg/Kg	☼	10/27/15 22:19	10
JP-4 Fuel	710	U	710	710	710	mg/Kg	☼	10/27/15 22:19	10
JP-5	360	U	360	360	360	mg/Kg	☼	10/27/15 22:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/20/15 17:35*	*10/27/15 22:19*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.020	U	0.091	0.020	0.0080	mg/Kg	☼	10/23/15 23:32	25
alpha-BHC	0.020	U	0.091	0.020	0.0075	mg/Kg	☼	10/23/15 23:32	25
alpha-Chlordane	0.020	U	0.091	0.020	0.0096	mg/Kg	☼	10/23/15 23:32	25
beta-BHC	0.039	U	0.091	0.039	0.018	mg/Kg	☼	10/23/15 23:32	25
Chlordane (technical)	0.36	U	0.91	0.36	0.16	mg/Kg	☼	10/23/15 23:32	25
Chlorobenzilate	3.1	U	5.4	3.1	1.3	mg/Kg	☼	10/23/15 23:32	25
4,4'-DDD	0.020	U	0.091	0.020	0.0096	mg/Kg	☼	10/23/15 23:32	25
4,4'-DDE	**0.35**	**D**	0.091	0.020	0.0096	mg/Kg	☼	10/23/15 23:32	25
4,4'-DDT	**0.059**	**J D M**	0.091	0.027	0.012	mg/Kg	☼	10/23/15 23:32	25
delta-BHC	0.027	U	0.091	0.027	0.010	mg/Kg	☼	10/23/15 23:32	25
Dieldrin	0.020	U	0.091	0.020	0.0091	mg/Kg	☼	10/23/15 23:32	25
Endosulfan I	0.020	U	0.091	0.020	0.0091	mg/Kg	☼	10/23/15 23:32	25
Endosulfan II	0.020	U	0.091	0.020	0.0080	mg/Kg	☼	10/23/15 23:32	25
Endosulfan sulfate	0.027	U	0.091	0.027	0.011	mg/Kg	☼	10/23/15 23:32	25
Endrin	0.027	U	0.091	0.027	0.012	mg/Kg	☼	10/23/15 23:32	25
Endrin aldehyde	0.027	U	0.091	0.027	0.012	mg/Kg	☼	10/23/15 23:32	25
Endrin ketone	0.027	U	0.091	0.027	0.011	mg/Kg	☼	10/23/15 23:32	25
gamma-BHC (Lindane)	0.020	U	0.091	0.020	0.0075	mg/Kg	☼	10/23/15 23:32	25
gamma-Chlordane	0.020	U	0.091	0.020	0.0096	mg/Kg	☼	10/23/15 23:32	25
Heptachlor	0.027	U	0.091	0.027	0.010	mg/Kg	☼	10/23/15 23:32	25
Heptachlor epoxide	0.020	U	0.091	0.020	0.0086	mg/Kg	☼	10/23/15 23:32	25
Isodrin	0.049	U	0.091	0.049	0.018	mg/Kg	☼	10/23/15 23:32	25
Kepone	1.9	U	5.4	1.9	0.70	mg/Kg	☼	10/23/15 23:32	25
Methoxychlor	0.039	U	0.091	0.039	0.015	mg/Kg	☼	10/23/15 23:32	25
PCB-1016	1.2	U	1.8	1.2	0.59	mg/Kg	☼	10/23/15 23:32	25
PCB-1221	1.6	U	1.8	1.6	0.80	mg/Kg	☼	10/23/15 23:32	25
PCB-1232	0.70	U	1.8	0.70	0.28	mg/Kg	☼	10/23/15 23:32	25
PCB-1242	0.70	U	1.8	0.70	0.27	mg/Kg	☼	10/23/15 23:32	25
PCB-1248	1.1	U	1.8	1.1	0.44	mg/Kg	☼	10/23/15 23:32	25
PCB-1254	1.6	U	1.8	1.6	0.54	mg/Kg	☼	10/23/15 23:32	25
PCB-1260	1.2	U	1.8	1.2	0.51	mg/Kg	☼	10/23/15 23:32	25
Toxaphene	0.70	U	9.1	0.70	0.29	mg/Kg	☼	10/23/15 23:32	25

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid
Percent Solids: 46.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/20/15 14:35	10/23/15 23:32	25
Tetrachloro-m-xylene	0	D	46 - 130	10/20/15 14:35	10/23/15 23:32	25

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	680	U	1400	680	250	ug/Kg	☼	11/05/15 18:05	10
Azinphos-ethyl	680	U	680	680	180	ug/Kg	☼	11/05/15 18:05	10
Azinphos-methyl	160	U	270	160	72	ug/Kg	☼	11/05/15 18:05	10
Bolstar	350	U	270	350	87	ug/Kg	☼	11/05/15 18:05	10
Chlorpyrifos	350	U	410	350	130	ug/Kg	☼	11/05/15 18:05	10
Coumaphos	160	U	270	160	58	ug/Kg	☼	11/05/15 18:05	10
Demeton-O	470	U	800	470	110	ug/Kg	☼	11/05/15 18:05	10
Demeton-S	210	U	310	210	100	ug/Kg	☼	11/05/15 18:05	10
Demeton, Total	350	U	800	350	150	ug/Kg	☼	11/05/15 18:05	10
Diazinon	350	U	450	350	150	ug/Kg	☼	11/05/15 18:05	10
Dichlorvos	350	U	470	350	150	ug/Kg	☼	11/05/15 18:05	10
Dimethoate	350	U	450	350	150	ug/Kg	☼	11/05/15 18:05	10
Disulfoton	350	U	990	350	160	ug/Kg	☼	11/05/15 18:05	10
EPN	160	U	270	160	76	ug/Kg	☼	11/05/15 18:05	10
Mocap	350	U	310	350	100	ug/Kg	☼	11/05/15 18:05	10
Ethyl Parathion	350	U	370	350	110	ug/Kg	☼	11/05/15 18:05	10
Famphur	160	U	270	160	66	ug/Kg	☼	11/05/15 18:05	10
Fensulfothion	350	U	510	350	170	ug/Kg	☼	11/05/15 18:05	10
Fenthion	680	U	680	680	180	ug/Kg	☼	11/05/15 18:05	10
Malathion	350	U	310	350	95	ug/Kg	☼	11/05/15 18:05	10
Merphos	350	U	620	350	110	ug/Kg	☼	11/05/15 18:05	10
Methyl parathion	350	U	410	350	130	ug/Kg	☼	11/05/15 18:05	10
Mevinphos	350	U	310	350	95	ug/Kg	☼	11/05/15 18:05	10
Phorate	350	U	410	350	120	ug/Kg	☼	11/05/15 18:05	10
Phosmet	1400	U	1400	1400	400	ug/Kg	☼	11/05/15 18:05	10
Propazine	680	U	1400	680	180	ug/Kg	☼	11/05/15 18:05	10
Ronnel	680	U	950	680	310	ug/Kg	☼	11/05/15 18:05	10
Simazine	1400	U	1400	1400	450	ug/Kg	☼	11/05/15 18:05	10
Tetrachlorvinphos (Stirophos)	350	U	310	350	90	ug/Kg	☼	11/05/15 18:05	10
Sulfotepp	350	U	410	350	130	ug/Kg	☼	11/05/15 18:05	10
Thionazin	350	U	370	350	110	ug/Kg	☼	11/05/15 18:05	10
Tokuthion	160	U	410	160	80	ug/Kg	☼	11/05/15 18:05	10
Trichloronate	350	U	410	350	130	ug/Kg	☼	11/05/15 18:05	10
o,o',o''-Triethylphosphorothioate	350	U	800	350	160	ug/Kg	☼	11/05/15 18:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	131	D	47 - 161	10/24/15 11:05	11/05/15 18:05	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	14000	U	14000	14000	4700	ug/Kg	☼	10/29/15 19:10	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	141	D	47 - 161	10/24/15 11:05	10/29/15 19:10	100

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSF1001
Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20
Matrix: Solid
Percent Solids: 46.3

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.11	U	0.18	0.11	0.11	mg/Kg	☼	10/24/15 07:12	10
Dalapon	0.17	U	2.2	0.17	0.062	mg/Kg	☼	10/24/15 07:12	10
2,4-DB	0.11	U Q	0.18	0.11	0.065	mg/Kg	☼	10/24/15 07:12	10
Dicamba	0.11	U	0.18	0.11	0.041	mg/Kg	☼	10/24/15 07:12	10
Dichlorprop	0.043	U	0.18	0.043	0.024	mg/Kg	☼	10/24/15 07:12	10
Dinoseb	0.11	U	1.1	0.11	0.099	mg/Kg	☼	10/24/15 07:12	10
MCPA	10	U	43	10	4.1	mg/Kg	☼	10/24/15 07:12	10
MCPP	10	U	43	10	3.7	mg/Kg	☼	10/24/15 07:12	10
Pentachlorophenol	0.022	U	0.18	0.022	0.0090	mg/Kg	☼	10/24/15 07:12	10
Silvex (2,4,5-TP)	0.11	U	0.18	0.11	0.034	mg/Kg	☼	10/24/15 07:12	10
2,4,5-T	0.11	U	0.18	0.11	0.050	mg/Kg	☼	10/24/15 07:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/21/15 09:26*	*10/24/15 07:12*	*10*

Method: 8015C GRO - Gasoline Range Organics (GRO)

Lab Sample ID: MB 680-407239/22
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/24/15 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*68 - 134*		*10/24/15 12:42*	*1*

Lab Sample ID: MB 680-407239/6
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/24/15 05:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*114*		*68 - 134*		*10/24/15 05:41*	*1*

Lab Sample ID: LCS 680-407239/20
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.996		mg/Kg		100	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*68 - 134*

Lab Sample ID: LCS 680-407239/4
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	1.08		mg/Kg		108	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*68 - 134*

Lab Sample ID: LCSD 680-407239/21
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	1.01		mg/Kg		101	79 - 122	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*121*		*68 - 134*

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: LCSD 680-407239/5
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.972		mg/Kg		97	79 - 122	10	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*115*		*68 - 134*

Lab Sample ID: MB 680-407291/8
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/25/15 16:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*119*		*68 - 134*		*10/25/15 16:17*	*1*

Lab Sample ID: LCS 680-407291/6
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.943		mg/Kg		94	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*114*		*68 - 134*

Lab Sample ID: LCSD 680-407291/7
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.978		mg/Kg		98	79 - 122	4	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*111*		*68 - 134*

Lab Sample ID: MB 680-407669/6
Matrix: Solid
Analysis Batch: 407669

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/27/15 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*118*		*68 - 134*		*10/27/15 17:31*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: LCS 680-407669/4
Matrix: Solid
Analysis Batch: 407669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.828		mg/Kg		83	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*68 - 134*

Lab Sample ID: LCSD 680-407669/5
Matrix: Solid
Analysis Batch: 407669

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	1.01		mg/Kg		101	79 - 122	20	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*68 - 134*

Lab Sample ID: MB 680-407888/6
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/29/15 02:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*112*		*68 - 134*		*10/29/15 02:50*	*1*

Lab Sample ID: LCS 680-407888/4
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.961		mg/Kg		96	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*107*		*68 - 134*

Lab Sample ID: LCSD 680-407888/5
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.943		mg/Kg		94	79 - 122	2	50

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: LCSD 680-407888/5
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*112*		*68 - 134*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 680-406543/21-A
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406543

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.0	U	3.3	3.0	2.1	mg/Kg		10/31/15 15:58	1
Oil Range Organics (C20-C36)	20	U	20	20	20	mg/Kg		10/31/15 15:58	1
JP-4 Fuel	6.6	U	6.6	6.6	6.6	mg/Kg		10/31/15 15:58	1
JP-5	3.3	U	3.3	3.3	3.3	mg/Kg		10/31/15 15:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*109*		*45 - 130*	*10/20/15 17:35*	*10/31/15 15:58*	*1*

Lab Sample ID: LCS 680-406543/22-A
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	33.2	34.8		mg/Kg		105	38 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*109*		*45 - 130*

Lab Sample ID: LCS 680-406543/25-A
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil Range Organics (C20-C36)	66.6	52.9		mg/Kg		79	13 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*89*		*45 - 130*

Lab Sample ID: 680-117942-2 MS
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: AOPSF201
Prep Type: Total/NA
Prep Batch: 406543

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	160	U	35.7	160	U	mg/Kg	☼	NC	38 - 132

Method: 8015C DRO - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 680-117942-2 MS
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: AOPSF201
Prep Type: Total/NA
Prep Batch: 406543

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: 680-117942-2 MSD
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: AOPSF201
Prep Type: Total/NA
Prep Batch: 406543

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	160	U	36.0	160	U	mg/Kg	☼	NC	38 - 132	NC	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-406518/21-A
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406518

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.00037	U	0.0017	0.00037	0.00015	mg/Kg		10/23/15 15:23	1
alpha-BHC	0.00037	U	0.0017	0.00037	0.00014	mg/Kg		10/23/15 15:23	1
alpha-Chlordane	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/23/15 15:23	1
beta-BHC	0.00073	U	0.0017	0.00073	0.00033	mg/Kg		10/23/15 15:23	1
Chlordane (technical)	0.0067	U	0.017	0.0067	0.0029	mg/Kg		10/23/15 15:23	1
Chlorobenzilate	0.058	U	0.10	0.058	0.024	mg/Kg		10/23/15 15:23	1
4,4'-DDD	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/23/15 15:23	1
4,4'-DDE	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/23/15 15:23	1
4,4'-DDT	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/23/15 15:23	1
delta-BHC	0.00050	U	0.0017	0.00050	0.00019	mg/Kg		10/23/15 15:23	1
Dieldrin	0.00037	U	0.0017	0.00037	0.00017	mg/Kg		10/23/15 15:23	1
Endosulfan I	0.00037	U	0.0017	0.00037	0.00017	mg/Kg		10/23/15 15:23	1
Endosulfan II	0.00037	U	0.0017	0.00037	0.00015	mg/Kg		10/23/15 15:23	1
Endosulfan sulfate	0.00050	U	0.0017	0.00050	0.00021	mg/Kg		10/23/15 15:23	1
Endrin	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/23/15 15:23	1
Endrin aldehyde	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/23/15 15:23	1
Endrin ketone	0.00050	U	0.0017	0.00050	0.00020	mg/Kg		10/23/15 15:23	1
gamma-BHC (Lindane)	0.00037	U	0.0017	0.00037	0.00014	mg/Kg		10/23/15 15:23	1
gamma-Chlordane	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/23/15 15:23	1
Heptachlor	0.00050	U	0.0017	0.00050	0.00019	mg/Kg		10/23/15 15:23	1
Heptachlor epoxide	0.00037	U	0.0017	0.00037	0.00016	mg/Kg		10/23/15 15:23	1
Isodrin	0.00092	U	0.0017	0.00092	0.00034	mg/Kg		10/23/15 15:23	1
Kepone	0.035	U	0.10	0.035	0.013	mg/Kg		10/23/15 15:23	1
Methoxychlor	0.00073	U	0.0017	0.00073	0.00028	mg/Kg		10/23/15 15:23	1
PCB-1016	0.023	U	0.033	0.023	0.011	mg/Kg		10/23/15 15:23	1
PCB-1221	0.030	U	0.033	0.030	0.015	mg/Kg		10/23/15 15:23	1
PCB-1232	0.013	U	0.033	0.013	0.0052	mg/Kg		10/23/15 15:23	1
PCB-1242	0.013	U	0.033	0.013	0.0050	mg/Kg		10/23/15 15:23	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-406518/21-A
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406518

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1248	0.020	U	0.033	0.020	0.0082	mg/Kg		10/23/15 15:23	1
PCB-1254	0.030	U	0.033	0.030	0.010	mg/Kg		10/23/15 15:23	1
PCB-1260	0.023	U	0.033	0.023	0.0096	mg/Kg		10/23/15 15:23	1
Toxaphene	0 013	U	0 17	0 013	0 0055	mg/Kg		10/23/15 15 23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*44 - 129*	*10/20/15 14:35*	*10/23/15 15:23*	*1*
Tetrachloro-m-xylene	*94*		*46 - 130*	*10/20/15 14:35*	*10/23/15 15:23*	*1*

Lab Sample ID: LCS 680-406518/22-A
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.399	0.348		mg/Kg		87	47 - 134
PCB-1260	0.399	0.350		mg/Kg		88	53 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*44 - 129*
Tetrachloro-m-xylene	*90*		*46 - 130*

Lab Sample ID: LCS 680-406518/25-A
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.00654	0.00678		mg/Kg		104	45 - 136
alpha-BHC	0.00654	0.00630		mg/Kg		96	45 - 137
alpha-Chlordane	0.00654	0.00711		mg/Kg		109	54 - 133
beta-BHC	0.00654	0.00656		mg/Kg		100	50 - 136
4,4'-DDD	0.00654	0.00690		mg/Kg		105	56 - 139
4,4'-DDE	0.00654	0.00721		mg/Kg		110	56 - 134
4,4'-DDT	0.00654	0.00715		mg/Kg		109	50 - 141
delta-BHC	0.00654	0.00595		mg/Kg		91	47 - 139
Dieldrin	0.00654	0.00656		mg/Kg		100	56 - 136
Endosulfan I	0.00654	0.00602		mg/Kg		92	53 - 132
Endosulfan II	0.00654	0.00617		mg/Kg		94	53 - 134
Endosulfan sulfate	0.00654	0.00706		mg/Kg		108	55 - 136
Endrin	0.00654	0.00723		mg/Kg		111	57 - 140
Endrin aldehyde	0.00654	0.00618		mg/Kg		94	35 - 137
Endrin ketone	0.00654	0.00721		mg/Kg		110	55 - 136
gamma-BHC (Lindane)	0.00654	0.00649		mg/Kg		99	49 - 135
gamma-Chlordane	0.00654	0.00702		mg/Kg		107	53 - 135
Heptachlor	0.00654	0.00674		mg/Kg		103	47 - 136
Heptachlor epoxide	0.00654	0.00680		mg/Kg		104	52 - 136
Methoxychlor	0.00654	0.00746		mg/Kg		114	52 - 143

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-406518/25-A
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406518

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*44 - 129*
Tetrachloro-m-xylene	*92*		*46 - 130*

Lab Sample ID: LCS 680-406518/28-A
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.993	0.903		mg/Kg		91	57 - 142
Isodrin	0.0166	0.0173		mg/Kg		105	16 - 130
Kepone	0.993	1.23		mg/Kg		123	10 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*44 - 129*
Tetrachloro-m-xylene	*93*		*46 - 130*

Lab Sample ID: LCSD 680-406518/29-A
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 406518

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzilate	0.996	0.958		mg/Kg		96	57 - 142	6	30
Isodrin	0.0166	0.0182		mg/Kg		109	16 - 130	5	30
Kepone	0.996	1.25		mg/Kg		125	10 - 138	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*44 - 129*
Tetrachloro-m-xylene	*92*		*46 - 130*

Lab Sample ID: 680-117942-8 MS
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: AOPSF101
Prep Type: Total/NA
Prep Batch: 406518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.0	U	0.711	2.0	U	mg/Kg	☼	NC	47 - 134
PCB-1260	2.0	U	0.711	2.0	U	mg/Kg	☼	NC	53 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*

Lab Sample ID: 680-117942-8 MSD
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: AOPSF101
Prep Type: Total/NA
Prep Batch: 406518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	2.0	U	0.715	2.1	U	mg/Kg	☼	NC	47 - 134	NC	30

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-117942-8 MSD
Matrix: Solid
Analysis Batch: 407184

Client Sample ID: AOPSF101
Prep Type: Total/NA
Prep Batch: 406518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	2.0	U	0.715	2.1	U	mg/Kg	☼	NC	53 - 140	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 301748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	33	U	67	33	12	ug/Kg		10/29/15 18:20	1
Azinphos-ethyl	33	U	33	33	8.7	ug/Kg		10/29/15 18:20	1
Azinphos-methyl	8.0	U	13	8.0	3.5	ug/Kg		10/29/15 18:20	1
Bolstar	17	U	13	17	4.2	ug/Kg		10/29/15 18:20	1
Chlorpyrifos	17	U	20	17	6.5	ug/Kg		10/29/15 18:20	1
Coumaphos	8.0	U	13	8.0	2.8	ug/Kg		10/29/15 18:20	1
Demeton-O	23	U	39	23	5.3	ug/Kg		10/29/15 18:20	1
Demeton-S	10	U	15	10	4.9	ug/Kg		10/29/15 18:20	1
Demeton, Total	17	U	39	17	7.5	ug/Kg		10/29/15 18:20	1
Diazinon	17	U	22	17	7.3	ug/Kg		10/29/15 18:20	1
Dichlorvos	17	U	23	17	7.4	ug/Kg		10/29/15 18:20	1
Dimethoate	17	U	22	17	7.1	ug/Kg		10/29/15 18:20	1
Disulfoton	17	U	48	17	7.7	ug/Kg		10/29/15 18:20	1
Mocap	17	U	15	17	4.9	ug/Kg		10/29/15 18:20	1
Ethyl Parathion	17	U	18	17	5.3	ug/Kg		10/29/15 18:20	1
Famphur	8.0	U	13	8.0	3.2	ug/Kg		10/29/15 18:20	1
Fensulfothion	17	U	25	17	8.2	ug/Kg		10/29/15 18:20	1
Fenthion	33	U	33	33	8.7	ug/Kg		10/29/15 18:20	1
Malathion	17	U	15	17	4.6	ug/Kg		10/29/15 18:20	1
Merphos	17	U	30	17	5.1	ug/Kg		10/29/15 18:20	1
Methyl parathion	17	U	20	17	6.4	ug/Kg		10/29/15 18:20	1
Mevinphos	17	U	15	17	4.6	ug/Kg		10/29/15 18:20	1
Naled	67	U	70	67	23	ug/Kg		10/29/15 18:20	1
Phorate	17	U	20	17	5.7	ug/Kg		10/29/15 18:20	1
Propazine	33	U	67	33	8.6	ug/Kg		10/29/15 18:20	1
Ronnel	33	U	46	33	15	ug/Kg		10/29/15 18:20	1
Simazine	67	U	67	67	22	ug/Kg		10/29/15 18:20	1
Tetrachlorvinphos (Stirophos)	17	U	15	17	4.4	ug/Kg		10/29/15 18:20	1
Sulfotepp	17	U	20	17	6.3	ug/Kg		10/29/15 18:20	1
Thionazin	17	U	18	17	5.6	ug/Kg		10/29/15 18:20	1
Tokuthion	8.0	U	20	8.0	3.9	ug/Kg		10/29/15 18:20	1
Trichloronate	17	U	20	17	6.3	ug/Kg		10/29/15 18:20	1
o,o',o''-Triethylphosphorothioate	17	U	39	17	7.9	ug/Kg		10/29/15 18:20	1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 301748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	95		47 - 161	10/24/15 11:05	10/29/15 18:20	1

Lab Sample ID: LCS 280-300892/2-A
Matrix: Solid
Analysis Batch: 301748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	133	104		ug/Kg		78	49 - 115
Azinphos-ethyl	133	90.2		ug/Kg		68	50 - 150
Azinphos-methyl	133	102		ug/Kg		76	38 - 156
Bolstar	133	102		ug/Kg		76	48 - 139
Chlorpyrifos	133	103		ug/Kg		77	47 - 140
Coumaphos	133	126		ug/Kg		95	37 - 160
Demeton, Total	133	98.2		ug/Kg		74	43 - 117
Diazinon	133	91.7		ug/Kg		69	42 - 134
Dichlorvos	133	102		ug/Kg		76	39 - 142
Dimethoate	133	99.8		ug/Kg		75	16 - 139
Disulfoton	133	84.1	M	ug/Kg		63	28 - 145
Mocap	133	90.7		ug/Kg		68	47 - 128
Ethyl Parathion	133	105		ug/Kg		79	50 - 139
Famphur	133	114		ug/Kg		85	47 - 134
Fensulfothion	133	110		ug/Kg		82	27 - 147
Fenthion	133	99.2		ug/Kg		74	44 - 134
Malathion	133	83.1		ug/Kg		62	46 - 137
Merphos	133	31.7		ug/Kg		24	19 - 115
Methyl parathion	133	111		ug/Kg		83	49 - 138
Mevinphos	133	62.2		ug/Kg		47	10 - 226
Naled	133	43.5	J	ug/Kg		33	10 - 115
Phorate	133	66.3		ug/Kg		50	23 - 142
Propazine	133	110		ug/Kg		83	52 - 115
Ronnel	133	117		ug/Kg		88	45 - 138
Simazine	133	107		ug/Kg		80	44 - 142
Tetrachlorvinphos (Stirophos)	133	107		ug/Kg		80	42 - 140
Sulfotepp	133	84.0		ug/Kg		63	52 - 126
Thionazin	133	87.0		ug/Kg		65	44 - 124
Tokuthion	133	106		ug/Kg		80	45 - 136
Trichloronate	133	97.1		ug/Kg		73	37 - 140
o,o',o''-Triethylphosphorothioate	133	68.7		ug/Kg		51	40 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	95		47 - 161

Lab Sample ID: MB 280-300944/1-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300944

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	33	U	67	33	12	ug/Kg		10/27/15 17:46	1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-300944/1-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300944

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Azinphos-ethyl	33	U	33	33	8.7	ug/Kg		10/27/15 17:46	1
Azinphos-methyl	8.0	U	13	8.0	3.5	ug/Kg		10/27/15 17:46	1
Bolstar	17	U	13	17	4.2	ug/Kg		10/27/15 17:46	1
Chlorpyrifos	17	U	20	17	6.5	ug/Kg		10/27/15 17:46	1
Coumaphos	8.0	U	13	8.0	2.8	ug/Kg		10/27/15 17:46	1
Demeton-O	23	U	39	23	5.3	ug/Kg		10/27/15 17:46	1
Demeton-S	10	U	15	10	4.9	ug/Kg		10/27/15 17:46	1
Demeton, Total	17	U	39	17	7.5	ug/Kg		10/27/15 17:46	1
Diazinon	17	U	22	17	7.3	ug/Kg		10/27/15 17:46	1
Dichlorvos	17	U	23	17	7.4	ug/Kg		10/27/15 17:46	1
Dimethoate	17	U	22	17	7.1	ug/Kg		10/27/15 17:46	1
Disulfoton	17	U	48	17	7.7	ug/Kg		10/27/15 17:46	1
EPN	8.0	U	13	8.0	3.7	ug/Kg		10/27/15 17:46	1
Mocap	17	U	15	17	4.9	ug/Kg		10/27/15 17:46	1
Ethyl Parathion	17	U	18	17	5.3	ug/Kg		10/27/15 17:46	1
Famphur	8.0	U	13	8.0	3.2	ug/Kg		10/27/15 17:46	1
Fensulfothion	17	U	25	17	8.2	ug/Kg		10/27/15 17:46	1
Fenthion	33	U	33	33	8.7	ug/Kg		10/27/15 17:46	1
Malathion	17	U	15	17	4.6	ug/Kg		10/27/15 17:46	1
Merphos	17	U	30	17	5.1	ug/Kg		10/27/15 17:46	1
Methyl parathion	17	U	20	17	6.4	ug/Kg		10/27/15 17:46	1
Mevinphos	17	U	15	17	4.6	ug/Kg		10/27/15 17:46	1
Naled	67	U	70	67	23	ug/Kg		10/27/15 17:46	1
Phorate	17	U	20	17	5.7	ug/Kg		10/27/15 17:46	1
Phosmet	67	U	67	67	19	ug/Kg		10/27/15 17:46	1
Propazine	33	U	67	33	8.6	ug/Kg		10/27/15 17:46	1
Ronnel	33	U	46	33	15	ug/Kg		10/27/15 17:46	1
Simazine	67	U	67	67	22	ug/Kg		10/27/15 17:46	1
Tetrachlorvinphos (Stirophos)	17	U	15	17	4.4	ug/Kg		10/27/15 17:46	1
Sulfotepp	17	U	20	17	6.3	ug/Kg		10/27/15 17:46	1
Thionazin	17	U	18	17	5.6	ug/Kg		10/27/15 17:46	1
Tokuthion	8.0	U	20	8.0	3.9	ug/Kg		10/27/15 17:46	1
Trichloronate	17	U	20	17	6.3	ug/Kg		10/27/15 17:46	1
o,o',o''-Triethylphosphorothioate	17	U	39	17	7.9	ug/Kg		10/27/15 17:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*112*		*47 - 161*	*10/24/15 12:30*	*10/27/15 17:46*	*1*

Lab Sample ID: LCS 280-300944/2-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	133	123		ug/Kg		92	49 - 115
Azinphos-ethyl	133	123		ug/Kg		92	50 - 150
Azinphos-methyl	133	128		ug/Kg		96	38 - 156
Bolstar	133	118		ug/Kg		89	48 - 139
Chlorpyrifos	133	124		ug/Kg		93	47 - 140

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-300944/2-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Coumaphos	133	149		ug/Kg		111	37 - 160
Demeton, Total	133	111		ug/Kg		83	43 - 117
Diazinon	133	108		ug/Kg		81	42 - 134
Dichlorvos	133	139		ug/Kg		104	39 - 142
Dimethoate	133	117		ug/Kg		88	16 - 139
Disulfoton	133	108		ug/Kg		81	28 - 145
EPN	133	118		ug/Kg		89	44 - 137
Mocap	133	105		ug/Kg		79	47 - 128
Ethyl Parathion	133	123		ug/Kg		92	50 - 139
Famphur	133	134		ug/Kg		101	47 - 134
Fensulfothion	133	130		ug/Kg		98	27 - 147
Fenthion	133	120		ug/Kg		90	44 - 134
Malathion	133	98.9		ug/Kg		74	46 - 137
Merphos	133	40.0		ug/Kg		30	19 - 115
Methyl parathion	133	131		ug/Kg		98	49 - 138
Mevinphos	133	74.2		ug/Kg		56	10 - 226
Naled	133	67	U	ug/Kg		15	10 - 115
Phorate	133	82.7		ug/Kg		62	23 - 142
Phosmet	133	122		ug/Kg		92	59 - 137
Propazine	133	122		ug/Kg		92	52 - 115
Ronnel	133	140		ug/Kg		105	45 - 138
Simazine	133	125		ug/Kg		94	44 - 142
Tetrachlorvinphos (Stirophos)	133	125		ug/Kg		94	42 - 140
Sulfotepp	133	101		ug/Kg		76	52 - 126
Thionazin	133	107		ug/Kg		80	44 - 124
Tokuthion	133	124		ug/Kg		93	45 - 136
Trichloronate	133	113		ug/Kg		85	37 - 140
o,o',o''-Triethylphosphorothioate	133	85.1		ug/Kg		64	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*125*		*47 - 161*

Lab Sample ID: 680-117942-17 MS
Matrix: Solid
Analysis Batch: 301497

Client Sample ID: AOPSD701
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	330	U J	142	350	U D J	ug/Kg	☼	0	49 - 115
Azinphos-ethyl	330	U J	142	350	U D J	ug/Kg	☼	0	50 - 150
Azinphos-methyl	80	U	142	81.5	J D	ug/Kg	☼	57	38 - 156
Bolstar	170	U	142	125	J D	ug/Kg	☼	88	48 - 139
Chlorpyrifos	170	U	142	124	J D	ug/Kg	☼	87	47 - 140
Coumaphos	80	U J	142	82.4	J D	ug/Kg	☼	58	37 - 160
Demeton, Total	170	U	142	114	J D	ug/Kg	☼	80	43 - 117
Diazinon	170	U	142	113	J D	ug/Kg	☼	79	42 - 134
Dichlorvos	170	U	142	130	J D	ug/Kg	☼	92	39 - 142
Dimethoate	170	U J	142	180	U D J	ug/Kg	☼	0	16 - 139
Disulfoton	170	U	142	106	J D M	ug/Kg	☼	74	28 - 145

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 680-117942-17 MS
Matrix: Solid
Analysis Batch: 301497

Client Sample ID: AOPSD701
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EPN	80	U	142	105	J D	ug/Kg	☼	74	44 - 137
Mocap	170	U	142	115	J D	ug/Kg	☼	81	47 - 128
Ethyl Parathion	170	U	142	121	J D	ug/Kg	☼	85	50 - 139
Famphur	80	U J	142	68.5	J D	ug/Kg	☼	48	47 - 134
Fensulfothion	170	U J	142	180	U D J	ug/Kg	☼	0	27 - 147
Fenthion	330	U	142	120	J D	ug/Kg	☼	84	44 - 134
Malathion	170	U	142	94.6	J D	ug/Kg	☼	66	46 - 137
Merphos	170	U J	142	180	U D J	ug/Kg	☼	0	19 - 115
Methyl parathion	170	U	142	118	J D	ug/Kg	☼	83	49 - 138
Mevinphos	170	U	142	74.4	J D	ug/Kg	☼	52	10 - 226
Naled	670	U	142	720	U D	ug/Kg	☼	NC	10 - 115
Phorate	170	U	142	85.6	J D	ug/Kg	☼	60	23 - 142
Phosmet	670	U	142	720	U D	ug/Kg	☼	NC	59 - 137
Propazine	330	U	142	124	J D	ug/Kg	☼	87	52 - 115
Ronnel	330	U	142	350	U D	ug/Kg	☼	NC	45 - 138
Simazine	670	U	142	720	U D	ug/Kg	☼	NC	44 - 142
Tetrachlorvinphos (Stirophos)	170	U	142	107	J D	ug/Kg	☼	75	42 - 140
Sulfotepp	170	U	142	92.8	J D	ug/Kg	☼	65	52 - 126
Thionazin	170	U	142	108	J D	ug/Kg	☼	76	44 - 124
Tokuthion	80	U	142	128	J D	ug/Kg	☼	90	45 - 136
Trichloronate	170	U	142	114	J D	ug/Kg	☼	80	37 - 140
o,o',o''-Triethylphosphorothioate	170	U J	142	180	U D J	ug/Kg	☼	0	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Triphenylphosphate	*111*	*D*	*47 - 161*

Lab Sample ID: 680-117942-17 MSD
Matrix: Solid
Analysis Batch: 301497

Client Sample ID: AOPSD701
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	330	U J	145	152	D J	ug/Kg	☼	105	49 - 115	200	30
Azinphos-ethyl	330	U J	145	118	D J	ug/Kg	☼	81	50 - 150	200	30
Azinphos-methyl	80	U	145	110	J D	ug/Kg	☼	76	38 - 156	30	30
Bolstar	170	U	145	125	J D	ug/Kg	☼	87	48 - 139	0	30
Chlorpyrifos	170	U	145	122	J D	ug/Kg	☼	84	47 - 140	2	30
Coumaphos	80	U J	145	123	D J	ug/Kg	☼	85	37 - 160	40	30
Demeton, Total	170	U	145	108	J D	ug/Kg	☼	75	43 - 117	5	30
Diazinon	170	U	145	108	J D	ug/Kg	☼	74	42 - 134	4	30
Dichlorvos	170	U	145	131	J D	ug/Kg	☼	91	39 - 142	1	30
Dimethoate	170	U J	145	118	D J	ug/Kg	☼	82	16 - 139	200	30
Disulfoton	170	U	145	107	J D M	ug/Kg	☼	74	28 - 145	1	30
EPN	80	U	145	111	J D	ug/Kg	☼	77	44 - 137	6	30
Mocap	170	U	145	115	J D	ug/Kg	☼	79	47 - 128	1	30
Ethyl Parathion	170	U	145	125	J D	ug/Kg	☼	86	50 - 139	3	30
Famphur	80	U J	145	121	D J	ug/Kg	☼	84	47 - 134	55	30
Fensulfothion	170	U J	145	131	D J	ug/Kg	☼	91	27 - 147	200	30
Fenthion	330	U	145	123	J D	ug/Kg	☼	85	44 - 134	2	30

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 680-117942-17 MSD
Matrix: Solid
Analysis Batch: 301497

Client Sample ID: AOPSD701
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Malathion	170	U	145	99.6	J D	ug/Kg	☼	69	46 - 137	5	30
Merphos	170	U J	145	180	U D J	ug/Kg	☼	0	19 - 115	NC	30
Methyl parathion	170	U	145	131	J D	ug/Kg	☼	91	49 - 138	10	30
Mevinphos	170	U	145	79.1	J D	ug/Kg	☼	55	10 - 226	6	30
Naled	670	U	145	730	U D	ug/Kg	☼	NC	10 - 115	NC	30
Phorate	170	U	145	79.3	J D	ug/Kg	☼	55	23 - 142	8	30
Phosmet	670	U	145	730	U D	ug/Kg	☼	NC	59 - 137	NC	30
Propazine	330	U	145	143	J D	ug/Kg	☼	99	52 - 115	14	30
Ronnel	330	U	145	360	U D	ug/Kg	☼	NC	45 - 138	NC	30
Simazine	670	U	145	730	U D	ug/Kg	☼	NC	44 - 142	NC	30
Tetrachlorvinphos (Stirophos)	170	U	145	116	J D	ug/Kg	☼	80	42 - 140	8	30
Sulfotepp	170	U	145	87.1	J D	ug/Kg	☼	60	52 - 126	6	30
Thionazin	170	U	145	105	J D	ug/Kg	☼	73	44 - 124	2	30
Tokuthion	80	U	145	126	J D	ug/Kg	☼	87	45 - 136	2	30
Trichloronate	170	U	145	112	J D	ug/Kg	☼	77	37 - 140	2	30
o,o',o''-Triethylphosphorothioate	170	U J	145	180	U D J	ug/Kg	☼	0	40 - 120	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Triphenylphosphate	*113*	*D*	*47 - 161*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine - RA	33	U	67	33	12	ug/Kg		11/05/15 16:03	1
Azinphos-ethyl - RA	33	U	33	33	8.7	ug/Kg		11/05/15 16:03	1
Azinphos-methyl - RA	8.0	U	13	8.0	3.5	ug/Kg		11/05/15 16:03	1
Bolstar - RA	17	U	13	17	4.2	ug/Kg		11/05/15 16:03	1
Chlorpyrifos - RA	17	U	20	17	6.5	ug/Kg		11/05/15 16:03	1
Coumaphos - RA	8.0	U	13	8.0	2.8	ug/Kg		11/05/15 16:03	1
Demeton-O - RA	23	U	39	23	5.3	ug/Kg		11/05/15 16:03	1
Demeton-S - RA	10	U	15	10	4.9	ug/Kg		11/05/15 16:03	1
Demeton, Total - RA	17	U	39	17	7.5	ug/Kg		11/05/15 16:03	1
Diazinon - RA	17	U	22	17	7.3	ug/Kg		11/05/15 16:03	1
Dichlorvos - RA	17	U	23	17	7.4	ug/Kg		11/05/15 16:03	1
Dimethoate - RA	17	U	22	17	7.1	ug/Kg		11/05/15 16:03	1
Disulfoton - RA	17	U	48	17	7.7	ug/Kg		11/05/15 16:03	1
EPN - RA	8.0	U	13	8.0	3.7	ug/Kg		11/05/15 16:03	1
Mocap - RA	17	U	15	17	4.9	ug/Kg		11/05/15 16:03	1
Ethyl Parathion - RA	17	U	18	17	5.3	ug/Kg		11/05/15 16:03	1
Famphur - RA	8.0	U	13	8.0	3.2	ug/Kg		11/05/15 16:03	1
Fensulfothion - RA	17	U	25	17	8.2	ug/Kg		11/05/15 16:03	1
Fenthion - RA	33	U	33	33	8.7	ug/Kg		11/05/15 16:03	1
Malathion - RA	17	U	15	17	4.6	ug/Kg		11/05/15 16:03	1
Merphos - RA	17	U	30	17	5.1	ug/Kg		11/05/15 16:03	1

Method: 8141A - Organophosphorous Pesticides (GC) - RA (Continued)

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methyl parathion - RA	17	U	20	17	6.4	ug/Kg		11/05/15 16:03	1
Mevinphos - RA	17	U	15	17	4.6	ug/Kg		11/05/15 16:03	1
Naled - RA	67	U	70	67	23	ug/Kg		11/05/15 16:03	1
Phorate - RA	17	U	20	17	5.7	ug/Kg		11/05/15 16:03	1
Phosmet - RA	67	U	67	67	19	ug/Kg		11/05/15 16:03	1
Propazine - RA	33	U	67	33	8.6	ug/Kg		11/05/15 16:03	1
Ronnel - RA	33	U	46	33	15	ug/Kg		11/05/15 16:03	1
Simazine - RA	67	U	67	67	22	ug/Kg		11/05/15 16:03	1
Tetrachlorvinphos (Stirophos) - RA	17	U	15	17	4.4	ug/Kg		11/05/15 16:03	1
Sulfotepp - RA	17	U	20	17	6.3	ug/Kg		11/05/15 16:03	1
Thionazin - RA	17	U	18	17	5.6	ug/Kg		11/05/15 16:03	1
Tokuthion - RA	8.0	U	20	8.0	3.9	ug/Kg		11/05/15 16:03	1
Trichloronate - RA	17	U	20	17	6.3	ug/Kg		11/05/15 16:03	1
o,o',o''-Triethylphosphorothioate - RA	17	U	39	17	7.9	ug/Kg		11/05/15 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate - RA	*109*		*47 - 161*	*10/24/15 11:05*	*11/05/15 16:03*	*1*

Lab Sample ID: LCS 280-300892/2-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine - RA	133	89.0		ug/Kg		67	49 - 115
Azinphos-ethyl - RA	133	116		ug/Kg		87	50 - 150
Azinphos-methyl - RA	133	112		ug/Kg		84	38 - 156
Bolstar - RA	133	103		ug/Kg		77	48 - 139
Chlorpyrifos - RA	133	112		ug/Kg		84	47 - 140
Coumaphos - RA	133	119		ug/Kg		89	37 - 160
Demeton, Total - RA	133	102		ug/Kg		76	43 - 117
Diazinon - RA	133	90.5		ug/Kg		68	42 - 134
Dichlorvos - RA	133	130		ug/Kg		98	39 - 142
Dimethoate - RA	133	106		ug/Kg		80	16 - 139
Disulfoton - RA	133	84.8		ug/Kg		64	28 - 145
EPN - RA	133	111		ug/Kg		84	44 - 137
Mocap - RA	133	91.1		ug/Kg		68	47 - 128
Ethyl Parathion - RA	133	108		ug/Kg		81	50 - 139
Famphur - RA	133	117		ug/Kg		88	47 - 134
Fensulfothion - RA	133	125		ug/Kg		94	27 - 147
Fenthion - RA	133	107		ug/Kg		80	44 - 134
Malathion - RA	133	95.7		ug/Kg		72	46 - 137
Merphos - RA	133	32.6		ug/Kg		24	19 - 115
Methyl parathion - RA	133	115		ug/Kg		86	49 - 138
Mevinphos - RA	133	82.8		ug/Kg		62	10 - 226
Naled - RA	133	38.1	J	ug/Kg		29	10 - 115
Phorate - RA	133	75.4		ug/Kg		57	23 - 142
Phosmet - RA	133	115		ug/Kg		87	59 - 137
Propazine - RA	133	94.9		ug/Kg		71	52 - 115

Method: 8141A - Organophosphorous Pesticides (GC) - RA (Continued)

Lab Sample ID: LCS 280-300892/2-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ronnel - RA	133	113		ug/Kg		84	45 - 138
Simazine - RA	133	81.3		ug/Kg		61	44 - 142
Tetrachlorvinphos (Stirophos) - RA	133	110		ug/Kg		83	42 - 140
Sulfotepp - RA	133	91.4		ug/Kg		69	52 - 126
Thionazin - RA	133	90.8		ug/Kg		68	44 - 124
Tokuthion - RA	133	110		ug/Kg		83	45 - 136
Trichloronate - RA	133	99.9		ug/Kg		75	37 - 140
o,o',o''-Triethylphosphorothioate - RA	133	110		ug/Kg		82	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate - RA	*101*		*47 - 161*

Method: 8151A DOD - Herbicides (GC)

Lab Sample ID: MB 680-406485/21-A
Matrix: Solid
Analysis Batch: 407210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406485

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0050	U	0.0083	0.0050	0.0050	mg/Kg		10/24/15 00:13	1
Dalapon	0.0080	U	0.10	0.0080	0.0029	mg/Kg		10/24/15 00:13	1
2,4-DB	0.0050	U	0.0083	0.0050	0.0030	mg/Kg		10/24/15 00:13	1
Dicamba	0.0050	U	0.0083	0.0050	0.0019	mg/Kg		10/24/15 00:13	1
Dichlorprop	0.0020	U	0.0083	0.0020	0.0011	mg/Kg		10/24/15 00:13	1
Dinoseb	0.0050	U	0.050	0.0050	0.0046	mg/Kg		10/24/15 00:13	1
MCPA	0.48	U	2.0	0.48	0.19	mg/Kg		10/24/15 00:13	1
MCPP	0.48	U	2.0	0.48	0.17	mg/Kg		10/24/15 00:13	1
Pentachlorophenol	0.0010	U	0.0083	0.0010	0.00042	mg/Kg		10/24/15 00:13	1
Silvex (2,4,5-TP)	0.0050	U	0.0083	0.0050	0.0016	mg/Kg		10/24/15 00:13	1
2,4,5-T	0.0050	U	0.0083	0.0050	0.0023	mg/Kg		10/24/15 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*62*		*27 - 122*	*10/21/15 09:26*	*10/24/15 00:13*	*1*

Lab Sample ID: LCS 680-406485/22-A
Matrix: Solid
Analysis Batch: 407210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0665	0.0459	M	mg/Kg		69	28 - 144
Dalapon	0.0665	0.0381	J	mg/Kg		57	19 - 130
2,4-DB	0.0665	0.0195	Q M	mg/Kg		29	34 - 142
Dicamba	0.0333	0.0245	M	mg/Kg		74	38 - 132
Dichlorprop	0.0665	0.0416	M	mg/Kg		62	28 - 155
Dinoseb	0.0665	0.0421	J M	mg/Kg		63	20 - 130
MCPA	6.65	4.24	M	mg/Kg		64	28 - 135

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: LCS 680-406485/22-A
Matrix: Solid
Analysis Batch: 407210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406485

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
MCPP			6.65	4.00	M	mg/Kg		60	35 - 143		
Pentachlorophenol			0.0166	0.0117	M	mg/Kg		71	54 - 130		
Silvex (2,4,5-TP)			0.0166	0.0103	M	mg/Kg		62	43 - 129		
2,4,5 T			0 0166	0 0105	M	mg/Kg		63	31 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*69*	*M*	*27 - 122*

Lab Sample ID: 680-117942-17 MS
Matrix: Solid
Analysis Batch: 407210

Client Sample ID: AOPSD701
Prep Type: Total/NA
Prep Batch: 406485

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D	0.027	U	0.0730	0.0316	J D M	mg/Kg	☼	43	28 - 144		
Dalapon	0.044	U J Q	0.0730	0.0211	J D	mg/Kg	☼	29	19 - 130		
2,4-DB	0.027	U Q	0.0730	0.0262	J D M	mg/Kg	☼	36	34 - 142		
Dicamba	0.027	U	0.0365	0.0156	J D M	mg/Kg	☼	43	38 - 132		
Dichlorprop	0.011	U	0.0730	0.0375	J D M	mg/Kg	☼	51	28 - 155		
Dinoseb	0.027	U	0.0730	0.0609	J D M	mg/Kg	☼	83	20 - 130		
MCPA	2.6	U	7.30	5.49	J D M	mg/Kg	☼	75	28 - 135		
MCPP	2.6	U	7.30	5.03	J D M	mg/Kg	☼	69	35 - 143		
Pentachlorophenol	0.0055	U J	0.0183	0.00948	J D M	mg/Kg	☼	52	54 - 130		
Silvex (2,4,5-TP)	0.027	U J	0.0183	0.027	U J M	mg/Kg	☼	0	43 - 129		
2,4,5-T	0.027	U J	0.0183	0.027	U J M	mg/Kg	☼	0	31 - 138		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*68*	*M*	*27 - 122*

Lab Sample ID: 680-117942-17 MSD
Matrix: Solid
Analysis Batch: 407210

Client Sample ID: AOPSD701
Prep Type: Total/NA
Prep Batch: 406485

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.027	U	0.0729	0.0384	J D M	mg/Kg	☼	53	28 - 144	19	30
Dalapon	0.044	U J Q	0.0729	0.0356	D J	mg/Kg	☼	49	19 - 130	51	30
2,4-DB	0.027	U Q	0.0729	0.0294	J D M	mg/Kg	☼	40	34 - 142	12	30
Dicamba	0.027	U	0.0365	0.0191	J D M	mg/Kg	☼	52	38 - 132	20	30
Dichlorprop	0.011	U	0.0729	0.0438	J D M	mg/Kg	☼	60	28 - 155	15	30
Dinoseb	0.027	U	0.0729	0.0649	J D M	mg/Kg	☼	89	20 - 130	6	30
MCPA	2.6	U	7.29	6.28	J D M	mg/Kg	☼	86	28 - 135	13	30
MCPP	2.6	U	7.29	5.56	J D M	mg/Kg	☼	76	35 - 143	10	30
Pentachlorophenol	0.0055	U J	0.0182	0.0103	J D M	mg/Kg	☼	57	54 - 130	8	30
Silvex (2,4,5-TP)	0.027	U J	0.0182	0.00944	D M J	mg/Kg	☼	52	43 - 129	200	30
2,4,5-T	0.027	U J	0.0182	0.027	U M J	mg/Kg	☼	0	31 - 138	NC	30

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: 680-117942-17 MSD
Matrix: Solid
Analysis Batch: 407210

Client Sample ID: AOPSD701
Prep Type: Total/NA
Prep Batch: 406485

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	74	M	27 - 122

GC VOA

Analysis Batch: 407239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	8015C GRO	407241
680-117942-2	AOPSF201	Total/NA	Solid	8015C GRO	407241
680-117942-3	AOPSD301	Total/NA	Solid	8015C GRO	407241
680-117942-4	AOPSE301	Total/NA	Solid	8015C GRO	407241
680-117942-5	AOPSE501	Total/NA	Solid	8015C GRO	407241
680-117942-6	AOPCF101	Total/NA	Solid	8015C GRO	407241
680-117942-7	AOPSC401	Total/NA	Solid	8015C GRO	407241
680-117942-8	AOPSF101	Total/NA	Solid	8015C GRO	407241
680-117942-9	AOPSD501	Total/NA	Solid	8015C GRO	407241
680-117942-10	AOPSD401	Total/NA	Solid	8015C GRO	407241
680-117942-11	AOPSC701	Total/NA	Solid	8015C GRO	407252
680-117942-12	AOPSC801	Total/NA	Solid	8015C GRO	407252
680-117942-13	AOPSG701	Total/NA	Solid	8015C GRO	407252
680-117942-14	AOPSG1001	Total/NA	Solid	8015C GRO	407252
680-117942-15	AOPSG901	Total/NA	Solid	8015C GRO	407252
680-117942-16	AOPSD801	Total/NA	Solid	8015C GRO	407252
680-117942-17	AOPSD701	Total/NA	Solid	8015C GRO	407252
680-117942-18	AOPSD1001	Total/NA	Solid	8015C GRO	407252
680-117942-19	AOPSG601	Total/NA	Solid	8015C GRO	407252
LCS 680-407239/20	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCS 680-407239/4	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407239/21	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
LCSD 680-407239/5	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407239/22	Method Blank	Total/NA	Solid	8015C GRO	
MB 680-407239/6	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	5030B	
680-117942-2	AOPSF201	Total/NA	Solid	5030B	
680-117942-3	AOPSD301	Total/NA	Solid	5030B	
680-117942-4	AOPSE301	Total/NA	Solid	5030B	
680-117942-5	AOPSE501	Total/NA	Solid	5030B	
680-117942-6	AOPCF101	Total/NA	Solid	5030B	
680-117942-7	AOPSC401	Total/NA	Solid	5030B	
680-117942-8	AOPSF101	Total/NA	Solid	5030B	
680-117942-9	AOPSD501	Total/NA	Solid	5030B	
680-117942-10	AOPSD401	Total/NA	Solid	5030B	

Prep Batch: 407252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-11	AOPSC701	Total/NA	Solid	5030B	
680-117942-12	AOPSC801	Total/NA	Solid	5030B	
680-117942-13	AOPSG701	Total/NA	Solid	5030B	
680-117942-14	AOPSG1001	Total/NA	Solid	5030B	
680-117942-15	AOPSG901	Total/NA	Solid	5030B	
680-117942-16	AOPSD801	Total/NA	Solid	5030B	
680-117942-17	AOPSD701	Total/NA	Solid	5030B	
680-117942-18	AOPSD1001	Total/NA	Solid	5030B	
680-117942-19	AOPSG601	Total/NA	Solid	5030B	

GC VOA (Continued)

Analysis Batch: 407291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-20	AOPSF1001	Total/NA	Solid	8015C GRO	407320
LCS 680-407291/6	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407291/7	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407291/8	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-20	AOPSF1001	Total/NA	Solid	5030B	

Analysis Batch: 407669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-2 - RA	AOPSF201	Total/NA	Solid	8015C GRO	407700
680-117942-3 - RA	AOPSD301	Total/NA	Solid	8015C GRO	407700
680-117942-4 - RA	AOPSE301	Total/NA	Solid	8015C GRO	407700
680-117942-5 - RA	AOPSE501	Total/NA	Solid	8015C GRO	407700
680-117942-6 - RA	AOPCF101	Total/NA	Solid	8015C GRO	407700
680-117942-7 - RA	AOPSC401	Total/NA	Solid	8015C GRO	407700
680-117942-8 - RA	AOPSF101	Total/NA	Solid	8015C GRO	407700
680-117942-10 - RA	AOPSD401	Total/NA	Solid	8015C GRO	407700
LCS 680-407669/4	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407669/5	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407669/6	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-2 - RA	AOPSF201	Total/NA	Solid	5030B	
680-117942-3 - RA	AOPSD301	Total/NA	Solid	5030B	
680-117942-4 - RA	AOPSE301	Total/NA	Solid	5030B	
680-117942-5 - RA	AOPSE501	Total/NA	Solid	5030B	
680-117942-6 - RA	AOPCF101	Total/NA	Solid	5030B	
680-117942-7 - RA	AOPSC401	Total/NA	Solid	5030B	
680-117942-8 - RA	AOPSF101	Total/NA	Solid	5030B	
680-117942-10 - RA	AOPSD401	Total/NA	Solid	5030B	

Analysis Batch: 407888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-18 - RA	AOPSD1001	Total/NA	Solid	8015C GRO	407963
LCS 680-407888/4	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407888/5	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407888/6	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-18 - RA	AOPSD1001	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 300892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-20	AOPSF1001	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 300892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-20 - DL	AOPSF1001	Total/NA	Solid	3540C	
LCS 280-300892/2-A - RA	Lab Control Sample	Total/NA	Solid	3540C	
LCS 280-300892/2-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 280-300892/1-A - RA	Method Blank	Total/NA	Solid	3540C	
MB 280-300892/1-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 300944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	3540C	
680-117942-1 - DL	AOPSE201	Total/NA	Solid	3540C	
680-117942-2	AOPSF201	Total/NA	Solid	3540C	
680-117942-2 - DL	AOPSF201	Total/NA	Solid	3540C	
680-117942-3	AOPSD301	Total/NA	Solid	3540C	
680-117942-3 - DL	AOPSD301	Total/NA	Solid	3540C	
680-117942-4	AOPSE301	Total/NA	Solid	3540C	
680-117942-4 - DL	AOPSE301	Total/NA	Solid	3540C	
680-117942-5 - DL	AOPSE501	Total/NA	Solid	3540C	
680-117942-5	AOPSE501	Total/NA	Solid	3540C	
680-117942-6 - DL	AOPCF101	Total/NA	Solid	3540C	
680-117942-6	AOPCF101	Total/NA	Solid	3540C	
680-117942-7	AOPSC401	Total/NA	Solid	3540C	
680-117942-7 - DL	AOPSC401	Total/NA	Solid	3540C	
680-117942-8 - DL	AOPSF101	Total/NA	Solid	3540C	
680-117942-8	AOPSF101	Total/NA	Solid	3540C	
680-117942-9 - DL	AOPSD501	Total/NA	Solid	3540C	
680-117942-9	AOPSD501	Total/NA	Solid	3540C	
680-117942-10	AOPSD401	Total/NA	Solid	3540C	
680-117942-10 - DL	AOPSD401	Total/NA	Solid	3540C	
680-117942-11 - DL	AOPSC701	Total/NA	Solid	3540C	
680-117942-11	AOPSC701	Total/NA	Solid	3540C	
680-117942-12 - DL	AOPSC801	Total/NA	Solid	3540C	
680-117942-12	AOPSC801	Total/NA	Solid	3540C	
680-117942-13	AOPSG701	Total/NA	Solid	3540C	
680-117942-13 - DL	AOPSG701	Total/NA	Solid	3540C	
680-117942-14	AOPSG1001	Total/NA	Solid	3540C	
680-117942-14 - DL	AOPSG1001	Total/NA	Solid	3540C	
680-117942-15	AOPSG901	Total/NA	Solid	3540C	
680-117942-15 - DL	AOPSG901	Total/NA	Solid	3540C	
680-117942-16	AOPSD801	Total/NA	Solid	3540C	
680-117942-16 - DL	AOPSD801	Total/NA	Solid	3540C	
680-117942-17 - DL	AOPSD701	Total/NA	Solid	3540C	
680-117942-17	AOPSD701	Total/NA	Solid	3540C	
680-117942-17 MS	AOPSD701	Total/NA	Solid	3540C	
680-117942-17 MSD	AOPSD701	Total/NA	Solid	3540C	
680-117942-18	AOPSD1001	Total/NA	Solid	3540C	
680-117942-18 - DL	AOPSD1001	Total/NA	Solid	3540C	
680-117942-19	AOPSG601	Total/NA	Solid	3540C	
680-117942-19 - DL	AOPSG601	Total/NA	Solid	3540C	
LCS 280-300944/2-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 280-300944/1-A	Method Blank	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Analysis Batch: 301302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1 - DL	AOPSE201	Total/NA	Solid	8141A	300944
680-117942-1	AOPSE201	Total/NA	Solid	8141A	300944
680-117942-2 - DL	AOPSF201	Total/NA	Solid	8141A	300944
680-117942-2	AOPSF201	Total/NA	Solid	8141A	300944
680-117942-3 - DL	AOPSD301	Total/NA	Solid	8141A	300944
680-117942-3	AOPSD301	Total/NA	Solid	8141A	300944
680-117942-4 - DL	AOPSE301	Total/NA	Solid	8141A	300944
680-117942-4	AOPSE301	Total/NA	Solid	8141A	300944
680-117942-5 - DL	AOPSE501	Total/NA	Solid	8141A	300944
680-117942-5	AOPSE501	Total/NA	Solid	8141A	300944
680-117942-6 - DL	AOPCF101	Total/NA	Solid	8141A	300944
680-117942-6	AOPCF101	Total/NA	Solid	8141A	300944
680-117942-7 - DL	AOPSC401	Total/NA	Solid	8141A	300944
680-117942-7	AOPSC401	Total/NA	Solid	8141A	300944
680-117942-8 - DL	AOPSF101	Total/NA	Solid	8141A	300944
680-117942-8	AOPSF101	Total/NA	Solid	8141A	300944
680-117942-9 - DL	AOPSD501	Total/NA	Solid	8141A	300944
680-117942-9	AOPSD501	Total/NA	Solid	8141A	300944
680-117942-10 - DL	AOPSD401	Total/NA	Solid	8141A	300944
680-117942-10	AOPSD401	Total/NA	Solid	8141A	300944
680-117942-11 - DL	AOPSC701	Total/NA	Solid	8141A	300944
680-117942-12 - DL	AOPSC801	Total/NA	Solid	8141A	300944
680-117942-13 - DL	AOPSG701	Total/NA	Solid	8141A	300944
680-117942-14 - DL	AOPSG1001	Total/NA	Solid	8141A	300944
680-117942-15 - DL	AOPSG901	Total/NA	Solid	8141A	300944
680-117942-16 - DL	AOPSD801	Total/NA	Solid	8141A	300944
680-117942-17 - DL	AOPSD701	Total/NA	Solid	8141A	300944
680-117942-18 - DL	AOPSD1001	Total/NA	Solid	8141A	300944
680-117942-19 - DL	AOPSG601	Total/NA	Solid	8141A	300944
LCS 280-300944/2-A	Lab Control Sample	Total/NA	Solid	8141A	300944
MB 280-300944/1-A	Method Blank	Total/NA	Solid	8141A	300944

Analysis Batch: 301497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-11	AOPSC701	Total/NA	Solid	8141A	300944
680-117942-12	AOPSC801	Total/NA	Solid	8141A	300944
680-117942-13	AOPSG701	Total/NA	Solid	8141A	300944
680-117942-14	AOPSG1001	Total/NA	Solid	8141A	300944
680-117942-15	AOPSG901	Total/NA	Solid	8141A	300944
680-117942-16	AOPSD801	Total/NA	Solid	8141A	300944
680-117942-17	AOPSD701	Total/NA	Solid	8141A	300944
680-117942-17 MS	AOPSD701	Total/NA	Solid	8141A	300944
680-117942-17 MSD	AOPSD701	Total/NA	Solid	8141A	300944
680-117942-18	AOPSD1001	Total/NA	Solid	8141A	300944
680-117942-19	AOPSG601	Total/NA	Solid	8141A	300944

Analysis Batch: 301748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-20 - DL	AOPSF1001	Total/NA	Solid	8141A	300892
LCS 280-300892/2-A	Lab Control Sample	Total/NA	Solid	8141A	300892
MB 280-300892/1-A	Method Blank	Total/NA	Solid	8141A	300892

QC Association Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Analysis Batch: 302677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-20	AOPSF1001	Total/NA	Solid	8141A	300892
LCS 280-300892/2-A - RA	Lab Control Sample	Total/NA	Solid	8141A	300892
MB 280-300892/1-A - RA	Method Blank	Total/NA	Solid	8141A	300892

Prep Batch: 406485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	8151A	
680-117942-2	AOPSF201	Total/NA	Solid	8151A	
680-117942-3	AOPSD301	Total/NA	Solid	8151A	
680-117942-4	AOPSE301	Total/NA	Solid	8151A	
680-117942-5	AOPSE501	Total/NA	Solid	8151A	
680-117942-6	AOPCF101	Total/NA	Solid	8151A	
680-117942-7	AOPSC401	Total/NA	Solid	8151A	
680-117942-8	AOPSF101	Total/NA	Solid	8151A	
680-117942-9	AOPSD501	Total/NA	Solid	8151A	
680-117942-10	AOPSD401	Total/NA	Solid	8151A	
680-117942-11	AOPSC701	Total/NA	Solid	8151A	
680-117942-12	AOPSC801	Total/NA	Solid	8151A	
680-117942-13	AOPSG701	Total/NA	Solid	8151A	
680-117942-14	AOPSG1001	Total/NA	Solid	8151A	
680-117942-15	AOPSG901	Total/NA	Solid	8151A	
680-117942-16	AOPSD801	Total/NA	Solid	8151A	
680-117942-17	AOPSD701	Total/NA	Solid	8151A	
680-117942-17 MS	AOPSD701	Total/NA	Solid	8151A	
680-117942-17 MSD	AOPSD701	Total/NA	Solid	8151A	
680-117942-18	AOPSD1001	Total/NA	Solid	8151A	
680-117942-19	AOPSG601	Total/NA	Solid	8151A	
680-117942-20	AOPSF1001	Total/NA	Solid	8151A	
LCS 680-406485/22-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 680-406485/21-A	Method Blank	Total/NA	Solid	8151A	

Prep Batch: 406518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	3546	
680-117942-2	AOPSF201	Total/NA	Solid	3546	
680-117942-3	AOPSD301	Total/NA	Solid	3546	
680-117942-4	AOPSE301	Total/NA	Solid	3546	
680-117942-5	AOPSE501	Total/NA	Solid	3546	
680-117942-6	AOPCF101	Total/NA	Solid	3546	
680-117942-7	AOPSC401	Total/NA	Solid	3546	
680-117942-8	AOPSF101	Total/NA	Solid	3546	
680-117942-8 MS	AOPSF101	Total/NA	Solid	3546	
680-117942-8 MSD	AOPSF101	Total/NA	Solid	3546	
680-117942-9	AOPSD501	Total/NA	Solid	3546	
680-117942-10	AOPSD401	Total/NA	Solid	3546	
680-117942-11	AOPSC701	Total/NA	Solid	3546	
680-117942-12	AOPSC801	Total/NA	Solid	3546	
680-117942-13	AOPSG701	Total/NA	Solid	3546	
680-117942-14	AOPSG1001	Total/NA	Solid	3546	
680-117942-15	AOPSG901	Total/NA	Solid	3546	
680-117942-16	AOPSD801	Total/NA	Solid	3546	
680-117942-17	AOPSD701	Total/NA	Solid	3546	
680-117942-18	AOPSD1001	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 406518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-19	AOPSG601	Total/NA	Solid	3546	
680-117942-20	AOPSF1001	Total/NA	Solid	3546	
LCS 680-406518/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406518/25-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406518/28-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 680-406518/29-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 680-406518/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 406543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	3546	
680-117942-2	AOPSF201	Total/NA	Solid	3546	
680-117942-2 MS	AOPSF201	Total/NA	Solid	3546	
680-117942-2 MSD	AOPSF201	Total/NA	Solid	3546	
680-117942-3	AOPSD301	Total/NA	Solid	3546	
680-117942-4	AOPSE301	Total/NA	Solid	3546	
680-117942-5	AOPSE501	Total/NA	Solid	3546	
680-117942-6	AOPCF101	Total/NA	Solid	3546	
680-117942-7	AOPSC401	Total/NA	Solid	3546	
680-117942-8	AOPSF101	Total/NA	Solid	3546	
680-117942-9	AOPSD501	Total/NA	Solid	3546	
680-117942-10	AOPSD401	Total/NA	Solid	3546	
680-117942-11	AOPSC701	Total/NA	Solid	3546	
680-117942-12	AOPSC801	Total/NA	Solid	3546	
680-117942-13	AOPSG701	Total/NA	Solid	3546	
680-117942-14	AOPSG1001	Total/NA	Solid	3546	
680-117942-15	AOPSG901	Total/NA	Solid	3546	
680-117942-16	AOPSD801	Total/NA	Solid	3546	
680-117942-17	AOPSD701	Total/NA	Solid	3546	
680-117942-18	AOPSD1001	Total/NA	Solid	3546	
680-117942-19	AOPSG601	Total/NA	Solid	3546	
680-117942-20	AOPSF1001	Total/NA	Solid	3546	
LCS 680-406543/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406543/25-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406543/21-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 407184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	8081B 8082A	406518
680-117942-2	AOPSF201	Total/NA	Solid	8081B 8082A	406518
680-117942-3	AOPSD301	Total/NA	Solid	8081B 8082A	406518
680-117942-4	AOPSE301	Total/NA	Solid	8081B 8082A	406518
680-117942-5	AOPSE501	Total/NA	Solid	8081B 8082A	406518
680-117942-6	AOPCF101	Total/NA	Solid	8081B 8082A	406518
680-117942-7	AOPSC401	Total/NA	Solid	8081B 8082A	406518
680-117942-8	AOPSF101	Total/NA	Solid	8081B 8082A	406518
680-117942-8 MS	AOPSF101	Total/NA	Solid	8081B 8082A	406518
680-117942-8 MSD	AOPSF101	Total/NA	Solid	8081B 8082A	406518
680-117942-9	AOPSD501	Total/NA	Solid	8081B 8082A	406518
680-117942-10	AOPSD401	Total/NA	Solid	8081B 8082A	406518
LCS 680-406518/22-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406518

GC Semi VOA (Continued)

Analysis Batch: 407184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-406518/25-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406518
LCS 680-406518/28-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406518
LCSD 680-406518/29-A	Lab Control Sample Dup	Total/NA	Solid	8081B 8082A	406518
MB 680-406518/21-A	Method Blank	Total/NA	Solid	8081B 8082A	406518

Analysis Batch: 407210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	8151A DOD	406485
680-117942-2	AOPSF201	Total/NA	Solid	8151A DOD	406485
680-117942-3	AOPSD301	Total/NA	Solid	8151A DOD	406485
680-117942-4	AOPSE301	Total/NA	Solid	8151A DOD	406485
680-117942-5	AOPSE501	Total/NA	Solid	8151A DOD	406485
680-117942-6	AOPCF101	Total/NA	Solid	8151A DOD	406485
680-117942-7	AOPSC401	Total/NA	Solid	8151A DOD	406485
680-117942-8	AOPSF101	Total/NA	Solid	8151A DOD	406485
680-117942-9	AOPSD501	Total/NA	Solid	8151A DOD	406485
680-117942-10	AOPSD401	Total/NA	Solid	8151A DOD	406485
680-117942-11	AOPSC701	Total/NA	Solid	8151A DOD	406485
680-117942-12	AOPSC801	Total/NA	Solid	8151A DOD	406485
680-117942-13	AOPSG701	Total/NA	Solid	8151A DOD	406485
680-117942-14	AOPSG1001	Total/NA	Solid	8151A DOD	406485
680-117942-15	AOPSG901	Total/NA	Solid	8151A DOD	406485
680-117942-16	AOPSD801	Total/NA	Solid	8151A DOD	406485
680-117942-17	AOPSD701	Total/NA	Solid	8151A DOD	406485
680-117942-17 MS	AOPSD701	Total/NA	Solid	8151A DOD	406485
680-117942-17 MSD	AOPSD701	Total/NA	Solid	8151A DOD	406485
680-117942-18	AOPSD1001	Total/NA	Solid	8151A DOD	406485
680-117942-19	AOPSG601	Total/NA	Solid	8151A DOD	406485
680-117942-20	AOPSF1001	Total/NA	Solid	8151A DOD	406485
LCS 680-406485/22-A	Lab Control Sample	Total/NA	Solid	8151A DOD	406485
MB 680-406485/21-A	Method Blank	Total/NA	Solid	8151A DOD	406485

Analysis Batch: 407226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-11	AOPSC701	Total/NA	Solid	8081B 8082A	406518
680-117942-12	AOPSC801	Total/NA	Solid	8081B 8082A	406518
680-117942-13	AOPSG701	Total/NA	Solid	8081B 8082A	406518
680-117942-14	AOPSG1001	Total/NA	Solid	8081B 8082A	406518
680-117942-15	AOPSG901	Total/NA	Solid	8081B 8082A	406518
680-117942-16	AOPSD801	Total/NA	Solid	8081B 8082A	406518
680-117942-17	AOPSD701	Total/NA	Solid	8081B 8082A	406518
680-117942-18	AOPSD1001	Total/NA	Solid	8081B 8082A	406518
680-117942-19	AOPSG601	Total/NA	Solid	8081B 8082A	406518
680-117942-20	AOPSF1001	Total/NA	Solid	8081B 8082A	406518

Analysis Batch: 407603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-9	AOPSD501	Total/NA	Solid	8015C DRO	406543
680-117942-10	AOPSD401	Total/NA	Solid	8015C DRO	406543
680-117942-11	AOPSC701	Total/NA	Solid	8015C DRO	406543
680-117942-12	AOPSC801	Total/NA	Solid	8015C DRO	406543

GC Semi VOA (Continued)

Analysis Batch: 407603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-13	AOPSG701	Total/NA	Solid	8015C DRO	406543
680-117942-14	AOPSG1001	Total/NA	Solid	8015C DRO	406543
680-117942-15	AOPSG901	Total/NA	Solid	8015C DRO	406543
680-117942-16	AOPSD801	Total/NA	Solid	8015C DRO	406543
680-117942-17	AOPSD701	Total/NA	Solid	8015C DRO	406543
680-117942-18	AOPSD1001	Total/NA	Solid	8015C DRO	406543

Analysis Batch: 407604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-19	AOPSG601	Total/NA	Solid	8015C DRO	406543
680-117942-20	AOPSF1001	Total/NA	Solid	8015C DRO	406543

Analysis Batch: 408392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-1	AOPSE201	Total/NA	Solid	8015C DRO	406543
680-117942-2	AOPSF201	Total/NA	Solid	8015C DRO	406543
680-117942-2 MS	AOPSF201	Total/NA	Solid	8015C DRO	406543
680-117942-2 MSD	AOPSF201	Total/NA	Solid	8015C DRO	406543
680-117942-3	AOPSD301	Total/NA	Solid	8015C DRO	406543
680-117942-4	AOPSE301	Total/NA	Solid	8015C DRO	406543
680-117942-5	AOPSE501	Total/NA	Solid	8015C DRO	406543
680-117942-6	AOPCF101	Total/NA	Solid	8015C DRO	406543
680-117942-7	AOPSC401	Total/NA	Solid	8015C DRO	406543
680-117942-8	AOPSF101	Total/NA	Solid	8015C DRO	406543
LCS 680-406543/22-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406543
LCS 680-406543/25-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406543
MB 680-406543/21-A	Method Blank	Total/NA	Solid	8015C DRO	406543

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSE201

Date Collected: 10/10/15 18:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-1

Matrix: Solid
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.28 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.28 g	5 mL	407239	10/24/15 06:04	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.06 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.06 g	5 mL	408392	10/31/15 17:56	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.15 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.15 g	10 mL	407184	10/23/15 16:38	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		16.2 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	16.2 g	2 mL	301302	10/27/15 18:36	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			16.2 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	16.2 g	2 mL	301302	10/28/15 03:42	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.22 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.22 g	10 mL	407210	10/24/15 05:59	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.45 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.45 g	5 mL	407239	10/24/15 06:28	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.06 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.06 g	5 mL	407669	10/27/15 17:55	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.08 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.08 g	5 mL	408392	10/31/15 18:10	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.08 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	15.08 g	10 mL	407184	10/23/15 16:53	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		30.7 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.7 g	2 mL	301302	10/27/15 19:00	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.7 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.7 g	2 mL	301302	10/28/15 04:06	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.17 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSF201

Date Collected: 10/10/15 17:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-2

Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8151A DOD		10	30.17 g	10 mL	407210	10/24/15 06:17	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSD301

Date Collected: 10/10/15 18:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-3

Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.20 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.20 g	5 mL	407239	10/24/15 06:51	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.02 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.02 g	5 mL	407669	10/27/15 18:18	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.01 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.01 g	5 mL	408392	10/31/15 19:24	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			14.96 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	14.96 g	10 mL	407184	10/23/15 17:09	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		30.8 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.8 g	2 mL	301302	10/27/15 19:25	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.8 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.8 g	2 mL	301302	10/28/15 04:31	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.12 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.12 g	10 mL	407210	10/24/15 06:36	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSE301

Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4

Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.28 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.28 g	5 mL	407239	10/24/15 07:15	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.11 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.11 g	5 mL	407669	10/27/15 18:42	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.04 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.04 g	5 mL	408392	10/31/15 19:39	JCK	TAL SAV
	Instrument ID: CSGAB1									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSE301

Date Collected: 10/10/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-4

Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.26 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.26 g	10 mL	407184	10/23/15 17:24	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		32.9 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.9 g	2 mL	301302	10/27/15 19:50	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			32.9 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	32.9 g	2 mL	301302	10/28/15 04:56	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.12 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.12 g	10 mL	407210	10/24/15 00:50	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSE501

Date Collected: 10/10/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-5

Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.27 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.27 g	5 mL	407239	10/24/15 07:38	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.03 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.03 g	5 mL	407669	10/27/15 19:05	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.01 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.01 g	5 mL	408392	10/31/15 19:54	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.09 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	15.09 g	10 mL	407184	10/23/15 17:40	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		30.7 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.7 g	2 mL	301302	10/27/15 20:15	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.7 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.7 g	2 mL	301302	10/28/15 05:21	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.08 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.08 g	10 mL	407210	10/24/15 01:08	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPCF101

Lab Sample ID: 680-117942-6

Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 50.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.41 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.41 g	5 mL	407239	10/24/15 08:02	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.43 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.43 g	5 mL	407669	10/27/15 19:29	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.05 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.05 g	5 mL	408392	10/31/15 20:08	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			14.92 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	14.92 g	10 mL	407184	10/23/15 17:55	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		30.4 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.4 g	2 mL	301302	10/27/15 20:40	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.4 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.4 g	2 mL	301302	10/28/15 05:46	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.15 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.15 g	10 mL	407210	10/24/15 01:26	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSC401

Lab Sample ID: 680-117942-7

Date Collected: 10/10/15 15:30
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.14 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.14 g	5 mL	407239	10/24/15 08:25	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.01 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.01 g	5 mL	407669	10/27/15 19:53	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.16 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.16 g	5 mL	408392	10/31/15 20:23	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.03 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.03 g	10 mL	407184	10/23/15 18:10	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		31.6 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.6 g	2 mL	301302	10/27/15 21:04	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			31.6 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	31.6 g	2 mL	301302	10/28/15 06:10	AMP	TAL DEN
	Instrument ID: SGC_D2									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			30.08 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.08 g	10 mL	407210	10/24/15 05:04	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSF101

Lab Sample ID: 680-117942-8
Date Collected: 10/10/15 17:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 56.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.36 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.36 g	5 mL	407239	10/24/15 08:48	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.28 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.28 g	5 mL	407669	10/27/15 20:16	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.04 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.04 g	5 mL	408392	10/31/15 20:38	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			14.98 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	14.98 g	10 mL	407184	10/23/15 18:26	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		31.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.0 g	2 mL	301302	10/27/15 21:29	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			31.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	31.0 g	2 mL	301302	10/28/15 06:35	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.11 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.11 g	10 mL	407210	10/24/15 05:23	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSD501

Lab Sample ID: 680-117942-9
Date Collected: 10/10/15 16:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 64.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.33 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.33 g	5 mL	407239	10/24/15 09:12	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.04 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.04 g	5 mL	407603	10/27/15 18:08	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			14.97 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	14.97 g	10 mL	407184	10/23/15 18:41	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		32.9 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.9 g	2 mL	301302	10/27/15 21:54	AMP	TAL DEN
	Instrument ID: SGC_D2									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSD501

Lab Sample ID: 680-117942-9
Date Collected: 10/10/15 16:00
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 64.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			32.9 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	32.9 g	2 mL	301302	10/28/15 07:00	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.13 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.13 g	10 mL	407210	10/24/15 01:44	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSD401

Lab Sample ID: 680-117942-10
Date Collected: 10/10/15 15:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.22 g	5 mL	407241	10/24/15 03:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	5.22 g	5 mL	407239	10/24/15 09:35	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.07 g	5 mL	407700	10/27/15 15:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.07 g	5 mL	407669	10/27/15 20:40	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.45 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.45 g	5 mL	407603	10/27/15 18:23	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.02 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.02 g	10 mL	407184	10/23/15 18:56	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		33.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	33.0 g	2 mL	301302	10/27/15 22:19	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			33.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	33.0 g	2 mL	301302	10/28/15 07:25	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.11 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.11 g	10 mL	407210	10/24/15 02:02	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSC701

Lab Sample ID: 680-117942-11
Date Collected: 10/11/15 11:20
Matrix: Solid
Date Received: 10/18/15 09:50
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.13 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.13 g	5 mL	407239	10/24/15 13:29	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.32 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSC701

Date Collected: 10/11/15 11:20
Date Received: 10/18/15 09:50

Lab Sample ID: 680-117942-11

Matrix: Solid
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015C DRO		10	30.32 g	5 mL	407603	10/27/15 18:37	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			14.99 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	14.99 g	10 mL	407226	10/23/15 21:14	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		31.5 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.5 g	2 mL	301302	10/27/15 23:09	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			31.5 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	31.5 g	2 mL	301497	10/28/15 16:46	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.17 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.17 g	10 mL	407210	10/24/15 02:21	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSC801

Date Collected: 10/11/15 11:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-12

Matrix: Solid
Percent Solids: 43.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.13 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.13 g	5 mL	407239	10/24/15 13:53	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.10 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.10 g	5 mL	407603	10/27/15 18:52	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			14.96 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	14.96 g	10 mL	407226	10/23/15 21:29	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		30.8 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.8 g	2 mL	301302	10/27/15 23:33	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.8 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.8 g	2 mL	301497	10/28/15 17:11	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.07 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.07 g	10 mL	407210	10/24/15 02:39	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSG701

Date Collected: 10/11/15 17:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-13

Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.13 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.13 g	5 mL	407239	10/24/15 14:16	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.02 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.02 g	5 mL	407603	10/27/15 19:07	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.35 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	15.35 g	10 mL	407226	10/23/15 21:44	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		31.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.0 g	2 mL	301302	10/27/15 23:58	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			31.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	31.0 g	2 mL	301497	10/28/15 17:36	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.12 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.12 g	10 mL	407210	10/24/15 02:57	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSG1001

Date Collected: 10/11/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-14

Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.08 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.08 g	5 mL	407239	10/24/15 14:40	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.07 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.07 g	5 mL	407603	10/27/15 19:22	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.18 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.18 g	10 mL	407226	10/23/15 22:00	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		33.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	33.0 g	2 mL	301302	10/28/15 00:23	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			33.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	33.0 g	2 mL	301497	10/28/15 18:01	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.12 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.12 g	10 mL	407210	10/24/15 03:15	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSG901

Date Collected: 10/11/15 17:10
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-15

Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.06 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.06 g	5 mL	407239	10/24/15 15:04	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.21 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.21 g	5 mL	407603	10/27/15 19:36	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.31 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.31 g	10 mL	407226	10/23/15 22:15	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		32.6 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.6 g	2 mL	301302	10/28/15 00:48	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			32.6 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	32.6 g	2 mL	301497	10/28/15 18:25	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.01 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.01 g	10 mL	407210	10/24/15 07:30	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSD801

Date Collected: 10/11/15 15:40
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-16

Matrix: Solid
Percent Solids: 52.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.49 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.49 g	5 mL	407239	10/24/15 15:28	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.07 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.07 g	5 mL	407603	10/27/15 19:51	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.13 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.13 g	10 mL	407226	10/23/15 22:30	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		30.6 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.6 g	2 mL	301302	10/28/15 01:13	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.6 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.6 g	2 mL	301497	10/28/15 18:50	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.02 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.02 g	10 mL	407210	10/24/15 07:49	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSD701

Date Collected: 10/11/15 16:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-17

Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.17 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.17 g	5 mL	407239	10/24/15 15:52	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.21 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.21 g	5 mL	407603	10/27/15 20:06	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.06 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.06 g	10 mL	407226	10/23/15 22:46	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		32.9 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.9 g	2 mL	301302	10/28/15 01:38	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			32.9 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	32.9 g	2 mL	301497	10/28/15 19:15	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.16 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.16 g	10 mL	407210	10/24/15 03:33	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSD1001

Date Collected: 10/11/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-18

Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.07 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.07 g	5 mL	407239	10/24/15 16:15	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.13 g	5 mL	407963	10/29/15 00:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.13 g	5 mL	407888	10/29/15 03:13	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.17 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.17 g	5 mL	407603	10/27/15 20:21	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.08 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	15.08 g	10 mL	407226	10/23/15 23:01	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		30.2 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.2 g	2 mL	301302	10/28/15 02:02	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.2 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.2 g	2 mL	301497	10/28/15 19:40	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.02 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.02 g	10 mL	407210	10/24/15 05:41	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Client Sample ID: AOPSG601

Date Collected: 10/11/15 17:50
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-19

Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.01 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.01 g	5 mL	407239	10/24/15 16:39	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.07 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.07 g	5 mL	407604	10/27/15 22:04	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.52 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	15.52 g	10 mL	407226	10/23/15 23:17	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C	DL		31.1 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.1 g	2 mL	301302	10/28/15 02:27	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			31.1 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	31.1 g	2 mL	301497	10/28/15 20:05	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.02 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.02 g	10 mL	407210	10/24/15 06:54	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSF1001

Date Collected: 10/11/15 16:30
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-20

Matrix: Solid
Percent Solids: 46.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.04 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.04 g	5 mL	407291	10/25/15 16:40	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			30.11 g	5 mL	406543	10/20/15 17:35	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	30.11 g	5 mL	407604	10/27/15 22:19	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			15.14 g	10 mL	406518	10/20/15 14:35	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	15.14 g	10 mL	407226	10/23/15 23:32	JCK	TAL SAV
	Instrument ID: CSGZ									
Total/NA	Prep	3540C			31.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	31.5 g	2 mL	302677	11/05/15 18:05	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		31.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.5 g	2 mL	301748	10/29/15 19:10	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.09 g	10 mL	406485	10/21/15 09:26	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.09 g	10 mL	407210	10/24/15 07:12	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 1 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase SI

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST 8141	METALS, TCL	GRO	PESTS/PCBS	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSE201	E2	10-10-15	1800	SO	N	N	4	1	1	1			1						
	AOPSF201	F2	10-10-15	1730	SO	N	N	4	1	1	1			1						
	AOPSD301	D3	10-10-15	1815	SO	N	N	4	1	1	1			1						
	AOPSE301	E3	10-10-15	1715	SO	N	N	4	1	1	1			1						
	AOPSE501	E5	10-10-15	1630	SO	N	N	4	1	1	1			1						
	AOPCF101	F1	10-10-15	1745	SO	FD	N	4	1	1	1			1						
	AOPSC401	C4	10-10-15	1530	SO	N	N	4	1	1	1			1						
	AOPSF101	F1	10-10-15	1745	SO	N	N	4	1	1	1			1						
	AOPSD501	D5	10-10-15	1600	SO	N	N	4	1	1	1			1						
	AOPSD401	D4	10-10-15	1500	SO	N	N	4	1	1	1			1						
	AOPSC701	C7	10-11-15	1120	SO	~~FD~~ N	N	4	1	1	1			1						
	AOPSC801	C8	10-11-15	1140	SO	N	N	4	1	1	1			1						

680-117942 Chain of Custody

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Brantley	10/14/15	2100	1 M. Valdez Ito	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 2 of 6

Project Name: Site Investigation | PO No. | Project No. 085881781G Phase S1

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OPPEST 8141	TAL METALS	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSG701	G7	10.11.15	1740	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG1001	G1	10.11.15	1700	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG901	G9	10.11.15	1710	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD801	D8	10.11.15	1540	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD701	D7	10.11.15	1600	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD1001	D10	10.11.15	1520	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG601	G6	10.11.15	1750	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSF1001	F10	10.11.15	1630	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG801	G8	10.11.15	1720	SO	N	N	4	1	1	1	~	~	1	~					
	AOPCC901	C9	10.11.15	1445	SO	FD	N	4	1	1	1	~	~	1	~					
	AOPSC901	C9	10.11.15	1445	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSE401	E4	10.10.15	1700	SO	N	N	4	1	1	1	~	~	1	~					

***Field* Comments:** 2.6/3.0 3.0/3.4

***Lab* Comments:** 3.6/4.0 3.0/4.4 3.0/2.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Bradley	10/14/15		1 [illegible]	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No ~~✓~~ 4°C ID 10/21/15

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.	Page 3 of 6
PO No.	Project No. 0888817816 Phase S1

Project Name: Site Investigation

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST8141	METALS, TAL	GRO	PCBS/PESTICIDES	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSB701	B7	10-11-15	1100	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSD901	D9	10-11-15	1200	SO	N	N	12	3	3	3	↓	↓	3	↓	↓			X	
	AOPSA601	A6	10-11-15	1045	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSB501	B5	10-11-15	1015	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSM601	M6	10/12/15	1145	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM801	M8	10/12/15	1125	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPCM801	M8	10/12/15	1125	SO	FD	N	4	1	1	1	←	←	1	→	→				
	AOPSM701	M7	10/12/15	1150	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL801	L8	10/12/15	1120	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSJ1001	J10	10/12/15	1020	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM1001	M10	10/12/15	1040	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL901	L9	10/12/15	1100	SO	N	N	4	1	1	1	←	←	1	→	→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ken Brantley	10/14/15	2100	1 M. Wilkinson	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 4 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OP Pest 8141 10/16/15	Metals, TAL	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	Herbicides			Extra Volume for MS/MSD	HOLD
	AOP SK1001	K10	10/12/15	1000	SO	N	N	4	1	1	1	←		1		→				
	AOP CK1001	K10	10/12/15	1000	SO	FD	N	4	1	1	1	←		1		→				
	AOP SK901	K9	10/12/15	1005	SO	N	N	4	1	1	1	←		1		→				
	AOP SM901	M9	10/12/15	1105	SO	N	N	4	1	1	1	←		1		→				
	AOP SL1001	L10	10/12/15	1020	SO	N	N	4	1	1	1	←		1		→				
	AOP SK101	K1	10/12/15	1428	SO	N	N	4	1	1	1	←		1		→				
	AOP SM301	M3	10/12/15	1400	SO	N	N	12	3	3	3	←		3		→			X	
	AOP SM201	M2	10/12/15	1358	SO	N	N	4	1	1	1	←		1		→				
	AOP SL201	L2	10/12/15	1425	SO	N	N	4	1	1	1	←		1		→				
	AOP SN301	N3	10/12/15	1355	SO	N	N	4	1	1	1	←		1		→				
	AOP SM401	M4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				
	AOP SN401	N4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	10/14/15	2100	1 [signature]	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes____ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 5 of 6

Project Name: SITE Investigation | PO No. | Project No: 68888176 Phase SI

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 1DAY PRELIM 14DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OP PEST	METALS, TAL	GRO	PEST/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSM501	M5	10.12.15	1335	SO	N	N	4	1	1	1	←		1	→					
	AOPSE601	E6	10.12.15	1707	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF501	F5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF701	F7	10.12.15	1646	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSH301	H3	10.12.15	1700	SO	N	N	12	3	3	3	←		3	→				X	
	AOPSH401	H4	10.12.5	1715	SO	N	N	4	1	1	1	←		1	→					
	AOPSH501	H5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→					
	AOPCH501	H5	10.12.15	1720	SO	FD	N	4	1	1	1	←		1	→					
	AOPSJ201	J2	10.12.15	1520	SO	N	N	4	1	1	1	←		1	→					
	AOPSK201	K2	10.12.15	1457	SO	N	N	4	1	1	1	←		1	→					
	AOPSK301	K3	10.12.15	1505	SO	N	N	4	1	1	1	←		1	→					

Field **Comments:**
*Sample contains asphalt 2.6/3.0

Lab **Comments:**
3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Sample Shipment and Delivery Details
Number of coolers in shipment:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Brantley	10/14/15	2100	1 michelle hatto	10/16/15	0945
2			2		
3			3		

Samples Iced?(check) Yes____ No____
Method of Shipment:
Airbill No: 680-117942
Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water
(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk
(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 6 of 6

Project Name: SITE Investigation | PO No. | Project No. 080881781.16 Phase SI

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. | RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7-DAY PRELIM 14-DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	(3)→	OP PEST	METALS, TAL	GRO	PESTS/PCBs	SVOC, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSK501	K5	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL301	L3	10-12-15	1500	SO	N	N	4		1	1	1	←		1	→					
	AOPCL301	L3	10-12-15	1500	SO	FD	N	4		1	1	1	←		1	→					
	AOPSL401	L4	10-12-15	1520	SO	N	N	4		1	1	1	←		1	→					
	AOPSL501	L5	10-12-15	1608	SO	N	N	4		1	1	1	←		1	→					
	AOPSL601	L6	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL701	L7	10-12-15	1615	SO	N	N	4		1	1	1	←		1	→					
	FB 101415	—	10/14/15	1335	SQ	FB	N	9		1	Ø	3	1	1	1	1	1				
	EB101415	—	10/14/15	1345	SQ	EB	N	9		1	Ø	3	1	1	1	1	1				

Field **Comments:** 2.6/3.0

Lab **Comments:** 3.0/3.4 3.6/4.0 2.0/3.4 2.8/3.2 3.0/3.4

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	10/14/15	2100	[signature]	10/16/15	09:45
2						
3						

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No: 680-11794

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R.	Carrier Tracking No(s):	COC No: 680-407207.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 680-117942-1
Address: 4955 Yarrow Street,	Due Date Requested: 10/23/2015			Preservation Codes:
City: Arvada	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: GTMO LSR	Project #: 68015292			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8141A_DOD5/3540C Organophosphorous Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
AOPSE301 (680-117942-4)	10/10/15	17:15 Eastern		Solid			X	1	
AOPSC401 (680-117942-7)	10/10/15	15:30 Eastern		Solid			X	1	
AOPSD501 (680-117942-9)	10/10/15	16:00 Eastern		Solid			X	1	
AOPSC801 (680-117942-12)	10/11/15	11:40 Eastern		Solid			X	1	
AOPSB701 (680-117942-25)	10/11/15	11:00 Eastern		Solid			X	1	
AOPSM601 (680-117942-29)	10/12/15	11:45 Eastern		Solid			X	1	
AOPSM801 (680-117942-30)	10/12/15	11:25 Eastern		Solid			X	1	
AOPCM801 (680-117942-31)	10/12/15	11:25 Eastern		Solid			X	1	
AOPSM701 (680-117942-32)	10/12/15	11:50 Eastern		Solid			X	1	
AOPSJ1001 (680-117942-34)	10/12/15	10:20 Eastern		Solid			X	1	
AOPSM1001 (680-117942-35)	10/12/15	10:40 Eastern		Solid			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 10/16/15 17:00	Company	Received by:	Date/Time: 10/17/15 830	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: Transfer by MS 0.4 IR5 +0.1 10/17/15

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-407207.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: michele.kersey@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.				Job #: 680-117942-1
Address: 4955 Yarrow Street,	Due Date Requested: 10/23/2015	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - Di Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: GTMO LSR	Project #: 68015292			
Site:	SSOW#:			Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8141A_DOD6/3540C Organophosphorous Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
AOPSM901 (680-117942-40)	10/12/15	11:05 Eastern		Solid			X	1	
AOPSM301 (680-117942-43)	10/12/15	14:00 Eastern		Solid			X	1	
AOPSM301 (680-117942-43MS)	10/12/15	14:00 Eastern	MS	Solid			X	1	
AOPSM301 (680-117942-43MSD)	10/12/15	14:00 Eastern	MSD	Solid			X	1	
AOPSM201 (680-117942-44)	10/12/15	13:58 Eastern		Solid			X	1	
AOPSM501 (680-117942-49)	10/12/15	13:35 Eastern		Solid			X	1	
AOPSH301 (680-117942-53)	10/12/15	17:00 Eastern		Solid			X	1	
AOPSH301 (680-117942-53MS)	10/12/15	17:00 Eastern	MS	Solid			X	1	
AOPSH401 (680-117942-54)	10/12/15	17:15 Eastern		Solid			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 10/16/15 17:00	Company	Received by:	Date/Time: 10/17/15 830	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-4
SDG Number: GTM04

Login Number: 117942
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-4
SDG Number: GTM04

Login Number: 117942
List Number: 3
Creator: Soto, Mayra A

List Source: TestAmerica Denver
List Creation: 10/19/15 01:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-4
SDG Number: GTM04

Login Number: 117942
List Number: 6
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-4
SDG Number: GTM04

Login Number: 117942
List Number: 7
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	False	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-4
SDG Number: GTM04

Login Number: 117942
List Number: 8
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-4
SDG Number: GTM04

Login Number: 117942
List Number: 9
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:32 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	False	Refer to Job Narrative for details.
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-4
SDG Number: GTM04

Login Number: 117942
List Number: 10
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-4
SDG: GTM04

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Denver

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	11-30-15 *
A2LA	ISO/IEC 17025		2907.01	11-30-15
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-16
Arizona	State Program	9	AZ0713	12-19-16
Arkansas DEQ	State Program	6	88-0687	06-01-16
California	State Program	9	2513	08-31-16
Connecticut	State Program	1	PH-0686	09-30-16
Florida	NELAP	4	E87667	06-30-16
Georgia	State Program	4	N/A	01-09-16
Illinois	NELAP	5	200017	04-30-16
Iowa	State Program	7	370	11-30-16
Kansas	NELAP	7	E-10166	04-30-16
Louisiana	NELAP	6	02096	06-30-16
Maine	State Program	1	CO0002	03-03-17
Minnesota	NELAP	5	8-999-405	12-31-15
Nevada	State Program	9	CO0026	07-31-16
New Hampshire	NELAP	1	205310	04-28-16
New Jersey	NELAP	2	CO004	11-30-15 *
New York	NELAP	2	11964	04-01-16
North Carolina (WW/SW)	State Program	4	358	12-31-15
North Dakota	State Program	8	R-034	01-09-16
Oklahoma	State Program	6	8614	08-31-16
Oregon	NELAP	10	4025	01-09-16
Pennsylvania	NELAP	3	68-00664	07-31-16
South Carolina	State Program	4	72002001	01-09-16
Texas	NELAP	6	T104704183-15-11	09-30-16
USDA	Federal		P330-13-00202	07-02-16
Utah	NELAP	8	CO00026	07-31-16
Virginia	NELAP	3	460232	06-14-16
Washington	State Program	10	C583	08-03-16
West Virginia DEP	State Program	3	354	11-30-15
Wisconsin	State Program	5	999615430	08-31-16
Wyoming (UST)	A2LA	8	2907.01	11-30-15

* Certification renewal pending - certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117942-5
TestAmerica Sample Delivery Group: GTM05
Client Project/Site: GTMO, Cuba / Site Investigation

For:
Earth Toxics, Inc
PO Box 3382
Logan, Utah 84321

Attn: Mike Dryden

Authorized for release by:
11/12/2015 6:07:21 PM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-117942-5

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO, Cuba / Site Investigation

Report Number: 680-117942-5

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/16/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.0º C, 3.2º C, 3.4º C, 3.4º C, 4.0º C and 4.4º C.

Receipt Exceptions

Sample volumes were received over a 2 day period due to a Federal Express delay, sample volumes were received on Friday 10/16/15 and Saturday 10/17/15.

GASOLINE RANGE ORGANICS (GRO)

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for Gasoline Range Organics (GRO) in accordance with EPA SW-846 Method 8015C. The samples were analyzed on 10/24/2015, 10/25/2015, 10/26/2015 and 10/29/2015.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-407239.

Surrogate recovery for the following samples was outside the upper control limit: AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSD901 (680-117942-26), AOPSD901 (680-117942-26[MS]), AOPSD901 (680-117942-26[MSD]), AOPSB501 (680-117942-28) and AOPSM801 (680-117942-30). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Reanalysis of the following samples was performed outside of the analytical holding time. These samples were on hold as stipulated by the client. Insufficient time remained for re-analysis in hold.AOPSB501 (680-117942-28).

Internal standard (ISTD) response for the following sample was outside control limits: AOPSB501 (680-117942-28). The sample was re-analyzed and the re-analysis passed, but was out of hold. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Job ID: 680-117942-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples 680-117942-21 through 680-117942-41 were analyzed at 6 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 1ml final volume to be achieved.

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for Diesel Range Organics (DRO) in accordance with EPA SW-846 Method 8015C. The samples were prepared on 10/22/2015 and 10/23/2015 and analyzed on 10/27/2015, 10/28/2015, 10/31/2015 and 11/01/2015.

Samples AOPSG801 (680-117942-21)[10X], AOPCC901 (680-117942-22)[10X], AOPSC901 (680-117942-23)[10X], AOPSE401 (680-117942-24)[5X], AOPSB701 (680-117942-25)[5X], AOPSD901 (680-117942-26)[10X], AOPSA601 (680-117942-27)[10X], AOPSB501 (680-117942-28)[10X], AOPSM601 (680-117942-29)[10X], AOPSM801 (680-117942-30)[10X], AOPCM801 (680-117942-31)[10X], AOPSM701 (680-117942-32)[10X], AOPSL801 (680-117942-33)[5X], AOPSJ1001 (680-117942-34)[10X], AOPSM1001 (680-117942-35)[5X], AOPSL901 (680-117942-36)[5X], AOPSK1001 (680-117942-37)[10X], AOPCK1001 (680-117942-38)[10X], AOPSK901 (680-117942-39)[5X], AOPSM901 (680-117942-40)[5X] and AOPSL1001 (680-117942-41)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. As such, surrogate recovery for o-terphenyl was diluted below quantitation limits.

Oil Range Organics (C20-C36) exceeded the recovery criteria low for the MS and MSD of sample AOPSD901 (680-117942-26) in batch 680-407604.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-21 through 680-117942-41 were analyzed at 5 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 10 mls final volume to be achieved.

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 8081B/8082A. The samples were prepared on 10/22/2015 and 10/23/2015 and analyzed on 10/28/2015, 10/29/2015, 10/30/2015 and 10/31/2015.

Samples AOPSG801 (680-117942-21)[50X], AOPCC901 (680-117942-22)[50X], AOPSC901 (680-117942-23)[50X], AOPSB701 (680-117942-25)[5X], AOPSD901 (680-117942-26)[50X], AOPSA601 (680-117942-27)[25X], AOPSB501 (680-117942-28)[50X], AOPSM601 (680-117942-29)[25X], AOPSM801 (680-117942-30)[25X], AOPCM801 (680-117942-31)[25X], AOPSM701 (680-117942-32)[25X], AOPSJ1001 (680-117942-34)[50X], AOPSK1001 (680-117942-37)[25X], AOPSK1001 (680-117942-37)[250X], AOPCK1001 (680-117942-38)[25X], AOPCK1001 (680-117942-38)[250X], AOPSK901 (680-117942-39)[5X], AOPSM901 (680-117942-40)[5X] and AOPSL1001 (680-117942-41)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. As such, surrogate recovery for DCB Decachlorobiphenyl and Tetrachloro-m-xylene was diluted below quantitation limits.

Kepone exceeded the recovery criteria high for LCS 680-406497/28-A and LCS 680-406986/28-A.
4,4'-DDE and 4,4'-DDT exceeded the recovery criteria low for the MS and MSD of sample AOPSD901 (680-117942-26) in batch 680-407913.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 680-117942-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

ORGANOPHOSPHORUS PESTICIDES

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 30gm for 8141. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8141A. The samples were prepared on 10/24/2015, 10/25/2015 and 10/27/2015 and analyzed on 10/28/2015, 10/29/2015, 10/30/2015, 11/05/2015, 11/06/2015, 11/07/2015, 11/09/2015 and 11/10/2015.

Samples AOPSG801 (680-117942-21)[10X], AOPSG801 (680-117942-21)[100X], AOPCC901 (680-117942-22)[10X], AOPCC901 (680-117942-22)[100X], AOPSC901 (680-117942-23)[10X], AOPSC901 (680-117942-23)[100X], AOPSE401 (680-117942-24)[10X], AOPSE401 (680-117942-24)[100X], AOPSB701 (680-117942-25)[10X], AOPSB701 (680-117942-25)[100X], AOPSD901 (680-117942-26)[10X], AOPSD901 (680-117942-26)[100X], AOPSA601 (680-117942-27)[10X], AOPSA601 (680-117942-27)[100X], AOPSB501 (680-117942-28)[10X], AOPSB501 (680-117942-28)[100X], AOPSM601 (680-117942-29)[10X], AOPSM601 (680-117942-29)[100X], AOPSM801 (680-117942-30)[10X], AOPSM801 (680-117942-30)[100X], AOPCM801 (680-117942-31)[10X], AOPCM801 (680-117942-31)[100X], AOPSM701 (680-117942-32)[10X], AOPSM701 (680-117942-32)[100X], AOPSL801 (680-117942-33)[10X], AOPSL801 (680-117942-33)[100X], AOPSJ1001 (680-117942-34)[10X], AOPSJ1001 (680-117942-34)[100X], AOPSM1001 (680-117942-35)[10X], AOPSM1001 (680-117942-35)[100X], AOPSL901 (680-117942-36)[10X], AOPSL901 (680-117942-36)[100X], AOPSK1001 (680-117942-37)[10X], AOPSK1001 (680-117942-37)[100X], AOPCK1001 (680-117942-38)[10X], AOPCK1001 (680-117942-38)[100X], AOPSK901 (680-117942-39)[10X], AOPSK901 (680-117942-39)[100X], AOPSM901 (680-117942-40)[10X] and AOPSM901 (680-117942-40)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Triphenylphosphate, Triphenylphosphate and Triphenylphosphate exceeded the surrogate recovery criteria low for AOPSB501 (680-117942-28). Refer to the QC report for details.

Several analytes exceeded the recovery criteria low for the MS and MSD of sample AOPSD901 (680-117942-26) in batch 280-302868. Methyl parathion, Phorate and Sulfotepp exceeded the RPD limit.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-300892 and analytical batch 280-302677 recovered outside control limits on the primary column for the following analytes: o,o',o''-Triethylphosphorothioate (135% with limits of 40%-120%). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data has been reported from the confirmation column which was within control limits.
8141 / A-302677 / P-300892

The laboratory control sample (LCS) for preparation batch 280-301313 and analytical batch 280-302868 recovered outside control limits on the primary column for the following analytes: o,o,o-TEPT (136% with limits of 40%-120%). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data has been reported from the confirmation column which was within control limits.
8141 / A-302868 / P-301313

The laboratory control sample (LCS) for preparation batch 280-300973 and analytical batch 280-303191 recovered outside control limits on the primary column for o,o,o-TEPT on instrument D (123% with limits of 40%-120%). This analytes were biased high in the LCS and were not detected in the associated samples; therefore, this analyte has been reported from the confirmation column which was within control limits.
8141 / A-303191 / P-300973

Instrument D2 was calibrated 10-26-2015. At this time, naled and internal standard tributyl phosphate were separating. After running samples from job 680-117942, these peaks began to co-elute on the primary column. Sample matrix effect is suspected. Due to this extra area in the internal standard peak analyte results calculated using tributyl phosphate are biased low on the primary column. Due to the ISTD being biased high, the CCV compounds associated with this ISTD all fail low on the primary column for each of the bracketing

Job ID: 680-117942-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

CCVs. The reported samples are ND for all target compounds. Phosmet, EPN, and for some samples, azinphos methyl, are reported from the primary column and are calculated using the other internal standard TOCP. All other analytes are reported from the confirmation column. The CCVs were in control on the primary column for the compounds reported from the primary column: phosmet, EPN, and axinphos methyl.
8141 / A-301302, 301497 / P-300944

The continuing calibration verification (CCV) associated with batch 280-301302 recovered above the upper control limit for dichlorvos. The samples associated with this CCV were non-detects for the affected analytes and we have a variance that allows us to report ND results with high CCV recoveries. The CCVs also recovered below the lower limit for naled. As a result naled is reported from a run with a higher dilution. The following samples are impacted: AOPSE401 (680-117942-24), (LCS 280-300944/2-A), (MB 280-300944/1-A), (680-117942-C-17-B), (680-117942-C-17-C MS) and (680-117942-C-17-D MS).

Instrument D2 was calibrated 10-26-2015 and began running samples from job 680-117942. Sample matrix effect is suspected. iBy the end of the analytical run Naled and internal standard tributylphosphate were co-eluting on the primary column. Due to this bias most compounds on the primary column CCVs fail low. The samples reported from batch 301748 are ND and are reported from the confirmation column. 8141 / A-301748 / P-300892

The continuing calibration verification (CCV) associated with batch 280-301748 recovered outside acceptance criteria, low biased, for dimethoate. Only naled is reported from this run, dimethoate is reported from another run. All compounds for the LCS were reported from the back column with all compounds well in control including dimethoate. A reanalyzed LCS is also reported from another batch.
8141 / A-301748 / P-300892

The initial calibration curve analyzed in batch 280-302677 does not support the RL for mevinphos on the primary column due to dropped peaks. Mevinphos is ND in the associated samples and is reported from the confirmation column which supports the RL. The one exception is sample 680-117942-28 which had a hit of mevinphos (above the DL but below the LOQ) on instrument D. This sample was rerun on D2. The hit did not confirm and the mevinphos result is reported from the rerun.
8141 / A-302677 / P-300892

The continuing calibration verification (CCV) associated with batch 280-302677 recovered above the upper control limit for dichlorvos. The samples associated with this CCV were non-detects for the affected analytes. We have a variance allowing us to report ND results with high CCV recoveries; therefore, the data has been reported. The CCVs also recovered below the lower limit for naled. Naled is reported from a higher dilution run with CCVs that were within control limits. The following sample is impacted: (CCV 280-302677/22).

The continuing calibration verification (CCV) associated with batch 280-302868 recovered outside control limits for the following analytes: dichlorvos, propazine, and naled. Dichlorvos is ND in the associated samples and is reported from the column that is within control limits (confirmation for bracket 1, primary for bracket 3). Naled is reported from a diluted run and propazine from a re-analysis with CCVs that were within control limits. MS/MSD recoveries are diluted out in sample 26MS and MSD. The following samples are impacted: AOPSD901 (680-117942-26[MS]), AOPSD901 (680-117942-26[MSD]), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40), (CCV 280-302868/10), (CCV 280-302868/22), (CCV 280-302868/25), (CCVIS 280-302868/3), (LCS 280-301313/2-A), (MB 280-301313/1-A), (280-75711-A-3-G), (280-75711-A-3-H MS) and (280-75711-A-3-I MSD).
8141 / A-302868 / P-301313

The continuing calibration verification (CCV) associated with batch 280-303191 recovered outside acceptance criteria for the analytes listed below. This batch was used to reported naled which is ND in the associated sample and reported from the confirmation column which was within control limits. 8141 / A-303191 / P-301313

There was an inconsistent response on the confirmation column while running batch 303047 causing multiple internal standard failures. Propazine is the only analyte reported from this batch. It is ND and is reported from the primary column which was within control limits.
8141 / A303047 / P-300892

The continuing calibration verification (CCV) associated with batch 280-303047 recovered outside acceptance criteria for dichlorvos, naled, and o,o,-TEPT on the primary column. This batch is used to report propazine which is ND in the associated samples and reported from the primary column. The confirmation column is not used for this batch (NCM 252464). 8141 / A-303047 / P-300892, 301313

Job ID: 680-117942-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The continuing calibration verification (CCV) associated with batch 280-303332 recovered outside acceptance criteria for the analytes listed below. This run was used to report mevinphos which was within control limits. Primary column outages are reported from the confirmation column in the MB and LCS. Since naled is not reported from this calibration the naled outage in CCV2 can be disregarded
8141 / A-303332 / P-300892

Due to an inconsistent signal on the front detector, primary column data is not used for batch 303141 due to multiple internal standard failures. Naled (which was ND in the associated samples) was reported from the confirmation column for this batch.
8141 / A-303141 / P-300973

The continuing calibration verification (CCV) associated with batch 280-303141 recovered outisde control limits for the analytes listed below. This batch is used to report naled from the confirmation column (naled was ND in the associated samples). The primary column is not used (see NCM 252825) The following samples are impacted: AOPSL1001 (680-117942-41), (CCV 280-303141/18), (CCV 280-303141/6) and (CCVIS 280-303141/3).
8141 / A-303141 / P-300973

The continuing calibration verification (CCV) associated with batch 280-303332 recovered outside control limits for the analytes listed below. The samples associated with this CCV were non-detects for the affected analytes. Results are reported from the column that is within control limits. Naled is not reported from this batch. The following samples are impacted: AOPSL1001 (680-117942-41) and (CCVIS 280-303332/3).
8141 / A-303332 / P-300973

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3540C: Due to equipment failure, the method blank and sample 680-117942-6 were lost during the extraction. The analyst shut down the chiller before the 18 hours to save the rest of the extracts, the samples ran for 15 hours and 40 minutes. All the samples will be re-extracted within holding time, and the remaining extracts will be saved but not concentrated. Batch: 300841, Prep Method: 3540C, Analytical Method: 8141A_DOD5.

Method(s) 3540C: Spilled at concentrations. Accidentally poured over while rinsing Turbo Vap tube.
analytical batch 280-300892 3540C, 8141A_DOD5

Method(s) 3540C: The following sample was re-prepared outside of preparation holding time due to an analyst error on this sample in the first batch. AOPCM801 (680-117942-31). Batch: 301313, Prep Method: 3540C, Analytical Method: 8141A.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HERBICIDES
Samples AOPSG801 (680-117942-21), AOPCC901 (680-117942-22), AOPSC901 (680-117942-23), AOPSE401 (680-117942-24), AOPSB701 (680-117942-25), AOPSD901 (680-117942-26), AOPSA601 (680-117942-27), AOPSB501 (680-117942-28), AOPSM601 (680-117942-29), AOPSM801 (680-117942-30), AOPCM801 (680-117942-31), AOPSM701 (680-117942-32), AOPSL801 (680-117942-33), AOPSJ1001 (680-117942-34), AOPSM1001 (680-117942-35), AOPSL901 (680-117942-36), AOPSK1001 (680-117942-37), AOPCK1001 (680-117942-38), AOPSK901 (680-117942-39), AOPSM901 (680-117942-40) and AOPSL1001 (680-117942-41) were analyzed for herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 10/22/2015 and 10/23/2015 and analyzed on 10/24/2015.

Method(s) 3546: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: AOPSL1001 (680-117942-41). The reporting limits (RLs) have been adjusted proportionately.

Samples AOPSG801 (680-117942-21)[10X], AOPCC901 (680-117942-22)[10X], AOPSC901 (680-117942-23)[10X], AOPSB701 (680-117942-25)[5X], AOPSD901 (680-117942-26)[10X], AOPSA601 (680-117942-27)[10X], AOPSB501 (680-117942-28)[10X], AOPSM601 (680-117942-29)[5X], AOPSM801 (680-117942-30)[10X], AOPCM801 (680-117942-31)[10X], AOPSM701 (680-117942-32)[10X], AOPSL801 (680-117942-33)[5X], AOPSJ1001 (680-117942-34)[10X], AOPSL901 (680-117942-36)[5X], AOPSK1001 (680-117942-37) [10X], AOPCK1001 (680-117942-38)[10X], AOPSK901 (680-117942-39)[5X] and AOPSM901 (680-117942-40)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. As such, surrogate recovery for 2,4-Dichlorophenylacetic acid was

Job ID: 680-117942-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

diluted below quantitation limits.

The following samples was diluted due to color: (680-117942-D-43-A), (680-117942-D-43-B MS) and (680-117942-D-43-C MS). Elevated reporting limits (RL) are provided.

The following analyte(s) recovered outside project control limits for the LCS associated with preparation batch 680-406504 and analytical batch 680-407214: 2,4-DB. This analyte is known to have poor recoveries for this method. The recovery was within the 4X marginal exceedance limits of the project but was not random. This analyte is within control established in-house control limits of 10%-130% based on lab data. Therefore, re-extraction was not performed.

The following analyte(s) recovered outside project control limits for the LCS associated with preparation batch 680-406950 and analytical batch 680-407271: 2,4-DB. This analyte is known to have poor recoveries for this method. The recovery was within the 4X marginal exceedance limits of the project but was not random. This analyte is within control established in-house control limits of 10%-130% based on lab data. Therefore, re-extraction was not performed.

Several analytes failed the recovery criteria low for the MS and MSD of sample AOPSD901 (680-117942-26) in batch 680-407214.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117942-21	AOPSG801	Solid	10/11/15 17:20	10/17/15 09:50
680-117942-22	AOPCC901	Solid	10/11/15 14:45	10/17/15 09:50
680-117942-23	AOPSC901	Solid	10/11/15 14:45	10/17/15 09:55
680-117942-24	AOPSE401	Solid	10/10/15 17:00	10/17/15 09:50
680-117942-25	AOPSB701	Solid	10/11/15 11:00	10/16/15 09:45
680-117942-26	AOPSD901	Solid	10/11/15 12:00	10/17/15 09:50
680-117942-27	AOPSA601	Solid	10/11/15 10:45	10/17/15 09:50
680-117942-28	AOPSB501	Solid	10/11/15 10:15	10/17/15 09:50
680-117942-29	AOPSM601	Solid	10/12/15 11:45	10/16/15 09:45
680-117942-30	AOPSM801	Solid	10/12/15 11:25	10/16/15 09:45
680-117942-31	AOPCM801	Solid	10/12/15 11:25	10/16/15 09:45
680-117942-32	AOPSM701	Solid	10/12/15 11:50	10/16/15 09:45
680-117942-33	AOPSL801	Solid	10/12/15 11:20	10/17/15 09:55
680-117942-34	AOPSJ1001	Solid	10/12/15 10:20	10/16/15 09:45
680-117942-35	AOPSM1001	Solid	10/12/15 10:40	10/16/15 09:45
680-117942-36	AOPSL901	Solid	10/12/15 11:00	10/17/15 09:50
680-117942-37	AOPSK1001	Solid	10/12/15 10:00	10/17/15 09:50
680-117942-38	AOPCK1001	Solid	10/12/15 10:00	10/17/15 09:50
680-117942-39	AOPSK901	Solid	10/12/15 10:05	10/17/15 09:45
680-117942-40	AOPSM901	Solid	10/12/15 11:05	10/16/15 09:45
680-117942-41	AOPSL1001	Solid	10/12/15 10:20	10/16/15 09:45

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Method	Method Description	Protocol	Laboratory
8015C GRO	Gasoline Range Organics (GRO)	SW846	TAL SAV
8015C DRO	Diesel Range Organics (DRO) (GC)	SW846	TAL SAV
8081B 8082A	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8141A	Organophosphorous Pesticides (GC)	SW846	TAL DEN
8151A DOD	Herbicides (GC)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC VOA

Qualifier	Qualifier Description
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
Q	One or more quality control criteria failed.
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix sp ke concentration; therefore, control limits are not applicable.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AOPSG801

Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21

Matrix: Solid
Percent Solids: 81.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.5	U	1.5	1.5	0.60	mg/Kg	☼	10/25/15 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*144*	*Q*	*68 - 134*	*10/25/15 12:00*	*10/25/15 17:04*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180	U	200	180	130	mg/Kg	☼	10/27/15 22:34	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/27/15 22:34	10
JP-4 Fuel	400	U	400	400	400	mg/Kg	☼	10/27/15 22:34	10
JP-5	200	U	200	200	200	mg/Kg	☼	10/27/15 22:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/27/15 22:34*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.069	U	0.32	0.069	0.028	mg/Kg	☼	10/28/15 20:10	50
alpha-BHC	0.069	U	0.32	0.069	0.026	mg/Kg	☼	10/28/15 20:10	50
alpha-Chlordane	0.069	U	0.32	0.069	0.034	mg/Kg	☼	10/28/15 20:10	50
beta-BHC	0.14	U	0.32	0.14	0.062	mg/Kg	☼	10/28/15 20:10	50
Chlordane (technical)	1.3	U	3.2	1.3	0.54	mg/Kg	☼	10/28/15 20:10	50
Chlorobenzilate	11	U	19	11	4.5	mg/Kg	☼	10/28/15 20:10	50
4,4'-DDD	0.069	U	0.32	0.069	0.034	mg/Kg	☼	10/28/15 20:10	50
4,4'-DDE	0.069	U	0.32	0.069	0.034	mg/Kg	☼	10/28/15 20:10	50
4,4'-DDT	0.094	U	0.32	0.094	0.041	mg/Kg	☼	10/28/15 20:10	50
delta-BHC	0.094	U	0.32	0.094	0.036	mg/Kg	☼	10/28/15 20:10	50
Dieldrin	0.069	U	0.32	0.069	0.032	mg/Kg	☼	10/28/15 20:10	50
Endosulfan I	0.069	U	0.32	0.069	0.032	mg/Kg	☼	10/28/15 20:10	50
Endosulfan II	0.069	U	0.32	0.069	0.028	mg/Kg	☼	10/28/15 20:10	50
Endosulfan sulfate	0.094	U	0.32	0.094	0.039	mg/Kg	☼	10/28/15 20:10	50
Endrin	0.094	U	0.32	0.094	0.041	mg/Kg	☼	10/28/15 20:10	50
Endrin aldehyde	0.094	U	0.32	0.094	0.041	mg/Kg	☼	10/28/15 20:10	50
Endrin ketone	0.094	U	0.32	0.094	0.037	mg/Kg	☼	10/28/15 20:10	50
gamma-BHC (Lindane)	0.069	U	0.32	0.069	0.026	mg/Kg	☼	10/28/15 20:10	50
gamma-Chlordane	0.069	U	0.32	0.069	0.034	mg/Kg	☼	10/28/15 20:10	50
Heptachlor	0.094	U	0.32	0.094	0.036	mg/Kg	☼	10/28/15 20:10	50
Heptachlor epoxide	0.069	U	0.32	0.069	0.030	mg/Kg	☼	10/28/15 20:10	50
Isodrin	0.17	U	0.32	0.17	0.064	mg/Kg	☼	10/28/15 20:10	50
Kepone	6.5	U	19	6.5	2.4	mg/Kg	☼	10/28/15 20:10	50
Methoxychlor	0.14	U	0.32	0.14	0.052	mg/Kg	☼	10/28/15 20:10	50
PCB-1016	4.3	U	6.2	4.3	2.1	mg/Kg	☼	10/28/15 20:10	50
PCB-1221	5.6	U	6.2	5.6	2.8	mg/Kg	☼	10/28/15 20:10	50
PCB-1232	2.4	U	6.2	2.4	0.97	mg/Kg	☼	10/28/15 20:10	50
PCB-1242	2.4	U	6.2	2.4	0.94	mg/Kg	☼	10/28/15 20:10	50
PCB-1248	3.7	U	6.2	3.7	1.5	mg/Kg	☼	10/28/15 20:10	50
PCB-1254	5.6	U	6.2	5.6	1.9	mg/Kg	☼	10/28/15 20:10	50
PCB-1260	4.3	U	6.2	4.3	1.8	mg/Kg	☼	10/28/15 20:10	50
Toxaphene	2.4	U	32	2.4	1.0	mg/Kg	☼	10/28/15 20:10	50

Client Sample ID: AOPSG801

Date Collected: 10/11/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-21

Matrix: Solid
Percent Solids: 81.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/22/15 09:33	10/28/15 20:10	50
Tetrachloro-m-xylene	0	D	46 - 130	10/22/15 09:33	10/28/15 20:10	50

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	370	U	760	370	140	ug/Kg	☼	11/05/15 18:35	10
Azinphos-ethyl	370	U	370	370	98	ug/Kg	☼	11/05/15 18:35	10
Azinphos-methyl	91	U	150	91	40	ug/Kg	☼	11/05/15 18:35	10
Bolstar	190	U	150	190	48	ug/Kg	☼	11/05/15 18:35	10
Chlorpyrifos	190	U	230	190	73	ug/Kg	☼	11/05/15 18:35	10
Coumaphos	91	U	150	91	32	ug/Kg	☼	11/05/15 18:35	10
Demeton-O	260	U	440	260	60	ug/Kg	☼	11/05/15 18:35	10
Demeton-S	110	U	170	110	55	ug/Kg	☼	11/05/15 18:35	10
Demeton, Total	190	U	440	190	85	ug/Kg	☼	11/05/15 18:35	10
Diazinon	190	U	250	190	82	ug/Kg	☼	11/05/15 18:35	10
Dichlorvos	190	U	260	190	84	ug/Kg	☼	11/05/15 18:35	10
Dimethoate	190	U	250	190	80	ug/Kg	☼	11/05/15 18:35	10
Disulfoton	190	U	540	190	88	ug/Kg	☼	11/05/15 18:35	10
EPN	91	U	150	91	42	ug/Kg	☼	11/05/15 18:35	10
Mocap	190	U	170	190	56	ug/Kg	☼	11/05/15 18:35	10
Ethyl Parathion	190	U	200	190	60	ug/Kg	☼	11/05/15 18:35	10
Famphur	91	U	150	91	36	ug/Kg	☼	11/05/15 18:35	10
Fensulfothion	190	U	280	190	92	ug/Kg	☼	11/05/15 18:35	10
Fenthion	370	U	370	370	99	ug/Kg	☼	11/05/15 18:35	10
Malathion	190	U	170	190	53	ug/Kg	☼	11/05/15 18:35	10
Merphos	190	U	340	190	58	ug/Kg	☼	11/05/15 18:35	10
Methyl parathion	190	U	230	190	72	ug/Kg	☼	11/05/15 18:35	10
Mevinphos	190	U	170	190	52	ug/Kg	☼	11/05/15 18:35	10
Phorate	190	U	230	190	65	ug/Kg	☼	11/05/15 18:35	10
Phosmet	760	U	760	760	220	ug/Kg	☼	11/05/15 18:35	10
Propazine	370	U	760	370	98	ug/Kg	☼	11/05/15 18:35	10
Ronnel	370	U	520	370	170	ug/Kg	☼	11/05/15 18:35	10
Simazine	760	U	760	760	250	ug/Kg	☼	11/05/15 18:35	10
Tetrachlorvinphos (Stirophos)	190	U	170	190	49	ug/Kg	☼	11/05/15 18:35	10
Sulfotepp	190	U	230	190	71	ug/Kg	☼	11/05/15 18:35	10
Thionazin	190	U	200	190	63	ug/Kg	☼	11/05/15 18:35	10
Tokuthion	91	U	230	91	44	ug/Kg	☼	11/05/15 18:35	10
Trichloronate	190	U	230	190	71	ug/Kg	☼	11/05/15 18:35	10
o,o',o''-Triethylphosphorothioate	190	U	440	190	89	ug/Kg	☼	11/05/15 18:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	47	D	47 - 161	10/24/15 11:05	11/05/15 18:35	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7600	U	7900	7600	2600	ug/Kg	☼	10/29/15 19:34	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	50	D	47 - 161	10/24/15 11:05	10/29/15 19:34	100

Client Sample ID: AOPSG801

Lab Sample ID: 680-117942-21
Date Collected: 10/11/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.5

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.061	U	0.10	0.061	0.061	mg/Kg	☼	10/24/15 12:59	10
Dalapon	0.098	U	1.2	0.098	0.035	mg/Kg	☼	10/24/15 12:59	10
2,4-DB	0.061	U Q	0.10	0.061	0.037	mg/Kg	☼	10/24/15 12:59	10
Dicamba	0.061	U	0.10	0.061	0.023	mg/Kg	☼	10/24/15 12:59	10
Dichlorprop	0.024	U	0.10	0.024	0.013	mg/Kg	☼	10/24/15 12:59	10
Dinoseb	0.061	U	0.61	0.061	0.056	mg/Kg	☼	10/24/15 12:59	10
MCPA	5.9	U	24	5.9	2.3	mg/Kg	☼	10/24/15 12:59	10
MCPP	5.9	U	24	5.9	2.1	mg/Kg	☼	10/24/15 12:59	10
Pentachlorophenol	0.012	U	0.10	0.012	0.0051	mg/Kg	☼	10/24/15 12:59	10
Silvex (2,4,5-TP)	0.061	U	0.10	0.061	0.020	mg/Kg	☼	10/24/15 12:59	10
2,4,5-T	0.061	U	0.10	0.061	0.028	mg/Kg	☼	10/24/15 12:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 12:59*	*10*

Client Sample ID: AOPCC901

Lab Sample ID: 680-117942-22
Date Collected: 10/11/15 14:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.4

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.57	mg/Kg	☼	10/25/15 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*168*	*Q*	*68 - 134*	*10/25/15 12:00*	*10/25/15 17:27*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180	U	200	180	120	mg/Kg	☼	10/27/15 22:48	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/27/15 22:48	10
JP-4 Fuel	390	U	390	390	390	mg/Kg	☼	10/27/15 22:48	10
JP-5	200	U	200	200	200	mg/Kg	☼	10/27/15 22:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/27/15 22:48*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.068	U	0.31	0.068	0.027	mg/Kg	☼	10/28/15 20:26	50
alpha-BHC	0.068	U	0.31	0.068	0.026	mg/Kg	☼	10/28/15 20:26	50
alpha-Chlordane	0.068	U	0.31	0.068	0.033	mg/Kg	☼	10/28/15 20:26	50
beta-BHC	0.13	U	0.31	0.13	0.060	mg/Kg	☼	10/28/15 20:26	50
Chlordane (technical)	1.2	U	3.1	1.2	0.53	mg/Kg	☼	10/28/15 20:26	50
Chlorobenzilate	11	U	18	11	4.4	mg/Kg	☼	10/28/15 20:26	50
4,4'-DDD	0.068	U	0.31	0.068	0.033	mg/Kg	☼	10/28/15 20:26	50
4,4'-DDE	**0.11**	**J D**	0.31	0.068	0.033	mg/Kg	☼	10/28/15 20:26	50
4,4'-DDT	0.092	U	0.31	0.092	0.040	mg/Kg	☼	10/28/15 20:26	50
delta-BHC	0.092	U	0.31	0.092	0.035	mg/Kg	☼	10/28/15 20:26	50
Dieldrin	0.068	U	0.31	0.068	0.031	mg/Kg	☼	10/28/15 20:26	50
Endosulfan I	0.068	U	0.31	0.068	0.031	mg/Kg	☼	10/28/15 20:26	50
Endosulfan II	0.068	U	0.31	0.068	0.027	mg/Kg	☼	10/28/15 20:26	50

Client Sample ID: AOPCC901
Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22
Matrix: Solid
Percent Solids: 81.4

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.092	U	0.31	0.092	0.038	mg/Kg	☼	10/28/15 20:26	50
Endrin	0.092	U	0.31	0.092	0.040	mg/Kg	☼	10/28/15 20:26	50
Endrin aldehyde	0.092	U	0.31	0.092	0.040	mg/Kg	☼	10/28/15 20:26	50
Endrin ketone	0.092	U	0.31	0.092	0.037	mg/Kg	☼	10/28/15 20:26	50
gamma-BHC (Lindane)	0.068	U	0.31	0.068	0.026	mg/Kg	☼	10/28/15 20:26	50
gamma-Chlordane	0.068	U	0.31	0.068	0.033	mg/Kg	☼	10/28/15 20:26	50
Heptachlor	0.092	U	0.31	0.092	0.035	mg/Kg	☼	10/28/15 20:26	50
Heptachlor epoxide	0.068	U	0.31	0.068	0.029	mg/Kg	☼	10/28/15 20:26	50
Isodrin	0.17	U	0.31	0.17	0.062	mg/Kg	☼	10/28/15 20:26	50
Kepone	6.4	U	18	6.4	2.4	mg/Kg	☼	10/28/15 20:26	50
Methoxychlor	0.13	U	0.31	0.13	0.051	mg/Kg	☼	10/28/15 20:26	50
PCB-1016	4.2	U	6.0	4.2	2.0	mg/Kg	☼	10/28/15 20:26	50
PCB-1221	5.5	U	6.0	5.5	2.7	mg/Kg	☼	10/28/15 20:26	50
PCB-1232	2.4	U	6.0	2.4	0.95	mg/Kg	☼	10/28/15 20:26	50
PCB-1242	2.4	U	6.0	2.4	0.92	mg/Kg	☼	10/28/15 20:26	50
PCB-1248	3.7	U	6.0	3.7	1.5	mg/Kg	☼	10/28/15 20:26	50
PCB-1254	5.5	U	6.0	5.5	1.8	mg/Kg	☼	10/28/15 20:26	50
PCB-1260	4.2	U	6.0	4.2	1.8	mg/Kg	☼	10/28/15 20:26	50
Toxaphene	2.4	U	31	2.4	1.0	mg/Kg	☼	10/28/15 20:26	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/28/15 20:26*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/28/15 20:26*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	400	U	820	400	150	ug/Kg	☼	11/05/15 19:06	10
Azinphos-ethyl	400	U	400	400	110	ug/Kg	☼	11/05/15 19:06	10
Azinphos-methyl	97	U	160	97	43	ug/Kg	☼	11/05/15 19:06	10
Bolstar	210	U	160	210	52	ug/Kg	☼	11/05/15 19:06	10
Chlorpyrifos	210	U	240	210	79	ug/Kg	☼	11/05/15 19:06	10
Coumaphos	97	U	160	97	34	ug/Kg	☼	11/05/15 19:06	10
Demeton-O	280	U	470	280	64	ug/Kg	☼	11/05/15 19:06	10
Demeton-S	120	U	180	120	59	ug/Kg	☼	11/05/15 19:06	10
Demeton, Total	210	U	470	210	92	ug/Kg	☼	11/05/15 19:06	10
Diazinon	210	U	270	210	88	ug/Kg	☼	11/05/15 19:06	10
Dichlorvos	210	U	280	210	90	ug/Kg	☼	11/05/15 19:06	10
Dimethoate	210	U	270	210	86	ug/Kg	☼	11/05/15 19:06	10
Disulfoton	210	U	580	210	94	ug/Kg	☼	11/05/15 19:06	10
EPN	97	U	160	97	45	ug/Kg	☼	11/05/15 19:06	10
Mocap	210	U	180	210	60	ug/Kg	☼	11/05/15 19:06	10
Ethyl Parathion	210	U	220	210	64	ug/Kg	☼	11/05/15 19:06	10
Famphur	97	U	160	97	39	ug/Kg	☼	11/05/15 19:06	10
Fensulfothion	210	U	300	210	99	ug/Kg	☼	11/05/15 19:06	10
Fenthion	400	U	400	400	110	ug/Kg	☼	11/05/15 19:06	10
Malathion	210	U	180	210	56	ug/Kg	☼	11/05/15 19:06	10
Merphos	210	U	370	210	63	ug/Kg	☼	11/05/15 19:06	10
Methyl parathion	210	U	240	210	78	ug/Kg	☼	11/05/15 19:06	10
Mevinphos	210	U	180	210	56	ug/Kg	☼	11/05/15 19:06	10
Phorate	210	U	240	210	69	ug/Kg	☼	11/05/15 19:06	10

Client Sample ID: AOPCC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-22

Matrix: Solid
Percent Solids: 81.4

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phosmet	820	U	820	820	230	ug/Kg	☼	11/05/15 19:06	10
Propazine	400	U	820	400	110	ug/Kg	☼	11/05/15 19:06	10
Ronnel	400	U	560	400	180	ug/Kg	☼	11/05/15 19:06	10
Simazine	820	U	820	820	270	ug/Kg	☼	11/05/15 19:06	10
Tetrachlorvinphos (Stirophos)	210	U	180	210	53	ug/Kg	☼	11/05/15 19:06	10
Sulfotepp	210	U	240	210	76	ug/Kg	☼	11/05/15 19:06	10
Thionazin	210	U	220	210	68	ug/Kg	☼	11/05/15 19:06	10
Tokuthion	97	U	240	97	48	ug/Kg	☼	11/05/15 19:06	10
Trichloronate	210	U	240	210	76	ug/Kg	☼	11/05/15 19:06	10
o,o',o''-Triethylphosphorothioate	210	U	470	210	96	ug/Kg	☼	11/05/15 19:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*78*	*D*	*47 - 161*	*10/24/15 11:05*	*11/05/15 19:06*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8200	U	8500	8200	2700	ug/Kg	☼	10/29/15 19:59	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*80*	*D*	*47 - 161*	*10/24/15 11:05*	*10/29/15 19:59*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.061	U	0.10	0.061	0.061	mg/Kg	☼	10/24/15 13:17	10
Dalapon	0.098	U	1.2	0.098	0.036	mg/Kg	☼	10/24/15 13:17	10
2,4-DB	0.061	U Q	0.10	0.061	0.037	mg/Kg	☼	10/24/15 13:17	10
Dicamba	0.061	U	0.10	0.061	0.023	mg/Kg	☼	10/24/15 13:17	10
Dichlorprop	0.025	U	0.10	0.025	0.013	mg/Kg	☼	10/24/15 13:17	10
Dinoseb	0.061	U	0.61	0.061	0.056	mg/Kg	☼	10/24/15 13:17	10
MCPA	5.9	U	25	5.9	2.3	mg/Kg	☼	10/24/15 13:17	10
MCPP	5.9	U	25	5.9	2.1	mg/Kg	☼	10/24/15 13:17	10
Pentachlorophenol	0.012	U	0.10	0.012	0.0051	mg/Kg	☼	10/24/15 13:17	10
Silvex (2,4,5-TP)	0.061	U	0.10	0.061	0.020	mg/Kg	☼	10/24/15 13:17	10
2,4,5-T	0.061	U	0.10	0.061	0.028	mg/Kg	☼	10/24/15 13:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 13:17*	*10*

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid
Percent Solids: 85.4

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.57	mg/Kg	☼	10/25/15 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*174*	*Q*	*68 - 134*	*10/25/15 12:00*	*10/25/15 17:51*	*1*

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid
Percent Solids: 85.4

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180	U	190	180	120	mg/Kg	☼	10/27/15 23:03	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/27/15 23:03	10
JP-4 Fuel	390	U	390	390	390	mg/Kg	☼	10/27/15 23:03	10
JP-5	190	U	190	190	190	mg/Kg	☼	10/27/15 23:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/27/15 23:03*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.066	U	0.31	0.066	0.027	mg/Kg	☼	10/28/15 20:41	50
alpha-BHC	0.066	U	0.31	0.066	0.025	mg/Kg	☼	10/28/15 20:41	50
alpha-Chlordane	0.066	U	0.31	0.066	0.032	mg/Kg	☼	10/28/15 20:41	50
beta-BHC	0.13	U	0.31	0.13	0.059	mg/Kg	☼	10/28/15 20:41	50
Chlordane (technical)	1.2	U	3.1	1.2	0.52	mg/Kg	☼	10/28/15 20:41	50
Chlorobenzilate	10	U	18	10	4.3	mg/Kg	☼	10/28/15 20:41	50
4,4'-DDD	0.066	U	0.31	0.066	0.032	mg/Kg	☼	10/28/15 20:41	50
4,4'-DDE	**0.11**	**J D**	0.31	0.066	0.032	mg/Kg	☼	10/28/15 20:41	50
4,4'-DDT	0.090	U	0.31	0.090	0.040	mg/Kg	☼	10/28/15 20:41	50
delta-BHC	0.090	U	0.31	0.090	0.034	mg/Kg	☼	10/28/15 20:41	50
Dieldrin	0.066	U	0.31	0.066	0.031	mg/Kg	☼	10/28/15 20:41	50
Endosulfan I	0.066	U	0.31	0.066	0.031	mg/Kg	☼	10/28/15 20:41	50
Endosulfan II	0.066	U	0.31	0.066	0.027	mg/Kg	☼	10/28/15 20:41	50
Endosulfan sulfate	0.090	U	0.31	0.090	0.038	mg/Kg	☼	10/28/15 20:41	50
Endrin	0.090	U	0.31	0.090	0.040	mg/Kg	☼	10/28/15 20:41	50
Endrin aldehyde	0.090	U	0.31	0.090	0.040	mg/Kg	☼	10/28/15 20:41	50
Endrin ketone	0.090	U	0.31	0.090	0.036	mg/Kg	☼	10/28/15 20:41	50
gamma-BHC (Lindane)	0.066	U	0.31	0.066	0.025	mg/Kg	☼	10/28/15 20:41	50
gamma-Chlordane	0.066	U	0.31	0.066	0.032	mg/Kg	☼	10/28/15 20:41	50
Heptachlor	0.090	U	0.31	0.090	0.034	mg/Kg	☼	10/28/15 20:41	50
Heptachlor epoxide	0.066	U	0.31	0.066	0.029	mg/Kg	☼	10/28/15 20:41	50
Isodrin	0.17	U	0.31	0.17	0.061	mg/Kg	☼	10/28/15 20:41	50
Kepone	6.3	U	18	6.3	2.3	mg/Kg	☼	10/28/15 20:41	50
Methoxychlor	0.13	U	0.31	0.13	0.050	mg/Kg	☼	10/28/15 20:41	50
PCB-1016	4.1	U	5.9	4.1	2.0	mg/Kg	☼	10/28/15 20:41	50
PCB-1221	5.4	U	5.9	5.4	2.7	mg/Kg	☼	10/28/15 20:41	50
PCB-1232	2.3	U	5.9	2.3	0.93	mg/Kg	☼	10/28/15 20:41	50
PCB-1242	2.3	U	5.9	2.3	0.90	mg/Kg	☼	10/28/15 20:41	50
PCB-1248	3.6	U	5.9	3.6	1.5	mg/Kg	☼	10/28/15 20:41	50
PCB-1254	5.4	U	5.9	5.4	1.8	mg/Kg	☼	10/28/15 20:41	50
PCB-1260	4.1	U	5.9	4.1	1.7	mg/Kg	☼	10/28/15 20:41	50
Toxaphene	2.3	U	31	2.3	0.99	mg/Kg	☼	10/28/15 20:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/28/15 20:41*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/28/15 20:41*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	770	380	140	ug/Kg	☼	11/05/15 19:36	10

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid
Percent Solids: 85.4

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Azinphos-ethyl	380	U	380	380	99	ug/Kg	☼	11/05/15 19:36	10
Azinphos-methyl	92	U	150	92	40	ug/Kg	☼	11/05/15 19:36	10
Bolstar	190	U	150	190	49	ug/Kg	☼	11/05/15 19:36	10
Chlorpyrifos	190	U	230	190	74	ug/Kg	☼	11/05/15 19:36	10
Coumaphos	92	U	150	92	32	ug/Kg	☼	11/05/15 19:36	10
Demeton-O	260	U	450	260	61	ug/Kg	☼	11/05/15 19:36	10
Demeton-S	110	U	170	110	56	ug/Kg	☼	11/05/15 19:36	10
Demeton, Total	190	U	450	190	86	ug/Kg	☼	11/05/15 19:36	10
Diazinon	190	U	250	190	83	ug/Kg	☼	11/05/15 19:36	10
Dichlorvos	190	U	260	190	85	ug/Kg	☼	11/05/15 19:36	10
Dimethoate	190	U	250	190	81	ug/Kg	☼	11/05/15 19:36	10
Disulfoton	190	U	550	190	88	ug/Kg	☼	11/05/15 19:36	10
EPN	92	U	150	92	42	ug/Kg	☼	11/05/15 19:36	10
Mocap	190	U	170	190	56	ug/Kg	☼	11/05/15 19:36	10
Ethyl Parathion	190	U	210	190	61	ug/Kg	☼	11/05/15 19:36	10
Famphur	92	U	150	92	37	ug/Kg	☼	11/05/15 19:36	10
Fensulfothion	190	U	290	190	93	ug/Kg	☼	11/05/15 19:36	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/05/15 19:36	10
Malathion	190	U	170	190	53	ug/Kg	☼	11/05/15 19:36	10
Merphos	190	U	340	190	59	ug/Kg	☼	11/05/15 19:36	10
Methyl parathion	190	U	230	190	73	ug/Kg	☼	11/05/15 19:36	10
Mevinphos	190	U	170	190	53	ug/Kg	☼	11/05/15 19:36	10
Phorate	190	U	230	190	65	ug/Kg	☼	11/05/15 19:36	10
Phosmet	770	U	770	770	220	ug/Kg	☼	11/05/15 19:36	10
Propazine	380	U	770	380	99	ug/Kg	☼	11/05/15 19:36	10
Ronnel	380	U	530	380	170	ug/Kg	☼	11/05/15 19:36	10
Simazine	770	U	770	770	250	ug/Kg	☼	11/05/15 19:36	10
Tetrachlorvinphos (Stirophos)	190	U	170	190	50	ug/Kg	☼	11/05/15 19:36	10
Sulfotepp	190	U	230	190	72	ug/Kg	☼	11/05/15 19:36	10
Thionazin	190	U	210	190	64	ug/Kg	☼	11/05/15 19:36	10
Tokuthion	92	U	230	92	45	ug/Kg	☼	11/05/15 19:36	10
Trichloronate	190	U	230	190	72	ug/Kg	☼	11/05/15 19:36	10
o,o',o''-Triethylphosphorothioate	190	U	450	190	90	ug/Kg	☼	11/05/15 19:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*68*	*D*	*47 - 161*	*10/24/15 11:05*	*11/05/15 19:36*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7700	U	8000	7700	2600	ug/Kg	☼	10/29/15 20:24	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*70*	*D*	*47 - 161*	*10/24/15 11:05*	*10/29/15 20:24*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.058	U	0.097	0.058	0.058	mg/Kg	☼	10/24/15 13:35	10
Dalapon	0.094	U	1.2	0.094	0.034	mg/Kg	☼	10/24/15 13:35	10
2,4-DB	0.058	U Q	0.097	0.058	0.035	mg/Kg	☼	10/24/15 13:35	10
Dicamba	0.058	U	0.097	0.058	0.022	mg/Kg	☼	10/24/15 13:35	10

Client Sample ID: AOPSC901

Lab Sample ID: 680-117942-23
Date Collected: 10/11/15 14:45
Matrix: Solid
Date Received: 10/17/15 09:55
Percent Solids: 85.4

Method: 8151A DOD - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dichlorprop	0.023	U	0.097	0.023	0.013	mg/Kg	☼	10/24/15 13:35	10
Dinoseb	0.058	U	0.58	0.058	0.054	mg/Kg	☼	10/24/15 13:35	10
MCPA	5.6	U	23	5.6	2.2	mg/Kg	☼	10/24/15 13:35	10
MCPP	5.6	U	23	5.6	2.0	mg/Kg	☼	10/24/15 13:35	10
Pentachlorophenol	0.012	U	0.097	0.012	0.0049	mg/Kg	☼	10/24/15 13:35	10
Silvex (2,4,5-TP)	0.058	U	0.097	0.058	0.019	mg/Kg	☼	10/24/15 13:35	10
2,4,5-T	0.058	U	0.097	0.058	0.027	mg/Kg	☼	10/24/15 13:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 13:35*	*10*

Client Sample ID: AOPSE401

Lab Sample ID: 680-117942-24
Date Collected: 10/10/15 17:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.1

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.51	mg/Kg	☼	10/24/15 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*68 - 134*	*10/24/15 10:00*	*10/24/15 13:05*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	90	U	99	90	63	mg/Kg	☼	10/27/15 23:18	5
Oil Range Organics (C20-C36)	600	U	600	600	600	mg/Kg	☼	10/27/15 23:18	5
JP-4 Fuel	200	U	200	200	200	mg/Kg	☼	10/27/15 23:18	5
JP-5	99	U	99	99	99	mg/Kg	☼	10/27/15 23:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/27/15 23:18*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0014	U	0.0064	0.0014	0.00056	mg/Kg	☼	10/31/15 19:48	1
alpha-BHC	0.0014	U	0.0064	0.0014	0.00053	mg/Kg	☼	10/31/15 19:48	1
alpha-Chlordane	0.0014	U	0.0064	0.0014	0.00068	mg/Kg	☼	10/31/15 19:48	1
beta-BHC	0.0027	U	0.0064	0.0027	0.0012	mg/Kg	☼	10/31/15 19:48	1
Chlordane (technical)	0.025	U	0.064	0.025	0.011	mg/Kg	☼	10/31/15 19:48	1
Chlorobenzilate	0.22	U Q	0.38	0.22	0.090	mg/Kg	☼	10/31/15 19:48	1
4,4'-DDD	0.0014	U	0.0064	0.0014	0.00068	mg/Kg	☼	10/31/15 19:48	1
4,4'-DDE	0.0014	U	0.0064	0.0014	0.00068	mg/Kg	☼	10/31/15 19:48	1
4,4'-DDT	0.0019	U	0.0064	0.0019	0.00083	mg/Kg	☼	10/31/15 19:48	1
delta-BHC	0.0019	U	0.0064	0.0019	0.00071	mg/Kg	☼	10/31/15 19:48	1
Dieldrin	0.0014	U	0.0064	0.0014	0.00064	mg/Kg	☼	10/31/15 19:48	1
Endosulfan I	0.0014	U	0.0064	0.0014	0.00064	mg/Kg	☼	10/31/15 19:48	1
Endosulfan II	0.0014	U	0.0064	0.0014	0.00056	mg/Kg	☼	10/31/15 19:48	1
Endosulfan sulfate	0.0019	U	0.0064	0.0019	0.00079	mg/Kg	☼	10/31/15 19:48	1
Endrin	0.0019	U	0.0064	0.0019	0.00083	mg/Kg	☼	10/31/15 19:48	1
Endrin aldehyde	0.0019	U	0.0064	0.0019	0.00083	mg/Kg	☼	10/31/15 19:48	1
Endrin ketone	0.0019	U	0.0064	0.0019	0.00075	mg/Kg	☼	10/31/15 19:48	1

Client Sample ID: AOPSE401
Date Collected: 10/10/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-24
Matrix: Solid
Percent Solids: 81.1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0014	U	0.0064	0.0014	0.00053	mg/Kg	☼	10/31/15 19:48	1
gamma-Chlordane	0.0014	U	0.0064	0.0014	0.00068	mg/Kg	☼	10/31/15 19:48	1
Heptachlor	0.0019	U	0.0064	0.0019	0.00071	mg/Kg	☼	10/31/15 19:48	1
Heptachlor epoxide	0.0014	U	0.0064	0.0014	0.00060	mg/Kg	☼	10/31/15 19:48	1
Isodrin	0.0035	U	0.0064	0.0035	0.0013	mg/Kg	☼	10/31/15 19:48	1
Kepone	0.13	U Q	0.38	0.13	0.049	mg/Kg	☼	10/31/15 19:48	1
Methoxychlor	0.0027	U	0.0064	0.0027	0.0011	mg/Kg	☼	10/31/15 19:48	1
PCB-1016	0.086	U	0.12	0.086	0.041	mg/Kg	☼	10/31/15 19:48	1
PCB-1221	0.11	U	0.12	0.11	0.056	mg/Kg	☼	10/31/15 19:48	1
PCB-1232	0.049	U	0.12	0.049	0.020	mg/Kg	☼	10/31/15 19:48	1
PCB-1242	0.049	U	0.12	0.049	0.019	mg/Kg	☼	10/31/15 19:48	1
PCB-1248	0.075	U	0.12	0.075	0.031	mg/Kg	☼	10/31/15 19:48	1
PCB-1254	0.11	U	0.12	0.11	0.038	mg/Kg	☼	10/31/15 19:48	1
PCB-1260	0.086	U	0.12	0.086	0.036	mg/Kg	☼	10/31/15 19:48	1
Toxaphene	0.049	U	0.64	0.049	0.021	mg/Kg	☼	10/31/15 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*44 - 129*	*10/22/15 09:33*	*10/31/15 19:48*	*1*
Tetrachloro-m-xylene	*79*		*46 - 130*	*10/22/15 09:33*	*10/31/15 19:48*	*1*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	410	U	830	410	150	ug/Kg	☼	10/28/15 20:30	10
Azinphos-ethyl	410	U	410	410	110	ug/Kg	☼	10/28/15 20:30	10
Azinphos-methyl	99	U	160	99	43	ug/Kg	☼	10/28/15 20:30	10
Bolstar	210	U	160	210	52	ug/Kg	☼	10/28/15 20:30	10
Chlorpyrifos	210	U	250	210	80	ug/Kg	☼	10/28/15 20:30	10
Coumaphos	99	U	160	99	35	ug/Kg	☼	10/28/15 20:30	10
Demeton-O	280	U	480	280	65	ug/Kg	☼	10/28/15 20:30	10
Demeton-S	120	U	180	120	60	ug/Kg	☼	10/28/15 20:30	10
Demeton, Total	210	U	480	210	93	ug/Kg	☼	10/28/15 20:30	10
Diazinon	210	U	270	210	90	ug/Kg	☼	10/28/15 20:30	10
Dichlorvos	210	U Q	280	210	91	ug/Kg	☼	10/28/15 20:30	10
Dimethoate	210	U	270	210	87	ug/Kg	☼	10/28/15 20:30	10
Disulfoton	210	U	590	210	95	ug/Kg	☼	10/28/15 20:30	10
EPN	99	U	160	99	45	ug/Kg	☼	10/28/15 20:30	10
Mocap	210	U	180	210	61	ug/Kg	☼	10/28/15 20:30	10
Ethyl Parathion	210	U	220	210	65	ug/Kg	☼	10/28/15 20:30	10
Famphur	99	U	160	99	40	ug/Kg	☼	10/28/15 20:30	10
Fensulfothion	210	U	310	210	100	ug/Kg	☼	10/28/15 20:30	10
Fenthion	410	U	410	410	110	ug/Kg	☼	10/28/15 20:30	10
Malathion	210	U	180	210	57	ug/Kg	☼	10/28/15 20:30	10
Merphos	210	U	370	210	63	ug/Kg	☼	10/28/15 20:30	10
Methyl parathion	210	U	250	210	79	ug/Kg	☼	10/28/15 20:30	10
Mevinphos	210	U	180	210	57	ug/Kg	☼	10/28/15 20:30	10
Phorate	210	U	250	210	70	ug/Kg	☼	10/28/15 20:30	10
Phosmet	830	U	830	830	240	ug/Kg	☼	10/28/15 20:30	10
Propazine	410	U	830	410	110	ug/Kg	☼	10/28/15 20:30	10
Ronnel	410	U	570	410	190	ug/Kg	☼	10/28/15 20:30	10
Simazine	830	U	830	830	270	ug/Kg	☼	10/28/15 20:30	10

Client Sample ID: AOPSE401

Date Collected: 10/10/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-24

Matrix: Solid
Percent Solids: 81.1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Tetrachlorvinphos (Stirophos)	210	U	180	210	54	ug/Kg	☼	10/28/15 20:30	10
Sulfotepp	210	U	250	210	77	ug/Kg	☼	10/28/15 20:30	10
Thionazin	210	U	220	210	69	ug/Kg	☼	10/28/15 20:30	10
Tokuthion	99	U	250	99	48	ug/Kg	☼	10/28/15 20:30	10
Trichloronate	210	U	250	210	77	ug/Kg	☼	10/28/15 20:30	10
o,o',o''-Triethylphosphorothioate	210	U	480	210	97	ug/Kg	☼	10/28/15 20:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*103*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 20:30*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8300	U	8600	8300	2800	ug/Kg	☼	10/28/15 02:52	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*129*	*D*	*47 - 161*	*10/24/15 12:30*	*10/28/15 02:52*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0061	U	0.010	0.0061	0.0061	mg/Kg	☼	10/24/15 09:20	1
Dalapon	0.0098	U	0.12	0.0098	0.0036	mg/Kg	☼	10/24/15 09:20	1
2,4-DB	0.0061	U Q	0.010	0.0061	0.0037	mg/Kg	☼	10/24/15 09:20	1
Dicamba	0.0061	U	0.010	0.0061	0.0023	mg/Kg	☼	10/24/15 09:20	1
Dichlorprop	0.0025	U	0.010	0.0025	0.0013	mg/Kg	☼	10/24/15 09:20	1
Dinoseb	0.0061	U	0.061	0.0061	0.0056	mg/Kg	☼	10/24/15 09:20	1
MCPA	0.59	U	2.5	0.59	0.23	mg/Kg	☼	10/24/15 09:20	1
MCPP	0.59	U	2.5	0.59	0.21	mg/Kg	☼	10/24/15 09:20	1
Pentachlorophenol	0.0012	U	0.010	0.0012	0.00052	mg/Kg	☼	10/24/15 09:20	1
Silvex (2,4,5-TP)	0.0061	U	0.010	0.0061	0.0020	mg/Kg	☼	10/24/15 09:20	1
2,4,5-T	0.0061	U	0.010	0.0061	0.0028	mg/Kg	☼	10/24/15 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*59*		*27 - 122*	*10/22/15 08:22*	*10/24/15 09:20*	*1*

Client Sample ID: AOPSB701

Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25

Matrix: Solid
Percent Solids: 90.8

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.52	mg/Kg	☼	10/25/15 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*127*		*68 - 134*	*10/25/15 12:00*	*10/25/15 18:14*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	82	U	90	82	57	mg/Kg	☼	10/27/15 23:33	5
Oil Range Organics (C20-C36)	550	U	550	550	550	mg/Kg	☼	10/27/15 23:33	5
JP-4 Fuel	180	U	180	180	180	mg/Kg	☼	10/27/15 23:33	5
JP-5	90	U	90	90	90	mg/Kg	☼	10/27/15 23:33	5

Client Sample ID: AOPSB701
Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25
Matrix: Solid
Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	0	D	45 - 130	10/22/15 10:48	10/27/15 23:33	5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0061	U	0.028	0.0061	0.0025	mg/Kg	☼	10/28/15 20:57	5
alpha-BHC	0.0061	U	0.028	0.0061	0.0023	mg/Kg	☼	10/28/15 20:57	5
alpha-Chlordane	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/28/15 20:57	5
beta-BHC	0.012	U	0.028	0.012	0.0055	mg/Kg	☼	10/28/15 20:57	5
Chlordane (technical)	0.11	U	0.28	0.11	0.048	mg/Kg	☼	10/28/15 20:57	5
Chlorobenzilate	0.96	U	1.7	0.96	0.40	mg/Kg	☼	10/28/15 20:57	5
4,4'-DDD	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/28/15 20:57	5
4,4'-DDE	**0.0071**	**J D**	0.028	0.0061	0.0030	mg/Kg	☼	10/28/15 20:57	5
4,4'-DDT	**0.0057**	**J D**	0.028	0.0083	0.0036	mg/Kg	☼	10/28/15 20:57	5
delta-BHC	0.0083	U	0.028	0.0083	0.0031	mg/Kg	☼	10/28/15 20:57	5
Dieldrin	0.0061	U	0.028	0.0061	0.0028	mg/Kg	☼	10/28/15 20:57	5
Endosulfan I	0.0061	U	0.028	0.0061	0.0028	mg/Kg	☼	10/28/15 20:57	5
Endosulfan II	0.0061	U	0.028	0.0061	0.0025	mg/Kg	☼	10/28/15 20:57	5
Endosulfan sulfate	0.0083	U	0.028	0.0083	0.0035	mg/Kg	☼	10/28/15 20:57	5
Endrin	0.0083	U	0.028	0.0083	0.0036	mg/Kg	☼	10/28/15 20:57	5
Endrin aldehyde	0.0083	U	0.028	0.0083	0.0036	mg/Kg	☼	10/28/15 20:57	5
Endrin ketone	0.0083	U	0.028	0.0083	0.0033	mg/Kg	☼	10/28/15 20:57	5
gamma-BHC (Lindane)	0.0061	U	0.028	0.0061	0.0023	mg/Kg	☼	10/28/15 20:57	5
gamma-Chlordane	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/28/15 20:57	5
Heptachlor	0.0083	U	0.028	0.0083	0.0031	mg/Kg	☼	10/28/15 20:57	5
Heptachlor epoxide	0.0061	U	0.028	0.0061	0.0026	mg/Kg	☼	10/28/15 20:57	5
Isodrin	0.015	U	0.028	0.015	0.0056	mg/Kg	☼	10/28/15 20:57	5
Kepone	0.58	U	1.7	0.58	0.22	mg/Kg	☼	10/28/15 20:57	5
Methoxychlor	0.012	U	0.028	0.012	0.0046	mg/Kg	☼	10/28/15 20:57	5
PCB-1016	0.38	U	0.55	0.38	0.18	mg/Kg	☼	10/28/15 20:57	5
PCB-1221	0.50	U	0.55	0.50	0.25	mg/Kg	☼	10/28/15 20:57	5
PCB-1232	0.22	U	0.55	0.22	0.086	mg/Kg	☼	10/28/15 20:57	5
PCB-1242	0.22	U	0.55	0.22	0.083	mg/Kg	☼	10/28/15 20:57	5
PCB-1248	0.33	U	0.55	0.33	0.14	mg/Kg	☼	10/28/15 20:57	5
PCB-1254	0.50	U	0.55	0.50	0.17	mg/Kg	☼	10/28/15 20:57	5
PCB-1260	0.38	U	0.55	0.38	0.16	mg/Kg	☼	10/28/15 20:57	5
Toxaphene	0.22	U	2.8	0.22	0.091	mg/Kg	☼	10/28/15 20:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		44 - 129	10/22/15 09:33	10/28/15 20:57	5
Tetrachloro-m-xylene	77		46 - 130	10/22/15 09:33	10/28/15 20:57	5

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	340	U	680	340	120	ug/Kg	☼	11/05/15 20:07	10
Azinphos-ethyl	340	U	340	340	88	ug/Kg	☼	11/05/15 20:07	10
Azinphos-methyl	81	U	130	81	36	ug/Kg	☼	11/05/15 20:07	10
Bolstar	170	U	130	170	43	ug/Kg	☼	11/05/15 20:07	10
Chlorpyrifos	170	U	200	170	66	ug/Kg	☼	11/05/15 20:07	10
Coumaphos	81	U	130	81	28	ug/Kg	☼	11/05/15 20:07	10
Demeton-O	230	U	400	230	54	ug/Kg	☼	11/05/15 20:07	10
Demeton-S	100	U	150	100	49	ug/Kg	☼	11/05/15 20:07	10

Client Sample ID: AOPSB701

Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25

Matrix: Solid
Percent Solids: 90.8

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Demeton, Total	170	U	400	170	76	ug/Kg	☼	11/05/15 20:07	10
Diazinon	170	U	220	170	74	ug/Kg	☼	11/05/15 20:07	10
Dichlorvos	170	U	230	170	75	ug/Kg	☼	11/05/15 20:07	10
Dimethoate	170	U	220	170	72	ug/Kg	☼	11/05/15 20:07	10
Disulfoton	170	U	490	170	79	ug/Kg	☼	11/05/15 20:07	10
EPN	81	U	130	81	37	ug/Kg	☼	11/05/15 20:07	10
Mocap	170	U	150	170	50	ug/Kg	☼	11/05/15 20:07	10
Ethyl Parathion	170	U	180	170	54	ug/Kg	☼	11/05/15 20:07	10
Famphur	81	U	130	81	33	ug/Kg	☼	11/05/15 20:07	10
Fensulfothion	170	U	250	170	83	ug/Kg	☼	11/05/15 20:07	10
Fenthion	340	U	340	340	89	ug/Kg	☼	11/05/15 20:07	10
Malathion	170	U	150	170	47	ug/Kg	☼	11/05/15 20:07	10
Merphos	170	U	300	170	52	ug/Kg	☼	11/05/15 20:07	10
Methyl parathion	170	U	200	170	65	ug/Kg	☼	11/05/15 20:07	10
Mevinphos	170	U	150	170	47	ug/Kg	☼	11/05/15 20:07	10
Phorate	170	U	200	170	58	ug/Kg	☼	11/05/15 20:07	10
Phosmet	680	U	680	680	200	ug/Kg	☼	11/05/15 20:07	10
Propazine	340	U	680	340	88	ug/Kg	☼	11/05/15 20:07	10
Ronnel	340	U	470	340	150	ug/Kg	☼	11/05/15 20:07	10
Simazine	680	U	680	680	220	ug/Kg	☼	11/05/15 20:07	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	44	ug/Kg	☼	11/05/15 20:07	10
Sulfotepp	170	U	200	170	64	ug/Kg	☼	11/05/15 20:07	10
Thionazin	170	U	180	170	57	ug/Kg	☼	11/05/15 20:07	10
Tokuthion	81	U	200	81	40	ug/Kg	☼	11/05/15 20:07	10
Trichloronate	170	U	200	170	64	ug/Kg	☼	11/05/15 20:07	10
o,o',o''-Triethylphosphorothioate	170	U	400	170	80	ug/Kg	☼	11/05/15 20:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*96*	*D*	*47 - 161*	*10/24/15 11:05*	*11/05/15 20:07*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6800	U	7100	6800	2300	ug/Kg	☼	10/29/15 20:49	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*100*	*D*	*47 - 161*	*10/24/15 11:05*	*10/29/15 20:49*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.027	U	0.045	0.027	0.027	mg/Kg	☼	10/24/15 09:38	5
Dalapon	0.044	U	0.55	0.044	0.016	mg/Kg	☼	10/24/15 09:38	5
2,4-DB	0.027	U Q	0.045	0.027	0.016	mg/Kg	☼	10/24/15 09:38	5
Dicamba	0.027	U	0.045	0.027	0.010	mg/Kg	☼	10/24/15 09:38	5
Dichlorprop	0.011	U	0.045	0.011	0.0060	mg/Kg	☼	10/24/15 09:38	5
Dinoseb	0.027	U	0.27	0.027	0.025	mg/Kg	☼	10/24/15 09:38	5
MCPA	2.6	U	11	2.6	1.0	mg/Kg	☼	10/24/15 09:38	5
MCPP	2.6	U	11	2.6	0.93	mg/Kg	☼	10/24/15 09:38	5
Pentachlorophenol	0.0055	U	0.045	0.0055	0.0023	mg/Kg	☼	10/24/15 09:38	5
Silvex (2,4,5-TP)	0.027	U	0.045	0.027	0.0088	mg/Kg	☼	10/24/15 09:38	5
2,4,5-T	0.027	U	0.045	0.027	0.013	mg/Kg	☼	10/24/15 09:38	5

Client Sample ID: AOPSB701

Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25

Matrix: Solid
Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	65		27 - 122	10/22/15 08:22	10/24/15 09:38	5

Client Sample ID: AOPSD901

Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26

Matrix: Solid
Percent Solids: 66.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.7	U	1.7	1.7	0.67	mg/Kg	☼	10/25/15 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	137	Q	68 - 134	10/25/15 12:00	10/25/15 20:11	1

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	230	U	250	230	160	mg/Kg	☼	10/27/15 23:47	10
Oil Range Organics (C20-C36)	1500	U	1500	1500	1500	mg/Kg	☼	10/27/15 23:47	10
JP-4 Fuel	510	U	510	510	510	mg/Kg	☼	10/27/15 23:47	10
JP-5	250	U	250	250	250	mg/Kg	☼	10/27/15 23:47	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	0	D	45 - 130	10/22/15 10:48	10/27/15 23:47	10

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.083	U	0.38	0.083	0.034	mg/Kg	☼	10/28/15 21:12	50
alpha-BHC	0.083	U	0.38	0.083	0.031	mg/Kg	☼	10/28/15 21:12	50
alpha-Chlordane	0.083	U	0.38	0.083	0.040	mg/Kg	☼	10/28/15 21:12	50
beta-BHC	0.16	U	0.38	0.16	0.074	mg/Kg	☼	10/28/15 21:12	50
Chlordane (technical)	1.5	U	3.8	1.5	0.65	mg/Kg	☼	10/28/15 21:12	50
Chlorobenzilate	13	U	22	13	5.4	mg/Kg	☼	10/28/15 21:12	50
4,4'-DDD	0.083	U	0.38	0.083	0.040	mg/Kg	☼	10/28/15 21:12	50
4,4'-DDE	**0.16**	**D J**	0.38	0.083	0.040	mg/Kg	☼	10/28/15 21:12	50
4,4'-DDT	**0.081**	**D J**	0.38	0.11	0.049	mg/Kg	☼	10/28/15 21:12	50
delta-BHC	0.11	U	0.38	0.11	0.042	mg/Kg	☼	10/28/15 21:12	50
Dieldrin	0.083	U	0.38	0.083	0.038	mg/Kg	☼	10/28/15 21:12	50
Endosulfan I	0.083	U	0.38	0.083	0.038	mg/Kg	☼	10/28/15 21:12	50
Endosulfan II	0.083	U	0.38	0.083	0.034	mg/Kg	☼	10/28/15 21:12	50
Endosulfan sulfate	0.11	U	0.38	0.11	0.047	mg/Kg	☼	10/28/15 21:12	50
Endrin	0.11	U	0.38	0.11	0.049	mg/Kg	☼	10/28/15 21:12	50
Endrin aldehyde	0.11	U	0.38	0.11	0.049	mg/Kg	☼	10/28/15 21:12	50
Endrin ketone	0.11	U	0.38	0.11	0.045	mg/Kg	☼	10/28/15 21:12	50
gamma-BHC (Lindane)	0.083	U	0.38	0.083	0.031	mg/Kg	☼	10/28/15 21:12	50
gamma-Chlordane	0.083	U	0.38	0.083	0.040	mg/Kg	☼	10/28/15 21:12	50
Heptachlor	0.11	U	0.38	0.11	0.042	mg/Kg	☼	10/28/15 21:12	50
Heptachlor epoxide	0.083	U	0.38	0.083	0.036	mg/Kg	☼	10/28/15 21:12	50
Isodrin	0.21	U	0.38	0.21	0.076	mg/Kg	☼	10/28/15 21:12	50
Kepone	7.8	U	22	7.8	2.9	mg/Kg	☼	10/28/15 21:12	50
Methoxychlor	0.16	U	0.38	0.16	0.063	mg/Kg	☼	10/28/15 21:12	50
PCB-1016	5.1	U	7.4	5.1	2.5	mg/Kg	☼	10/28/15 21:12	50
PCB-1221	6.7	U	7.4	6.7	3.4	mg/Kg	☼	10/28/15 21:12	50

Client Sample ID: AOPSD901

Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26

Matrix: Solid
Percent Solids: 66.7

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1232	2.9	U	7.4	2.9	1.2	mg/Kg	☼	10/28/15 21:12	50
PCB-1242	2.9	U	7.4	2.9	1.1	mg/Kg	☼	10/28/15 21:12	50
PCB-1248	4.5	U	7.4	4.5	1.8	mg/Kg	☼	10/28/15 21:12	50
PCB-1254	6.7	U	7.4	6.7	2.2	mg/Kg	☼	10/28/15 21:12	50
PCB-1260	5.1	U	7.4	5.1	2.1	mg/Kg	☼	10/28/15 21:12	50
Toxaphene	2.9	U	38	2.9	1.2	mg/Kg	☼	10/28/15 21:12	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/28/15 21:12*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/28/15 21:12*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	480	U J	970	480	170	ug/Kg	☼	11/05/15 20:37	10
Azinphos-ethyl	480	U J	480	480	120	ug/Kg	☼	11/05/15 20:37	10
Azinphos-methyl	120	U	190	120	50	ug/Kg	☼	11/05/15 20:37	10
Bolstar	250	U J	190	250	61	ug/Kg	☼	11/05/15 20:37	10
Chlorpyrifos	250	U J	290	250	93	ug/Kg	☼	11/05/15 20:37	10
Coumaphos	120	U	190	120	40	ug/Kg	☼	11/05/15 20:37	10
Demeton-O	330	U	560	330	76	ug/Kg	☼	11/05/15 20:37	10
Demeton-S	140	U	220	140	70	ug/Kg	☼	11/05/15 20:37	10
Demeton, Total	250	U J	560	250	110	ug/Kg	☼	11/05/15 20:37	10
Diazinon	250	U J	320	250	100	ug/Kg	☼	11/05/15 20:37	10
Dichlorvos	250	U	330	250	110	ug/Kg	☼	11/05/15 20:37	10
Dimethoate	250	U J	320	250	100	ug/Kg	☼	11/05/15 20:37	10
Disulfoton	250	U J	690	250	110	ug/Kg	☼	11/05/15 20:37	10
EPN	120	U	190	120	53	ug/Kg	☼	11/05/15 20:37	10
Mocap	250	U J	220	250	71	ug/Kg	☼	11/05/15 20:37	10
Ethyl Parathion	250	U J	260	250	76	ug/Kg	☼	11/05/15 20:37	10
Famphur	120	U J	190	120	46	ug/Kg	☼	11/05/15 20:37	10
Fensulfothion	250	U J	360	250	120	ug/Kg	☼	11/05/15 20:37	10
Fenthion	480	U J	480	480	130	ug/Kg	☼	11/05/15 20:37	10
Malathion	250	U J	220	250	67	ug/Kg	☼	11/05/15 20:37	10
Merphos	250	U J	430	250	74	ug/Kg	☼	11/05/15 20:37	10
Methyl parathion	250	U J	290	250	92	ug/Kg	☼	11/05/15 20:37	10
Mevinphos	250	U	220	250	67	ug/Kg	☼	11/05/15 20:37	10
Phorate	250	U J	290	250	82	ug/Kg	☼	11/05/15 20:37	10
Phosmet	970	U	970	970	280	ug/Kg	☼	11/05/15 20:37	10
Propazine	480	U J	970	480	120	ug/Kg	☼	11/05/15 20:37	10
Ronnel	480	U	660	480	220	ug/Kg	☼	11/05/15 20:37	10
Simazine	970	U	970	970	320	ug/Kg	☼	11/05/15 20:37	10
Tetrachlorvinphos (Stirophos)	250	U J	220	250	63	ug/Kg	☼	11/05/15 20:37	10
Sulfotepp	250	U J	290	250	90	ug/Kg	☼	11/05/15 20:37	10
Thionazin	250	U J	260	250	80	ug/Kg	☼	11/05/15 20:37	10
Tokuthion	120	U	290	120	56	ug/Kg	☼	11/05/15 20:37	10
Trichloronate	250	U J	290	250	90	ug/Kg	☼	11/05/15 20:37	10
o,o',o''-Triethylphosphorothioate	250	U J	560	250	110	ug/Kg	☼	11/05/15 20:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*62*	*D*	*47 - 161*	*10/24/15 11:05*	*11/05/15 20:37*	*10*

Client Sample ID: AOPSD901

Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26

Matrix: Solid
Percent Solids: 66.7

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	9700	U	10000	9700	3300	ug/Kg	☼	10/29/15 21:14	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*65*	*D*	*47 - 161*	*10/24/15 11:05*	*10/29/15 21:14*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.075	U J	0.12	0.075	0.075	mg/Kg	☼	10/24/15 13:54	10
Dalapon	0.12	U J	1.5	0.12	0.043	mg/Kg	☼	10/24/15 13:54	10
2,4-DB	0.075	U Q J	0.12	0.075	0.045	mg/Kg	☼	10/24/15 13:54	10
Dicamba	0.075	U J	0.12	0.075	0.028	mg/Kg	☼	10/24/15 13:54	10
Dichlorprop	0.030	U J	0.12	0.030	0.016	mg/Kg	☼	10/24/15 13:54	10
Dinoseb	0.075	U J	0.75	0.075	0.069	mg/Kg	☼	10/24/15 13:54	10
MCPA	7.2	U J	30	7.2	2.8	mg/Kg	☼	10/24/15 13:54	10
MCPP	7.2	U J	30	7.2	2.5	mg/Kg	☼	10/24/15 13:54	10
Pentachlorophenol	**0.015**	**D J**	0.12	0.015	0.0063	mg/Kg	☼	10/24/15 13:54	10
Silvex (2,4,5-TP)	0.075	U J	0.12	0.075	0.024	mg/Kg	☼	10/24/15 13:54	10
2,4,5-T	0.075	U	0.12	0.075	0.034	mg/Kg	☼	10/24/15 13:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 13:54*	*10*

Client Sample ID: AOPSA601

Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27

Matrix: Solid
Percent Solids: 74.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.6	U	1.6	1.6	0.65	mg/Kg	☼	10/25/15 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*124*		*68 - 134*	*10/25/15 12:00*	*10/25/15 18:37*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	200	U	220	200	140	mg/Kg	☼	10/28/15 01:01	10
Oil Range Organics (C20-C36)	1300	U	1300	1300	1300	mg/Kg	☼	10/28/15 01:01	10
JP-4 Fuel	430	U	430	430	430	mg/Kg	☼	10/28/15 01:01	10
JP-5	220	U	220	220	220	mg/Kg	☼	10/28/15 01:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/28/15 01:01*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.037	U	0.17	0.037	0.015	mg/Kg	☼	10/28/15 21:28	25
alpha-BHC	0.037	U	0.17	0.037	0.014	mg/Kg	☼	10/28/15 21:28	25
alpha-Chlordane	0.037	U	0.17	0.037	0.018	mg/Kg	☼	10/28/15 21:28	25
beta-BHC	0.072	U	0.17	0.072	0.033	mg/Kg	☼	10/28/15 21:28	25
Chlordane (technical)	0.67	U	1.7	0.67	0.29	mg/Kg	☼	10/28/15 21:28	25
Chlorobenzilate	5.8	U	9.9	5.8	2.4	mg/Kg	☼	10/28/15 21:28	25

Client Sample ID: AOPSA601

Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27

Matrix: Solid
Percent Solids: 74.3

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.037	U	0.17	0.037	0.018	mg/Kg	☼	10/28/15 21:28	25
4,4'-DDE	**0.16**	**J D**	0.17	0.037	0.018	mg/Kg	☼	10/28/15 21:28	25
4,4'-DDT	**0.063**	**J D**	0.17	0.050	0.022	mg/Kg	☼	10/28/15 21:28	25
delta-BHC	0.050	U	0.17	0.050	0.019	mg/Kg	☼	10/28/15 21:28	25
Dieldrin	**0.029**	**J D**	0.17	0.037	0.017	mg/Kg	☼	10/28/15 21:28	25
Endosulfan I	0.037	U	0.17	0.037	0.017	mg/Kg	☼	10/28/15 21:28	25
Endosulfan II	0.037	U	0.17	0.037	0.015	mg/Kg	☼	10/28/15 21:28	25
Endosulfan sulfate	0.050	U	0.17	0.050	0.021	mg/Kg	☼	10/28/15 21:28	25
Endrin	0.050	U	0.17	0.050	0.022	mg/Kg	☼	10/28/15 21:28	25
Endrin aldehyde	0.050	U	0.17	0.050	0.022	mg/Kg	☼	10/28/15 21:28	25
Endrin ketone	0.050	U	0.17	0.050	0.020	mg/Kg	☼	10/28/15 21:28	25
gamma-BHC (Lindane)	0.037	U	0.17	0.037	0.014	mg/Kg	☼	10/28/15 21:28	25
gamma-Chlordane	0.037	U	0.17	0.037	0.018	mg/Kg	☼	10/28/15 21:28	25
Heptachlor	0.050	U	0.17	0.050	0.019	mg/Kg	☼	10/28/15 21:28	25
Heptachlor epoxide	0.037	U	0.17	0.037	0.016	mg/Kg	☼	10/28/15 21:28	25
Isodrin	0.091	U	0.17	0.091	0.034	mg/Kg	☼	10/28/15 21:28	25
Kepone	3.5	U	9.9	3.5	1.3	mg/Kg	☼	10/28/15 21:28	25
Methoxychlor	0.072	U	0.17	0.072	0.028	mg/Kg	☼	10/28/15 21:28	25
PCB-1016	2.3	U	3.3	2.3	1.1	mg/Kg	☼	10/28/15 21:28	25
PCB-1221	3.0	U	3.3	3.0	1.5	mg/Kg	☼	10/28/15 21:28	25
PCB-1232	1.3	U	3.3	1.3	0.52	mg/Kg	☼	10/28/15 21:28	25
PCB-1242	1.3	U	3.3	1.3	0.50	mg/Kg	☼	10/28/15 21:28	25
PCB-1248	2.0	U	3.3	2.0	0.81	mg/Kg	☼	10/28/15 21:28	25
PCB-1254	3.0	U	3.3	3.0	0.99	mg/Kg	☼	10/28/15 21:28	25
PCB-1260	2.3	U	3.3	2.3	0.95	mg/Kg	☼	10/28/15 21:28	25
Toxaphene	1.3	U	17	1.3	0.55	mg/Kg	☼	10/28/15 21:28	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/28/15 21:28*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/28/15 21:28*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	420	U	850	420	150	ug/Kg	☼	11/05/15 21:08	10
Azinphos-ethyl	420	U	420	420	110	ug/Kg	☼	11/05/15 21:08	10
Azinphos-methyl	100	U	160	100	44	ug/Kg	☼	11/05/15 21:08	10
Bolstar	220	U	160	220	54	ug/Kg	☼	11/05/15 21:08	10
Chlorpyrifos	220	U	250	220	82	ug/Kg	☼	11/05/15 21:08	10
Coumaphos	100	U	160	100	35	ug/Kg	☼	11/05/15 21:08	10
Demeton-O	290	U	490	290	67	ug/Kg	☼	11/05/15 21:08	10
Demeton-S	130	U	190	130	61	ug/Kg	☼	11/05/15 21:08	10
Demeton, Total	220	U	490	220	95	ug/Kg	☼	11/05/15 21:08	10
Diazinon	220	U	280	220	92	ug/Kg	☼	11/05/15 21:08	10
Dichlorvos	220	U	290	220	94	ug/Kg	☼	11/05/15 21:08	10
Dimethoate	220	U	280	220	90	ug/Kg	☼	11/05/15 21:08	10
Disulfoton	220	U	610	220	98	ug/Kg	☼	11/05/15 21:08	10
EPN	100	U	160	100	47	ug/Kg	☼	11/05/15 21:08	10
Mocap	220	U	190	220	62	ug/Kg	☼	11/05/15 21:08	10
Ethyl Parathion	220	U	230	220	67	ug/Kg	☼	11/05/15 21:08	10
Famphur	100	U	160	100	41	ug/Kg	☼	11/05/15 21:08	10

Client Sample ID: AOPSA601

Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27

Matrix: Solid
Percent Solids: 74.3

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	220	U	320	220	100	ug/Kg	☼	11/05/15 21:08	10
Fenthion	420	U	420	420	110	ug/Kg	☼	11/05/15 21:08	10
Malathion	220	U	190	220	59	ug/Kg	☼	11/05/15 21:08	10
Merphos	220	U	380	220	65	ug/Kg	☼	11/05/15 21:08	10
Methyl parathion	220	U	250	220	81	ug/Kg	☼	11/05/15 21:08	10
Mevinphos	220	U	190	220	58	ug/Kg	☼	11/05/15 21:08	10
Phorate	220	U	250	220	72	ug/Kg	☼	11/05/15 21:08	10
Phosmet	850	U	850	850	240	ug/Kg	☼	11/05/15 21:08	10
Propazine	420	U	850	420	110	ug/Kg	☼	11/05/15 21:08	10
Ronnel	420	U	580	420	190	ug/Kg	☼	11/05/15 21:08	10
Simazine	850	U	850	850	280	ug/Kg	☼	11/05/15 21:08	10
Tetrachlorvinphos (Stirophos)	220	U	190	220	55	ug/Kg	☼	11/05/15 21:08	10
Sulfotepp	220	U	250	220	79	ug/Kg	☼	11/05/15 21:08	10
Thionazin	220	U	230	220	70	ug/Kg	☼	11/05/15 21:08	10
Tokuthion	100	U	250	100	49	ug/Kg	☼	11/05/15 21:08	10
Trichloronate	220	U	250	220	79	ug/Kg	☼	11/05/15 21:08	10
o,o',o''-Triethylphosphorothioate	220	U	490	220	99	ug/Kg	☼	11/05/15 21:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*116*	*D*	*47 - 161*	*10/24/15 11:05*	*11/05/15 21:08*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8500	U	8900	8500	2900	ug/Kg	☼	10/29/15 21:39	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*136*	*D*	*47 - 161*	*10/24/15 11:05*	*10/29/15 21:39*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.067	U	0.11	0.067	0.067	mg/Kg	☼	10/24/15 09:57	10
Dalapon	0.11	U	1.3	0.11	0.039	mg/Kg	☼	10/24/15 09:57	10
2,4-DB	0.067	U Q	0.11	0.067	0.040	mg/Kg	☼	10/24/15 09:57	10
Dicamba	0.067	U	0.11	0.067	0.025	mg/Kg	☼	10/24/15 09:57	10
Dichlorprop	0.027	U	0.11	0.027	0.015	mg/Kg	☼	10/24/15 09:57	10
Dinoseb	0.067	U	0.67	0.067	0.062	mg/Kg	☼	10/24/15 09:57	10
MCPA	6.4	U	27	6.4	2.5	mg/Kg	☼	10/24/15 09:57	10
MCPP	6.4	U	27	6.4	2.3	mg/Kg	☼	10/24/15 09:57	10
Pentachlorophenol	0.013	U	0.11	0.013	0.0056	mg/Kg	☼	10/24/15 09:57	10
Silvex (2,4,5-TP)	0.067	U	0.11	0.067	0.021	mg/Kg	☼	10/24/15 09:57	10
2,4,5-T	0.067	U	0.11	0.067	0.031	mg/Kg	☼	10/24/15 09:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 09:57*	*10*

Client Sample ID: AOPSB501

Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28

Matrix: Solid
Percent Solids: 94.2

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U Q	1.2	1.2	0.48	mg/Kg	☼	10/25/15 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*147*	*Q*	*68 - 134*	*10/25/15 12:00*	*10/25/15 19:01*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U H	1.3	1.3	0.52	mg/Kg	☼	10/29/15 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*135*	*Q*	*68 - 134*	*10/29/15 00:00*	*10/29/15 03:37*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**130**	**J D**	170	160	110	mg/Kg	☼	10/28/15 01:16	10
Oil Range Organics (C20-C36)	1000	U	1000	1000	1000	mg/Kg	☼	10/28/15 01:16	10
JP-4 Fuel	350	U	350	350	350	mg/Kg	☼	10/28/15 01:16	10
JP-5	170	U	170	170	170	mg/Kg	☼	10/28/15 01:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/28/15 01:16*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.059	U	0.27	0.059	0.024	mg/Kg	☼	10/28/15 21:43	50
alpha-BHC	0.059	U	0.27	0.059	0.022	mg/Kg	☼	10/28/15 21:43	50
alpha-Chlordane	0.059	U	0.27	0.059	0.028	mg/Kg	☼	10/28/15 21:43	50
beta-BHC	0.12	U	0.27	0.12	0.052	mg/Kg	☼	10/28/15 21:43	50
Chlordane (technical)	1.1	U	2.7	1.1	0.46	mg/Kg	☼	10/28/15 21:43	50
Chlorobenzilate	9.2	U	16	9.2	3.8	mg/Kg	☼	10/28/15 21:43	50
4,4'-DDD	0.059	U	0.27	0.059	0.028	mg/Kg	☼	10/28/15 21:43	50
4,4'-DDE	0.059	U	0.27	0.059	0.028	mg/Kg	☼	10/28/15 21:43	50
4,4'-DDT	0.079	U	0.27	0.079	0.035	mg/Kg	☼	10/28/15 21:43	50
delta-BHC	0.079	U	0.27	0.079	0.030	mg/Kg	☼	10/28/15 21:43	50
Dieldrin	0.059	U	0.27	0.059	0.027	mg/Kg	☼	10/28/15 21:43	50
Endosulfan I	0.059	U	0.27	0.059	0.027	mg/Kg	☼	10/28/15 21:43	50
Endosulfan II	0.059	U	0.27	0.059	0.024	mg/Kg	☼	10/28/15 21:43	50
Endosulfan sulfate	0.079	U	0.27	0.079	0.033	mg/Kg	☼	10/28/15 21:43	50
Endrin	0.079	U	0.27	0.079	0.035	mg/Kg	☼	10/28/15 21:43	50
Endrin aldehyde	0.079	U	0.27	0.079	0.035	mg/Kg	☼	10/28/15 21:43	50
Endrin ketone	0.079	U	0.27	0.079	0.032	mg/Kg	☼	10/28/15 21:43	50
gamma-BHC (Lindane)	0.059	U	0.27	0.059	0.022	mg/Kg	☼	10/28/15 21:43	50
gamma-Chlordane	0.059	U	0.27	0.059	0.028	mg/Kg	☼	10/28/15 21:43	50
Heptachlor	0.079	U	0.27	0.079	0.030	mg/Kg	☼	10/28/15 21:43	50
Heptachlor epoxide	0.059	U	0.27	0.059	0.025	mg/Kg	☼	10/28/15 21:43	50
Isodrin	0.15	U	0.27	0.15	0.054	mg/Kg	☼	10/28/15 21:43	50
Kepone	5.5	U	16	5.5	2.1	mg/Kg	☼	10/28/15 21:43	50
Methoxychlor	0.12	U	0.27	0.12	0.044	mg/Kg	☼	10/28/15 21:43	50
PCB-1016	3.6	U	5.2	3.6	1.7	mg/Kg	☼	10/28/15 21:43	50
PCB-1221	4.7	U	5.2	4.7	2.4	mg/Kg	☼	10/28/15 21:43	50
PCB-1232	2.1	U	5.2	2.1	0.82	mg/Kg	☼	10/28/15 21:43	50

Client Sample ID: AOPSB501
Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28
Matrix: Solid
Percent Solids: 94.2

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1242	2.1	U	5.2	2.1	0.79	mg/Kg	☼	10/28/15 21:43	50
PCB-1248	3.2	U	5.2	3.2	1.3	mg/Kg	☼	10/28/15 21:43	50
PCB-1254	4.7	U	5.2	4.7	1.6	mg/Kg	☼	10/28/15 21:43	50
PCB-1260	3.6	U	5.2	3.6	1.5	mg/Kg	☼	10/28/15 21:43	50
Toxaphene	2.1	U	27	2.1	0.87	mg/Kg	☼	10/28/15 21:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/28/15 21:43*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/28/15 21:43*	*50*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	340	U	700	340	130	ug/Kg	☼	11/05/15 21:38	10
Azinphos-ethyl	340	U	340	340	90	ug/Kg	☼	11/05/15 21:38	10
Azinphos-methyl	83	U	140	83	36	ug/Kg	☼	11/05/15 21:38	10
Bolstar	180	U	140	180	44	ug/Kg	☼	11/05/15 21:38	10
Chlorpyrifos	180	U	210	180	67	ug/Kg	☼	11/05/15 21:38	10
Coumaphos	83	U	140	83	29	ug/Kg	☼	11/05/15 21:38	10
Demeton-O	240	U	410	240	55	ug/Kg	☼	11/05/15 21:38	10
Demeton-S	100	U	160	100	51	ug/Kg	☼	11/05/15 21:38	10
Demeton, Total	180	U	410	180	78	ug/Kg	☼	11/05/15 21:38	10
Diazinon	180	U	230	180	76	ug/Kg	☼	11/05/15 21:38	10
Dichlorvos	180	U	240	180	77	ug/Kg	☼	11/05/15 21:38	10
Dimethoate	180	U	230	180	74	ug/Kg	☼	11/05/15 21:38	10
Disulfoton	180	U	500	180	80	ug/Kg	☼	11/05/15 21:38	10
EPN	83	U	140	83	38	ug/Kg	☼	11/05/15 21:38	10
Mocap	180	U	160	180	51	ug/Kg	☼	11/05/15 21:38	10
Ethyl Parathion	180	U	190	180	55	ug/Kg	☼	11/05/15 21:38	10
Famphur	83	U	140	83	33	ug/Kg	☼	11/05/15 21:38	10
Fensulfothion	180	U	260	180	85	ug/Kg	☼	11/05/15 21:38	10
Fenthion	340	U	340	340	91	ug/Kg	☼	11/05/15 21:38	10
Malathion	180	U	160	180	48	ug/Kg	☼	11/05/15 21:38	10
Merphos	180	U	310	180	53	ug/Kg	☼	11/05/15 21:38	10
Methyl parathion	180	U	210	180	66	ug/Kg	☼	11/05/15 21:38	10
Phorate	180	U	210	180	59	ug/Kg	☼	11/05/15 21:38	10
Phosmet	700	U	700	700	200	ug/Kg	☼	11/05/15 21:38	10
Propazine	340	U	700	340	90	ug/Kg	☼	11/05/15 21:38	10
Ronnel	340	U	480	340	160	ug/Kg	☼	11/05/15 21:38	10
Simazine	700	U	700	700	230	ug/Kg	☼	11/05/15 21:38	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	45	ug/Kg	☼	11/05/15 21:38	10
Sulfotepp	180	U	210	180	65	ug/Kg	☼	11/05/15 21:38	10
Thionazin	180	U	190	180	58	ug/Kg	☼	11/05/15 21:38	10
Tokuthion	83	U	210	83	41	ug/Kg	☼	11/05/15 21:38	10
Trichloronate	180	U	210	180	65	ug/Kg	☼	11/05/15 21:38	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	82	ug/Kg	☼	11/05/15 21:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*38*	*D Q*	*47 - 161*	*10/24/15 11:05*	*11/05/15 21:38*	*10*

Client Sample ID: AOPSB501

Lab Sample ID: 680-117942-28
Date Collected: 10/11/15 10:15
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 94.2

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7000	U	7300	7000	2400	ug/Kg	☼	10/29/15 22:04	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*42*	*D Q*	*47 - 161*	*10/24/15 11:05*	*10/29/15 22:04*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mevinphos	180	U	160	180	48	ug/Kg	☼	11/10/15 19:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*36*	*D Q*	*47 - 161*	*10/24/15 11:05*	*11/10/15 19:50*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.053	U	0.088	0.053	0.053	mg/Kg	☼	10/24/15 14:12	10
Dalapon	0.085	U	1.1	0.085	0.031	mg/Kg	☼	10/24/15 14:12	10
2,4-DB	0.053	U Q	0.088	0.053	0.032	mg/Kg	☼	10/24/15 14:12	10
Dicamba	0.053	U	0.088	0.053	0.020	mg/Kg	☼	10/24/15 14:12	10
Dichlorprop	0.021	U	0.088	0.021	0.012	mg/Kg	☼	10/24/15 14:12	10
Dinoseb	0.053	U	0.53	0.053	0.049	mg/Kg	☼	10/24/15 14:12	10
MCPA	5.1	U	21	5.1	2.0	mg/Kg	☼	10/24/15 14:12	10
MCPP	5.1	U	21	5.1	1.8	mg/Kg	☼	10/24/15 14:12	10
Pentachlorophenol	0.011	U	0.088	0.011	0.0045	mg/Kg	☼	10/24/15 14:12	10
Silvex (2,4,5-TP)	0.053	U	0.088	0.053	0.017	mg/Kg	☼	10/24/15 14:12	10
2,4,5-T	0.053	U	0.088	0.053	0.024	mg/Kg	☼	10/24/15 14:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 14:12*	*10*

Client Sample ID: AOPSM601

Lab Sample ID: 680-117942-29
Date Collected: 10/12/15 11:45
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 89.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.49	mg/Kg	☼	10/25/15 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*125*		*68 - 134*	*10/25/15 12:00*	*10/25/15 19:24*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	U	180	170	120	mg/Kg	☼	10/31/15 22:21	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/31/15 22:21	10
JP-4 Fuel	370	U	370	370	370	mg/Kg	☼	10/31/15 22:21	10
JP-5	180	U Q	180	180	180	mg/Kg	☼	10/31/15 22:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 22:21*	*10*

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid
Percent Solids: 89.7

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.031	U	0.14	0.031	0.013	mg/Kg	☼	10/28/15 21:58	25
alpha-BHC	0.031	U	0.14	0.031	0.012	mg/Kg	☼	10/28/15 21:58	25
alpha-Chlordane	0.031	U	0.14	0.031	0.015	mg/Kg	☼	10/28/15 21:58	25
beta-BHC	0.061	U	0.14	0.061	0.028	mg/Kg	☼	10/28/15 21:58	25
Chlordane (technical)	0.56	U	1.4	0.56	0.24	mg/Kg	☼	10/28/15 21:58	25
Chlorobenzilate	4.9	U	8.4	4.9	2.0	mg/Kg	☼	10/28/15 21:58	25
4,4'-DDD	0.031	U	0.14	0.031	0.015	mg/Kg	☼	10/28/15 21:58	25
4,4'-DDE	**0.21**	**D**	0.14	0.031	0.015	mg/Kg	☼	10/28/15 21:58	25
4,4'-DDT	**0.11**	**J D**	0.14	0.042	0.018	mg/Kg	☼	10/28/15 21:58	25
delta-BHC	0.042	U	0.14	0.042	0.016	mg/Kg	☼	10/28/15 21:58	25
Dieldrin	0.031	U	0.14	0.031	0.014	mg/Kg	☼	10/28/15 21:58	25
Endosulfan I	0.031	U	0.14	0.031	0.014	mg/Kg	☼	10/28/15 21:58	25
Endosulfan II	0.031	U	0.14	0.031	0.013	mg/Kg	☼	10/28/15 21:58	25
Endosulfan sulfate	0.042	U	0.14	0.042	0.018	mg/Kg	☼	10/28/15 21:58	25
Endrin	0.042	U	0.14	0.042	0.018	mg/Kg	☼	10/28/15 21:58	25
Endrin aldehyde	0.042	U	0.14	0.042	0.018	mg/Kg	☼	10/28/15 21:58	25
Endrin ketone	0.042	U	0.14	0.042	0.017	mg/Kg	☼	10/28/15 21:58	25
gamma-BHC (Lindane)	0.031	U	0.14	0.031	0.012	mg/Kg	☼	10/28/15 21:58	25
gamma-Chlordane	0.031	U	0.14	0.031	0.015	mg/Kg	☼	10/28/15 21:58	25
Heptachlor	0.042	U	0.14	0.042	0.016	mg/Kg	☼	10/28/15 21:58	25
Heptachlor epoxide	0.031	U	0.14	0.031	0.013	mg/Kg	☼	10/28/15 21:58	25
Isodrin	0.077	U	0.14	0.077	0.028	mg/Kg	☼	10/28/15 21:58	25
Kepone	2.9	U	8.4	2.9	1.1	mg/Kg	☼	10/28/15 21:58	25
Methoxychlor	0.061	U	0.14	0.061	0.023	mg/Kg	☼	10/28/15 21:58	25
PCB-1016	1.9	U	2.8	1.9	0.92	mg/Kg	☼	10/28/15 21:58	25
PCB-1221	2.5	U	2.8	2.5	1.3	mg/Kg	☼	10/28/15 21:58	25
PCB-1232	1.1	U	2.8	1.1	0.44	mg/Kg	☼	10/28/15 21:58	25
PCB-1242	1.1	U	2.8	1.1	0.42	mg/Kg	☼	10/28/15 21:58	25
PCB-1248	1.7	U	2.8	1.7	0.69	mg/Kg	☼	10/28/15 21:58	25
PCB-1254	2.5	U	2.8	2.5	0.84	mg/Kg	☼	10/28/15 21:58	25
PCB-1260	1.9	U	2.8	1.9	0.80	mg/Kg	☼	10/28/15 21:58	25
Toxaphene	1.1	U	14	1.1	0.46	mg/Kg	☼	10/28/15 21:58	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/28/15 21:58*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/28/15 21:58*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	340	U	690	340	120	ug/Kg	☼	11/05/15 22:08	10
Azinphos-ethyl	340	U	340	340	89	ug/Kg	☼	11/05/15 22:08	10
Azinphos-methyl	82	U	130	82	36	ug/Kg	☼	11/05/15 22:08	10
Bolstar	170	U	130	170	44	ug/Kg	☼	11/05/15 22:08	10
Chlorpyrifos	170	U	210	170	66	ug/Kg	☼	11/05/15 22:08	10
Coumaphos	82	U	130	82	29	ug/Kg	☼	11/05/15 22:08	10
Demeton-O	240	U	400	240	54	ug/Kg	☼	11/05/15 22:08	10
Demeton-S	100	U	150	100	50	ug/Kg	☼	11/05/15 22:08	10
Demeton, Total	170	U	400	170	77	ug/Kg	☼	11/05/15 22:08	10
Diazinon	170	U	230	170	75	ug/Kg	☼	11/05/15 22:08	10
Dichlorvos	170	U	240	170	76	ug/Kg	☼	11/05/15 22:08	10

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid
Percent Solids: 89.7

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dimethoate	170	U	230	170	73	ug/Kg	☼	11/05/15 22:08	10
Disulfoton	170	U	490	170	80	ug/Kg	☼	11/05/15 22:08	10
EPN	82	U	130	82	38	ug/Kg	☼	11/05/15 22:08	10
Mocap	170	U	150	170	51	ug/Kg	☼	11/05/15 22:08	10
Ethyl Parathion	170	U	190	170	54	ug/Kg	☼	11/05/15 22:08	10
Famphur	82	U	130	82	33	ug/Kg	☼	11/05/15 22:08	10
Fensulfothion	170	U	260	170	84	ug/Kg	☼	11/05/15 22:08	10
Fenthion	340	U	340	340	90	ug/Kg	☼	11/05/15 22:08	10
Malathion	170	U	150	170	48	ug/Kg	☼	11/05/15 22:08	10
Merphos	170	U	310	170	53	ug/Kg	☼	11/05/15 22:08	10
Methyl parathion	170	U	210	170	66	ug/Kg	☼	11/05/15 22:08	10
Mevinphos	170	U	150	170	48	ug/Kg	☼	11/05/15 22:08	10
Phorate	170	U	210	170	59	ug/Kg	☼	11/05/15 22:08	10
Phosmet	690	U	690	690	200	ug/Kg	☼	11/05/15 22:08	10
Propazine	340	U	690	340	89	ug/Kg	☼	11/05/15 22:08	10
Ronnel	340	U	470	340	160	ug/Kg	☼	11/05/15 22:08	10
Simazine	690	U	690	690	230	ug/Kg	☼	11/05/15 22:08	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	45	ug/Kg	☼	11/05/15 22:08	10
Sulfotepp	170	U	210	170	64	ug/Kg	☼	11/05/15 22:08	10
Thionazin	170	U	190	170	57	ug/Kg	☼	11/05/15 22:08	10
Tokuthion	82	U	210	82	40	ug/Kg	☼	11/05/15 22:08	10
Trichloronate	170	U	210	170	64	ug/Kg	☼	11/05/15 22:08	10
o,o',o''-Triethylphosphorothioate	170	U	400	170	81	ug/Kg	☼	11/05/15 22:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*110*	*D*	*47 - 161*	*10/24/15 11:05*	*11/05/15 22:08*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6900	U	7200	6900	2300	ug/Kg	☼	10/29/15 22:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*109*	*D*	*47 - 161*	*10/24/15 11:05*	*10/29/15 22:29*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.028	U	0.046	0.028	0.028	mg/Kg	☼	10/24/15 10:15	5
Dalapon	0.045	U	0.56	0.045	0.016	mg/Kg	☼	10/24/15 10:15	5
2,4-DB	0.028	U Q	0.046	0.028	0.017	mg/Kg	☼	10/24/15 10:15	5
Dicamba	0.028	U	0.046	0.028	0.011	mg/Kg	☼	10/24/15 10:15	5
Dichlorprop	0.011	U	0.046	0.011	0.0061	mg/Kg	☼	10/24/15 10:15	5
Dinoseb	0.028	U	0.28	0.028	0.026	mg/Kg	☼	10/24/15 10:15	5
MCPA	2.7	U	11	2.7	1.1	mg/Kg	☼	10/24/15 10:15	5
MCPP	2.7	U	11	2.7	0.95	mg/Kg	☼	10/24/15 10:15	5
Pentachlorophenol	0.0056	U	0.046	0.0056	0.0023	mg/Kg	☼	10/24/15 10:15	5
Silvex (2,4,5-TP)	0.028	U	0.046	0.028	0.0089	mg/Kg	☼	10/24/15 10:15	5
2,4,5-T	0.028	U	0.046	0.028	0.013	mg/Kg	☼	10/24/15 10:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*86*		*27 - 122*	*10/22/15 08:22*	*10/24/15 10:15*	*5*

Client Sample ID: AOPSM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30

Matrix: Solid
Percent Solids: 79.1

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.58	mg/Kg	☼	10/25/15 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*135*	*Q*	*68 - 134*	*10/25/15 12:00*	*10/25/15 19:47*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	190	U	210	190	130	mg/Kg	☼	10/31/15 22:36	10
Oil Range Organics (C20-C36)	1300	U	1300	1300	1300	mg/Kg	☼	10/31/15 22:36	10
JP-4 Fuel	410	U	410	410	410	mg/Kg	☼	10/31/15 22:36	10
JP-5	210	U Q	210	210	210	mg/Kg	☼	10/31/15 22:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 22:36*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.035	U	0.16	0.035	0.014	mg/Kg	☼	10/28/15 22:14	25
alpha-BHC	0.035	U	0.16	0.035	0.013	mg/Kg	☼	10/28/15 22:14	25
alpha-Chlordane	**0.046**	**J D**	0.16	0.035	0.017	mg/Kg	☼	10/28/15 22:14	25
beta-BHC	0.070	U	0.16	0.070	0.031	mg/Kg	☼	10/28/15 22:14	25
Chlordane (technical)	0.64	U	1.6	0.64	0.28	mg/Kg	☼	10/28/15 22:14	25
Chlorobenzilate	5.5	U	9.5	5.5	2.3	mg/Kg	☼	10/28/15 22:14	25
4,4'-DDD	0.035	U	0.16	0.035	0.017	mg/Kg	☼	10/28/15 22:14	25
4,4'-DDE	**0.48**	**D**	0.16	0.035	0.017	mg/Kg	☼	10/28/15 22:14	25
4,4'-DDT	**0.23**	**D**	0.16	0.048	0.021	mg/Kg	☼	10/28/15 22:14	25
delta-BHC	0.048	U	0.16	0.048	0.018	mg/Kg	☼	10/28/15 22:14	25
Dieldrin	0.035	U	0.16	0.035	0.016	mg/Kg	☼	10/28/15 22:14	25
Endosulfan I	0.035	U	0.16	0.035	0.016	mg/Kg	☼	10/28/15 22:14	25
Endosulfan II	0.035	U	0.16	0.035	0.014	mg/Kg	☼	10/28/15 22:14	25
Endosulfan sulfate	0.048	U	0.16	0.048	0.020	mg/Kg	☼	10/28/15 22:14	25
Endrin	0.048	U	0.16	0.048	0.021	mg/Kg	☼	10/28/15 22:14	25
Endrin aldehyde	0.048	U	0.16	0.048	0.021	mg/Kg	☼	10/28/15 22:14	25
Endrin ketone	0.048	U	0.16	0.048	0.019	mg/Kg	☼	10/28/15 22:14	25
gamma-BHC (Lindane)	0.035	U	0.16	0.035	0.013	mg/Kg	☼	10/28/15 22:14	25
gamma-Chlordane	**0.025**	**J D**	0.16	0.035	0.017	mg/Kg	☼	10/28/15 22:14	25
Heptachlor	0.048	U	0.16	0.048	0.018	mg/Kg	☼	10/28/15 22:14	25
Heptachlor epoxide	0.035	U	0.16	0.035	0.015	mg/Kg	☼	10/28/15 22:14	25
Isodrin	0.088	U	0.16	0.088	0.032	mg/Kg	☼	10/28/15 22:14	25
Kepone	3.3	U	9.5	3.3	1.2	mg/Kg	☼	10/28/15 22:14	25
Methoxychlor	0.070	U	0.16	0.070	0.027	mg/Kg	☼	10/28/15 22:14	25
PCB-1016	2.2	U	3.1	2.2	1.0	mg/Kg	☼	10/28/15 22:14	25
PCB-1221	2.9	U	3.1	2.9	1.4	mg/Kg	☼	10/28/15 22:14	25
PCB-1232	1.2	U	3.1	1.2	0.50	mg/Kg	☼	10/28/15 22:14	25
PCB-1242	1.2	U	3.1	1.2	0.48	mg/Kg	☼	10/28/15 22:14	25
PCB-1248	1.9	U	3.1	1.9	0.78	mg/Kg	☼	10/28/15 22:14	25
PCB-1254	2.9	U	3.1	2.9	0.95	mg/Kg	☼	10/28/15 22:14	25
PCB-1260	2.2	U	3.1	2.2	0.92	mg/Kg	☼	10/28/15 22:14	25
Toxaphene	1.2	U	16	1.2	0.52	mg/Kg	☼	10/28/15 22:14	25

Client Sample ID: AOPSM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30

Matrix: Solid
Percent Solids: 79.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/22/15 09:33	10/28/15 22:14	25
Tetrachloro-m-xylene	0	D	46 - 130	10/22/15 09:33	10/28/15 22:14	25

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	410	U	820	410	150	ug/Kg	☼	11/05/15 22:39	10
Azinphos-ethyl	410	U	410	410	110	ug/Kg	☼	11/05/15 22:39	10
Azinphos-methyl	98	U	160	98	43	ug/Kg	☼	11/05/15 22:39	10
Bolstar	210	U	160	210	52	ug/Kg	☼	11/05/15 22:39	10
Chlorpyrifos	210	U	250	210	79	ug/Kg	☼	11/05/15 22:39	10
Coumaphos	98	U	160	98	34	ug/Kg	☼	11/05/15 22:39	10
Demeton-O	280	U	480	280	65	ug/Kg	☼	11/05/15 22:39	10
Demeton-S	120	U	180	120	60	ug/Kg	☼	11/05/15 22:39	10
Demeton, Total	210	U	480	210	92	ug/Kg	☼	11/05/15 22:39	10
Diazinon	210	U	270	210	89	ug/Kg	☼	11/05/15 22:39	10
Dichlorvos	210	U	280	210	91	ug/Kg	☼	11/05/15 22:39	10
Dimethoate	210	U	270	210	87	ug/Kg	☼	11/05/15 22:39	10
Disulfoton	210	U	590	210	95	ug/Kg	☼	11/05/15 22:39	10
EPN	98	U	160	98	45	ug/Kg	☼	11/05/15 22:39	10
Mocap	210	U	180	210	61	ug/Kg	☼	11/05/15 22:39	10
Ethyl Parathion	210	U	220	210	65	ug/Kg	☼	11/05/15 22:39	10
Famphur	98	U	160	98	40	ug/Kg	☼	11/05/15 22:39	10
Fensulfothion	210	U	310	210	100	ug/Kg	☼	11/05/15 22:39	10
Fenthion	410	U	410	410	110	ug/Kg	☼	11/05/15 22:39	10
Malathion	210	U	180	210	57	ug/Kg	☼	11/05/15 22:39	10
Merphos	210	U	370	210	63	ug/Kg	☼	11/05/15 22:39	10
Methyl parathion	210	U	250	210	78	ug/Kg	☼	11/05/15 22:39	10
Mevinphos	210	U	180	210	57	ug/Kg	☼	11/05/15 22:39	10
Phorate	210	U	250	210	70	ug/Kg	☼	11/05/15 22:39	10
Phosmet	820	U	820	820	240	ug/Kg	☼	11/05/15 22:39	10
Propazine	410	U	820	410	110	ug/Kg	☼	11/05/15 22:39	10
Ronnel	410	U	560	410	190	ug/Kg	☼	11/05/15 22:39	10
Simazine	820	U	820	820	270	ug/Kg	☼	11/05/15 22:39	10
Tetrachlorvinphos (Stirophos)	210	U	180	210	54	ug/Kg	☼	11/05/15 22:39	10
Sulfotepp	210	U	250	210	77	ug/Kg	☼	11/05/15 22:39	10
Thionazin	210	U	220	210	68	ug/Kg	☼	11/05/15 22:39	10
Tokuthion	98	U	250	98	48	ug/Kg	☼	11/05/15 22:39	10
Trichloronate	210	U	250	210	77	ug/Kg	☼	11/05/15 22:39	10
o,o',o''-Triethylphosphorothioate	210	U	480	210	96	ug/Kg	☼	11/05/15 22:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	116	D	47 - 161	10/24/15 11:05	11/05/15 22:39	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8200	U	8600	8200	2800	ug/Kg	☼	10/29/15 22:54	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	124	D	47 - 161	10/24/15 11:05	10/29/15 22:54	100

Client Sample ID: AOPSM801

Lab Sample ID: 680-117942-30
Date Collected: 10/12/15 11:25
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 79.1

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.063	U	0.10	0.063	0.063	mg/Kg	☼	10/24/15 14:30	10
Dalapon	0.10	U	1.3	0.10	0.037	mg/Kg	☼	10/24/15 14:30	10
2,4-DB	0.063	U Q	0.10	0.063	0.038	mg/Kg	☼	10/24/15 14:30	10
Dicamba	0.063	U	0.10	0.063	0.024	mg/Kg	☼	10/24/15 14:30	10
Dichlorprop	0.025	U	0.10	0.025	0.014	mg/Kg	☼	10/24/15 14:30	10
Dinoseb	0.063	U	0.63	0.063	0.058	mg/Kg	☼	10/24/15 14:30	10
MCPA	6.0	U	25	6.0	2.4	mg/Kg	☼	10/24/15 14:30	10
MCPP	6.0	U	25	6.0	2.1	mg/Kg	☼	10/24/15 14:30	10
Pentachlorophenol	0.013	U	0.10	0.013	0.0053	mg/Kg	☼	10/24/15 14:30	10
Silvex (2,4,5-TP)	0.063	U	0.10	0.063	0.020	mg/Kg	☼	10/24/15 14:30	10
2,4,5-T	0.063	U	0.10	0.063	0.029	mg/Kg	☼	10/24/15 14:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 14:30*	*10*

Client Sample ID: AOPCM801

Lab Sample ID: 680-117942-31
Date Collected: 10/12/15 11:25
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 79.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.57	mg/Kg	☼	10/26/15 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*127*		*68 - 134*	*10/26/15 08:30*	*10/26/15 18:49*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	190	U	210	190	130	mg/Kg	☼	10/31/15 22:51	10
Oil Range Organics (C20-C36)	1300	U	1300	1300	1300	mg/Kg	☼	10/31/15 22:51	10
JP-4 Fuel	410	U	410	410	410	mg/Kg	☼	10/31/15 22:51	10
JP-5	210	U Q	210	210	210	mg/Kg	☼	10/31/15 22:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 22:51*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.036	U	0.16	0.036	0.014	mg/Kg	☼	10/28/15 22:29	25
alpha-BHC	0.036	U	0.16	0.036	0.013	mg/Kg	☼	10/28/15 22:29	25
alpha-Chlordane	**0.045**	**J D**	0.16	0.036	0.017	mg/Kg	☼	10/28/15 22:29	25
beta-BHC	0.070	U	0.16	0.070	0.032	mg/Kg	☼	10/28/15 22:29	25
Chlordane (technical)	0.64	U	1.6	0.64	0.28	mg/Kg	☼	10/28/15 22:29	25
Chlorobenzilate	5.6	U	9.6	5.6	2.3	mg/Kg	☼	10/28/15 22:29	25
4,4'-DDD	0.036	U	0.16	0.036	0.017	mg/Kg	☼	10/28/15 22:29	25
4,4'-DDE	**0.47**	**D**	0.16	0.036	0.017	mg/Kg	☼	10/28/15 22:29	25
4,4'-DDT	**0.23**	**D**	0.16	0.048	0.021	mg/Kg	☼	10/28/15 22:29	25
delta-BHC	0.048	U	0.16	0.048	0.018	mg/Kg	☼	10/28/15 22:29	25
Dieldrin	0.036	U	0.16	0.036	0.016	mg/Kg	☼	10/28/15 22:29	25
Endosulfan I	0.036	U	0.16	0.036	0.016	mg/Kg	☼	10/28/15 22:29	25
Endosulfan II	0.036	U	0.16	0.036	0.014	mg/Kg	☼	10/28/15 22:29	25

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPCM801
Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31
Matrix: Solid
Percent Solids: 79.3

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.048	U	0.16	0.048	0.020	mg/Kg	☼	10/28/15 22:29	25
Endrin	0.048	U	0.16	0.048	0.021	mg/Kg	☼	10/28/15 22:29	25
Endrin aldehyde	0.048	U	0.16	0.048	0.021	mg/Kg	☼	10/28/15 22:29	25
Endrin ketone	0.048	U	0.16	0.048	0.019	mg/Kg	☼	10/28/15 22:29	25
gamma-BHC (Lindane)	0.036	U	0.16	0.036	0.013	mg/Kg	☼	10/28/15 22:29	25
gamma-Chlordane	**0.023**	**J D**	0.16	0.036	0.017	mg/Kg	☼	10/28/15 22:29	25
Heptachlor	0.048	U	0.16	0.048	0.018	mg/Kg	☼	10/28/15 22:29	25
Heptachlor epoxide	0.036	U	0.16	0.036	0.015	mg/Kg	☼	10/28/15 22:29	25
Isodrin	0.088	U	0.16	0.088	0.033	mg/Kg	☼	10/28/15 22:29	25
Kepone	3.4	U	9.6	3.4	1.2	mg/Kg	☼	10/28/15 22:29	25
Methoxychlor	0.070	U	0.16	0.070	0.027	mg/Kg	☼	10/28/15 22:29	25
PCB-1016	2.2	U	3.2	2.2	1.1	mg/Kg	☼	10/28/15 22:29	25
PCB-1221	2.9	U	3.2	2.9	1.4	mg/Kg	☼	10/28/15 22:29	25
PCB-1232	1.2	U	3.2	1.2	0.50	mg/Kg	☼	10/28/15 22:29	25
PCB-1242	1.2	U	3.2	1.2	0.48	mg/Kg	☼	10/28/15 22:29	25
PCB-1248	1.9	U	3.2	1.9	0.79	mg/Kg	☼	10/28/15 22:29	25
PCB-1254	2.9	U	3.2	2.9	0.96	mg/Kg	☼	10/28/15 22:29	25
PCB-1260	2.2	U	3.2	2.2	0.92	mg/Kg	☼	10/28/15 22:29	25
Toxaphene	1.2	U	16	1.2	0.53	mg/Kg	☼	10/28/15 22:29	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/28/15 22:29*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/28/15 22:29*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	410	U H	840	410	150	ug/Kg	☼	11/06/15 18:15	10
Azinphos-ethyl	410	U H	410	410	110	ug/Kg	☼	11/06/15 18:15	10
Azinphos-methyl	100	U H	160	100	44	ug/Kg	☼	11/06/15 18:15	10
Bolstar	210	U H	160	210	53	ug/Kg	☼	11/06/15 18:15	10
Chlorpyrifos	210	U H	250	210	81	ug/Kg	☼	11/06/15 18:15	10
Coumaphos	100	U H	160	100	35	ug/Kg	☼	11/06/15 18:15	10
Demeton-O	290	U H	490	290	66	ug/Kg	☼	11/06/15 18:15	10
Demeton-S	130	U H	190	130	61	ug/Kg	☼	11/06/15 18:15	10
Demeton, Total	210	U H	490	210	94	ug/Kg	☼	11/06/15 18:15	10
Diazinon	210	U H	280	210	91	ug/Kg	☼	11/06/15 18:15	10
Dichlorvos	210	U H	290	210	93	ug/Kg	☼	11/06/15 18:15	10
Dimethoate	210	U H	280	210	89	ug/Kg	☼	11/06/15 18:15	10
Disulfoton	210	U H	600	210	97	ug/Kg	☼	11/06/15 18:15	10
EPN	100	U H	160	100	46	ug/Kg	☼	11/06/15 18:15	10
Mocap	210	U H	190	210	62	ug/Kg	☼	11/06/15 18:15	10
Ethyl Parathion	210	U H	230	210	66	ug/Kg	☼	11/06/15 18:15	10
Famphur	100	U H	160	100	40	ug/Kg	☼	11/06/15 18:15	10
Fensulfothion	210	U H	310	210	100	ug/Kg	☼	11/06/15 18:15	10
Fenthion	410	U H	410	410	110	ug/Kg	☼	11/06/15 18:15	10
Malathion	210	U H	190	210	58	ug/Kg	☼	11/06/15 18:15	10
Merphos	210	U H	380	210	64	ug/Kg	☼	11/06/15 18:15	10
Methyl parathion	210	U H	250	210	80	ug/Kg	☼	11/06/15 18:15	10
Mevinphos	210	U H	190	210	58	ug/Kg	☼	11/06/15 18:15	10
Phorate	210	U H	250	210	71	ug/Kg	☼	11/06/15 18:15	10

Client Sample ID: AOPCM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31

Matrix: Solid
Percent Solids: 79.3

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phosmet	840	U H	840	840	240	ug/Kg	☼	11/06/15 18:15	10
Ronnel	410	U H	580	410	190	ug/Kg	☼	11/06/15 18:15	10
Simazine	840	U H	840	840	280	ug/Kg	☼	11/06/15 18:15	10
Tetrachlorvinphos (Stirophos)	210	U H	190	210	55	ug/Kg	☼	11/06/15 18:15	10
Sulfotepp	210	U H	250	210	78	ug/Kg	☼	11/06/15 18:15	10
Thionazin	210	U H	230	210	70	ug/Kg	☼	11/06/15 18:15	10
Tokuthion	100	U H	250	100	49	ug/Kg	☼	11/06/15 18:15	10
Trichloronate	210	U H	250	210	78	ug/Kg	☼	11/06/15 18:15	10
o,o',o''-Triethylphosphorothioate	210	U H	490	210	98	ug/Kg	☼	11/06/15 18:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*85*	*D*	*47 - 161*	*10/27/15 16:55*	*11/06/15 18:15*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8400	U H	8800	8400	2800	ug/Kg	☼	11/09/15 17:20	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*122*	*D*	*47 - 161*	*10/27/15 16:55*	*11/09/15 17:20*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	410	U H	840	410	110	ug/Kg	☼	11/07/15 15:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*83*	*D*	*47 - 161*	*10/27/15 16:55*	*11/07/15 15:31*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.063	U	0.10	0.063	0.063	mg/Kg	☼	10/24/15 14:49	10
Dalapon	0.10	U	1.3	0.10	0.037	mg/Kg	☼	10/24/15 14:49	10
2,4-DB	0.063	U Q	0.10	0.063	0.038	mg/Kg	☼	10/24/15 14:49	10
Dicamba	0.063	U	0.10	0.063	0.024	mg/Kg	☼	10/24/15 14:49	10
Dichlorprop	0.025	U	0.10	0.025	0.014	mg/Kg	☼	10/24/15 14:49	10
Dinoseb	0.063	U	0.63	0.063	0.058	mg/Kg	☼	10/24/15 14:49	10
MCPA	6.0	U	25	6.0	2.4	mg/Kg	☼	10/24/15 14:49	10
MCPP	6.0	U	25	6.0	2.1	mg/Kg	☼	10/24/15 14:49	10
Pentachlorophenol	0.013	U	0.10	0.013	0.0053	mg/Kg	☼	10/24/15 14:49	10
Silvex (2,4,5-TP)	0.063	U	0.10	0.063	0.020	mg/Kg	☼	10/24/15 14:49	10
2,4,5-T	0.063	U	0.10	0.063	0.029	mg/Kg	☼	10/24/15 14:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 14:49*	*10*

Client Sample ID: AOPSM701

Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32

Matrix: Solid
Percent Solids: 80.8

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.5	U	1.5	1.5	0.61	mg/Kg	☼	10/26/15 19:12	1

Client Sample ID: AOPSM701

Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32

Matrix: Solid
Percent Solids: 80.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*127*		*68 - 134*	*10/26/15 08:30*	*10/26/15 19:12*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180	U	200	180	130	mg/Kg	☼	10/31/15 23:05	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/31/15 23:05	10
JP-4 Fuel	400	U	400	400	400	mg/Kg	☼	10/31/15 23:05	10
JP-5	200	U Q	200	200	200	mg/Kg	☼	10/31/15 23:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 23:05*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.035	U	0.16	0.035	0.014	mg/Kg	☼	10/29/15 00:48	25
alpha-BHC	0.035	U	0.16	0.035	0.013	mg/Kg	☼	10/29/15 00:48	25
alpha-Chlordane	0.035	U	0.16	0.035	0.017	mg/Kg	☼	10/29/15 00:48	25
beta-BHC	0.069	U	0.16	0.069	0.031	mg/Kg	☼	10/29/15 00:48	25
Chlordane (technical)	0.64	U	1.6	0.64	0.28	mg/Kg	☼	10/29/15 00:48	25
Chlorobenzilate	5.5	U	9.5	5.5	2.3	mg/Kg	☼	10/29/15 00:48	25
4,4'-DDD	0.035	U	0.16	0.035	0.017	mg/Kg	☼	10/29/15 00:48	25
4,4'-DDE	**0.21**	**D**	0.16	0.035	0.017	mg/Kg	☼	10/29/15 00:48	25
4,4'-DDT	**0.14**	**J D Q**	0.16	0.048	0.021	mg/Kg	☼	10/29/15 00:48	25
delta-BHC	0.048	U	0.16	0.048	0.018	mg/Kg	☼	10/29/15 00:48	25
Dieldrin	0.035	U	0.16	0.035	0.016	mg/Kg	☼	10/29/15 00:48	25
Endosulfan I	0.035	U	0.16	0.035	0.016	mg/Kg	☼	10/29/15 00:48	25
Endosulfan II	0.035	U	0.16	0.035	0.014	mg/Kg	☼	10/29/15 00:48	25
Endosulfan sulfate	0.048	U	0.16	0.048	0.020	mg/Kg	☼	10/29/15 00:48	25
Endrin	0.048	U	0.16	0.048	0.021	mg/Kg	☼	10/29/15 00:48	25
Endrin aldehyde	0.048	U	0.16	0.048	0.021	mg/Kg	☼	10/29/15 00:48	25
Endrin ketone	0.048	U	0.16	0.048	0.019	mg/Kg	☼	10/29/15 00:48	25
gamma-BHC (Lindane)	0.035	U	0.16	0.035	0.013	mg/Kg	☼	10/29/15 00:48	25
gamma-Chlordane	0.035	U	0.16	0.035	0.017	mg/Kg	☼	10/29/15 00:48	25
Heptachlor	0.048	U	0.16	0.048	0.018	mg/Kg	☼	10/29/15 00:48	25
Heptachlor epoxide	0.035	U	0.16	0.035	0.015	mg/Kg	☼	10/29/15 00:48	25
Isodrin	0.088	U	0.16	0.088	0.032	mg/Kg	☼	10/29/15 00:48	25
Kepone	3.3	U	9.5	3.3	1.2	mg/Kg	☼	10/29/15 00:48	25
Methoxychlor	0.069	U	0.16	0.069	0.027	mg/Kg	☼	10/29/15 00:48	25
PCB-1016	2.2	U	3.1	2.2	1.0	mg/Kg	☼	10/29/15 00:48	25
PCB-1221	2.9	U	3.1	2.9	1.4	mg/Kg	☼	10/29/15 00:48	25
PCB-1232	1.2	U	3.1	1.2	0.49	mg/Kg	☼	10/29/15 00:48	25
PCB-1242	1.2	U	3.1	1.2	0.48	mg/Kg	☼	10/29/15 00:48	25
PCB-1248	1.9	U	3.1	1.9	0.78	mg/Kg	☼	10/29/15 00:48	25
PCB-1254	2.9	U	3.1	2.9	0.95	mg/Kg	☼	10/29/15 00:48	25
PCB-1260	2.2	U	3.1	2.2	0.91	mg/Kg	☼	10/29/15 00:48	25
Toxaphene	1.2	U	16	1.2	0.52	mg/Kg	☼	10/29/15 00:48	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/29/15 00:48*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/29/15 00:48*	*25*

Client Sample ID: AOPSM701

Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32

Matrix: Solid
Percent Solids: 80.8

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	780	380	140	ug/Kg	☼	11/06/15 18:45	10
Azinphos-ethyl	380	U	380	380	100	ug/Kg	☼	11/06/15 18:45	10
Azinphos-methyl	93	U	150	93	40	ug/Kg	☼	11/06/15 18:45	10
Bolstar	200	U	150	200	49	ug/Kg	☼	11/06/15 18:45	10
Chlorpyrifos	200	U	230	200	75	ug/Kg	☼	11/06/15 18:45	10
Coumaphos	93	U	150	93	32	ug/Kg	☼	11/06/15 18:45	10
Demeton-O	270	U	450	270	61	ug/Kg	☼	11/06/15 18:45	10
Demeton-S	120	U	170	120	56	ug/Kg	☼	11/06/15 18:45	10
Demeton, Total	200	U	450	200	87	ug/Kg	☼	11/06/15 18:45	10
Diazinon	200	U	250	200	84	ug/Kg	☼	11/06/15 18:45	10
Dichlorvos	200	U	270	200	86	ug/Kg	☼	11/06/15 18:45	10
Dimethoate	200	U	250	200	82	ug/Kg	☼	11/06/15 18:45	10
Disulfoton	200	U	560	200	89	ug/Kg	☼	11/06/15 18:45	10
EPN	93	U	150	93	43	ug/Kg	☼	11/06/15 18:45	10
Mocap	200	U	170	200	57	ug/Kg	☼	11/06/15 18:45	10
Ethyl Parathion	200	U	210	200	61	ug/Kg	☼	11/06/15 18:45	10
Famphur	93	U	150	93	37	ug/Kg	☼	11/06/15 18:45	10
Fensulfothion	200	U	290	200	94	ug/Kg	☼	11/06/15 18:45	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/06/15 18:45	10
Malathion	200	U	170	200	54	ug/Kg	☼	11/06/15 18:45	10
Merphos	200	U	350	200	59	ug/Kg	☼	11/06/15 18:45	10
Methyl parathion	200	U	230	200	74	ug/Kg	☼	11/06/15 18:45	10
Mevinphos	200	U	170	200	53	ug/Kg	☼	11/06/15 18:45	10
Phorate	200	U	230	200	66	ug/Kg	☼	11/06/15 18:45	10
Phosmet	780	U	780	780	220	ug/Kg	☼	11/06/15 18:45	10
Ronnel	380	U	530	380	180	ug/Kg	☼	11/06/15 18:45	10
Simazine	780	U	780	780	260	ug/Kg	☼	11/06/15 18:45	10
Tetrachlorvinphos (Stirophos)	200	U	170	200	50	ug/Kg	☼	11/06/15 18:45	10
Sulfotepp	200	U	230	200	72	ug/Kg	☼	11/06/15 18:45	10
Thionazin	200	U	210	200	64	ug/Kg	☼	11/06/15 18:45	10
Tokuthion	93	U	230	93	45	ug/Kg	☼	11/06/15 18:45	10
Trichloronate	200	U	230	200	72	ug/Kg	☼	11/06/15 18:45	10
o,o',o''-Triethylphosphorothioate	200	U	450	200	91	ug/Kg	☼	11/06/15 18:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*78*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 18:45*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7800	U	8100	7800	2600	ug/Kg	☼	10/29/15 23:43	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*83*	*D*	*47 - 161*	*10/24/15 11:05*	*10/29/15 23:43*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	380	U	780	380	100	ug/Kg	☼	11/07/15 16:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*82*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 16:01*	*10*

Client Sample ID: AOPSM701

Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32

Matrix: Solid
Percent Solids: 80.8

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.062	U	0.10	0.062	0.062	mg/Kg	☼	10/24/15 15:07	10
Dalapon	0.099	U	1.2	0.099	0.036	mg/Kg	☼	10/24/15 15:07	10
2,4-DB	0.062	U Q	0.10	0.062	0.037	mg/Kg	☼	10/24/15 15:07	10
Dicamba	0.062	U	0.10	0.062	0.023	mg/Kg	☼	10/24/15 15:07	10
Dichlorprop	0.025	U	0.10	0.025	0.014	mg/Kg	☼	10/24/15 15:07	10
Dinoseb	0.062	U	0.62	0.062	0.057	mg/Kg	☼	10/24/15 15:07	10
MCPA	5.9	U	25	5.9	2.3	mg/Kg	☼	10/24/15 15:07	10
MCPP	5.9	U	25	5.9	2.1	mg/Kg	☼	10/24/15 15:07	10
Pentachlorophenol	0.012	U	0.10	0.012	0.0052	mg/Kg	☼	10/24/15 15:07	10
Silvex (2,4,5-TP)	0.062	U	0.10	0.062	0.020	mg/Kg	☼	10/24/15 15:07	10
2,4,5-T	0.062	U	0.10	0.062	0.028	mg/Kg	☼	10/24/15 15:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 15:07*	*10*

Client Sample ID: AOPSL801

Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33

Matrix: Solid
Percent Solids: 86.1

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.55	mg/Kg	☼	10/26/15 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*131*		*68 - 134*	*10/26/15 08:30*	*10/26/15 19:36*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	90	U	100	90	63	mg/Kg	☼	10/31/15 23:20	5
Oil Range Organics (C20-C36)	600	U	600	600	600	mg/Kg	☼	10/31/15 23:20	5
JP-4 Fuel	200	U	200	200	200	mg/Kg	☼	10/31/15 23:20	5
JP-5	100	U Q	100	100	100	mg/Kg	☼	10/31/15 23:20	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 23:20*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0013	U	0.0058	0.0013	0.00051	mg/Kg	☼	10/29/15 01:04	1
alpha-BHC	0.0013	U	0.0058	0.0013	0.00048	mg/Kg	☼	10/29/15 01:04	1
alpha-Chlordane	0.0013	U	0.0058	0.0013	0.00061	mg/Kg	☼	10/29/15 01:04	1
beta-BHC	0.0025	U	0.0058	0.0025	0.0011	mg/Kg	☼	10/29/15 01:04	1
Chlordane (technical)	0.023	U	0.058	0.023	0.0099	mg/Kg	☼	10/29/15 01:04	1
Chlorobenzilate	0.20	U	0.34	0.20	0.082	mg/Kg	☼	10/29/15 01:04	1
4,4'-DDD	0.0013	U	0.0058	0.0013	0.00061	mg/Kg	☼	10/29/15 01:04	1
4,4'-DDE	**0.0026**	**J**	0.0058	0.0013	0.00061	mg/Kg	☼	10/29/15 01:04	1
4,4'-DDT	**0.0016**	**J**	0.0058	0.0017	0.00075	mg/Kg	☼	10/29/15 01:04	1
delta-BHC	0.0017	U	0.0058	0.0017	0.00065	mg/Kg	☼	10/29/15 01:04	1
Dieldrin	0.0013	U	0.0058	0.0013	0.00058	mg/Kg	☼	10/29/15 01:04	1
Endosulfan I	0.0013	U	0.0058	0.0013	0.00058	mg/Kg	☼	10/29/15 01:04	1
Endosulfan II	0.0013	U	0.0058	0.0013	0.00051	mg/Kg	☼	10/29/15 01:04	1

Client Sample ID: AOPSL801
Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33
Matrix: Solid
Percent Solids: 86.1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.0017	U	0.0058	0.0017	0.00071	mg/Kg	☼	10/29/15 01:04	1
Endrin	0.0017	U	0.0058	0.0017	0.00075	mg/Kg	☼	10/29/15 01:04	1
Endrin aldehyde	0.0017	U	0.0058	0.0017	0.00075	mg/Kg	☼	10/29/15 01:04	1
Endrin ketone	0.0017	U	0.0058	0.0017	0.00068	mg/Kg	☼	10/29/15 01:04	1
gamma-BHC (Lindane)	0.0013	U	0.0058	0.0013	0.00048	mg/Kg	☼	10/29/15 01:04	1
gamma-Chlordane	0.0013	U	0.0058	0.0013	0.00061	mg/Kg	☼	10/29/15 01:04	1
Heptachlor	0.0017	U	0.0058	0.0017	0.00065	mg/Kg	☼	10/29/15 01:04	1
Heptachlor epoxide	0.0013	U	0.0058	0.0013	0.00054	mg/Kg	☼	10/29/15 01:04	1
Isodrin	0.0031	U	0.0058	0.0031	0.0012	mg/Kg	☼	10/29/15 01:04	1
Kepone	0.12	U	0.34	0.12	0.044	mg/Kg	☼	10/29/15 01:04	1
Methoxychlor	0.0025	U	0.0058	0.0025	0.00095	mg/Kg	☼	10/29/15 01:04	1
PCB-1016	0.078	U	0.11	0.078	0.037	mg/Kg	☼	10/29/15 01:04	1
PCB-1221	0.10	U	0.11	0.10	0.051	mg/Kg	☼	10/29/15 01:04	1
PCB-1232	0.044	U	0.11	0.044	0.018	mg/Kg	☼	10/29/15 01:04	1
PCB-1242	0.044	U	0.11	0.044	0.017	mg/Kg	☼	10/29/15 01:04	1
PCB-1248	0.068	U	0.11	0.068	0.028	mg/Kg	☼	10/29/15 01:04	1
PCB-1254	0.10	U	0.11	0.10	0.034	mg/Kg	☼	10/29/15 01:04	1
PCB-1260	0.078	U	0.11	0.078	0.033	mg/Kg	☼	10/29/15 01:04	1
Toxaphene	0.044	U	0.58	0.044	0.019	mg/Kg	☼	10/29/15 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*44 - 129*	*10/22/15 09:33*	*10/29/15 01:04*	*1*
Tetrachloro-m-xylene	*82*		*46 - 130*	*10/22/15 09:33*	*10/29/15 01:04*	*1*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	720	360	130	ug/Kg	☼	11/06/15 19:15	10
Azinphos-ethyl	360	U	360	360	93	ug/Kg	☼	11/06/15 19:15	10
Azinphos-methyl	86	U	140	86	38	ug/Kg	☼	11/06/15 19:15	10
Bolstar	180	U	140	180	46	ug/Kg	☼	11/06/15 19:15	10
Chlorpyrifos	180	U	220	180	70	ug/Kg	☼	11/06/15 19:15	10
Coumaphos	86	U	140	86	30	ug/Kg	☼	11/06/15 19:15	10
Demeton-O	250	U	420	250	57	ug/Kg	☼	11/06/15 19:15	10
Demeton-S	110	U	160	110	52	ug/Kg	☼	11/06/15 19:15	10
Demeton, Total	180	U	420	180	81	ug/Kg	☼	11/06/15 19:15	10
Diazinon	180	U	240	180	78	ug/Kg	☼	11/06/15 19:15	10
Dichlorvos	180	U	250	180	80	ug/Kg	☼	11/06/15 19:15	10
Dimethoate	180	U	240	180	76	ug/Kg	☼	11/06/15 19:15	10
Disulfoton	180	U	520	180	83	ug/Kg	☼	11/06/15 19:15	10
EPN	86	U	140	86	40	ug/Kg	☼	11/06/15 19:15	10
Mocap	180	U	160	180	53	ug/Kg	☼	11/06/15 19:15	10
Ethyl Parathion	180	U	190	180	57	ug/Kg	☼	11/06/15 19:15	10
Famphur	86	U	140	86	35	ug/Kg	☼	11/06/15 19:15	10
Fensulfothion	180	U	270	180	88	ug/Kg	☼	11/06/15 19:15	10
Fenthion	360	U	360	360	94	ug/Kg	☼	11/06/15 19:15	10
Malathion	180	U	160	180	50	ug/Kg	☼	11/06/15 19:15	10
Merphos	180	U	320	180	55	ug/Kg	☼	11/06/15 19:15	10
Methyl parathion	180	U	220	180	69	ug/Kg	☼	11/06/15 19:15	10
Mevinphos	180	U	160	180	50	ug/Kg	☼	11/06/15 19:15	10
Phorate	180	U	220	180	61	ug/Kg	☼	11/06/15 19:15	10

Client Sample ID: AOPSL801

Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33

Matrix: Solid
Percent Solids: 86.1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phosmet	720	U	720	720	210	ug/Kg	☼	11/06/15 19:15	10
Ronnel	360	U	490	360	160	ug/Kg	☼	11/06/15 19:15	10
Simazine	720	U	720	720	240	ug/Kg	☼	11/06/15 19:15	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	47	ug/Kg	☼	11/06/15 19:15	10
Sulfotepp	180	U	220	180	67	ug/Kg	☼	11/06/15 19:15	10
Thionazin	180	U	190	180	60	ug/Kg	☼	11/06/15 19:15	10
Tokuthion	86	U	220	86	42	ug/Kg	☼	11/06/15 19:15	10
Trichloronate	180	U	220	180	67	ug/Kg	☼	11/06/15 19:15	10
o,o',o''-Triethylphosphorothioate	180	U	420	180	84	ug/Kg	☼	11/06/15 19:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*96*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 19:15*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7200	U	7500	7200	2400	ug/Kg	☼	10/30/15 00:08	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*98*	*D*	*47 - 161*	*10/24/15 11:05*	*10/30/15 00:08*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	360	U	720	360	93	ug/Kg	☼	11/07/15 16:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*96*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 16:32*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.029	U	0.048	0.029	0.029	mg/Kg	☼	10/24/15 10:33	5
Dalapon	0.046	U	0.58	0.046	0.017	mg/Kg	☼	10/24/15 10:33	5
2,4-DB	0.029	U Q	0.048	0.029	0.017	mg/Kg	☼	10/24/15 10:33	5
Dicamba	0.029	U	0.048	0.029	0.011	mg/Kg	☼	10/24/15 10:33	5
Dichlorprop	0.012	U	0.048	0.012	0.0064	mg/Kg	☼	10/24/15 10:33	5
Dinoseb	0.029	U	0.29	0.029	0.027	mg/Kg	☼	10/24/15 10:33	5
MCPA	2.8	U	12	2.8	1.1	mg/Kg	☼	10/24/15 10:33	5
MCPP	2.8	U	12	2.8	0.98	mg/Kg	☼	10/24/15 10:33	5
Pentachlorophenol	0.0058	U	0.048	0.0058	0.0024	mg/Kg	☼	10/24/15 10:33	5
Silvex (2,4,5-TP)	0.029	U	0.048	0.029	0.0093	mg/Kg	☼	10/24/15 10:33	5
2,4,5-T	0.029	U	0.048	0.029	0.013	mg/Kg	☼	10/24/15 10:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*177*	*M Q*	*27 - 122*	*10/22/15 08:22*	*10/24/15 10:33*	*5*

Client Sample ID: AOPSJ1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34

Matrix: Solid
Percent Solids: 98.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.0	U	1.0	1.0	0.41	mg/Kg	☼	10/26/15 20:00	1

Client Sample ID: AOPSJ1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34

Matrix: Solid
Percent Solids: 98.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*127*		*68 - 134*	*10/26/15 08:30*	*10/26/15 20:00*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	150	U	160	150	100	mg/Kg	☼	10/31/15 23:35	10
Oil Range Organics (C20-C36)	990	U	990	990	990	mg/Kg	☼	10/31/15 23:35	10
JP-4 Fuel	330	U	330	330	330	mg/Kg	☼	10/31/15 23:35	10
JP-5	160	U Q	160	160	160	mg/Kg	☼	10/31/15 23:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 23:35*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.057	U	0.26	0.057	0.023	mg/Kg	☼	10/29/15 01:19	50
alpha-BHC	0.057	U	0.26	0.057	0.022	mg/Kg	☼	10/29/15 01:19	50
alpha-Chlordane	0.057	U	0.26	0.057	0.028	mg/Kg	☼	10/29/15 01:19	50
beta-BHC	0.11	U	0.26	0.11	0.051	mg/Kg	☼	10/29/15 01:19	50
Chlordane (technical)	1.0	U	2.6	1.0	0.45	mg/Kg	☼	10/29/15 01:19	50
Chlorobenzilate	9.0	U	15	9.0	3.7	mg/Kg	☼	10/29/15 01:19	50
4,4'-DDD	0.057	U	0.26	0.057	0.028	mg/Kg	☼	10/29/15 01:19	50
4,4'-DDE	**0.18**	**J D**	0.26	0.057	0.028	mg/Kg	☼	10/29/15 01:19	50
4,4'-DDT	**0.049**	**J D**	0.26	0.077	0.034	mg/Kg	☼	10/29/15 01:19	50
delta-BHC	0.077	U	0.26	0.077	0.029	mg/Kg	☼	10/29/15 01:19	50
Dieldrin	0.057	U	0.26	0.057	0.026	mg/Kg	☼	10/29/15 01:19	50
Endosulfan I	0.057	U	0.26	0.057	0.026	mg/Kg	☼	10/29/15 01:19	50
Endosulfan II	0.057	U	0.26	0.057	0.023	mg/Kg	☼	10/29/15 01:19	50
Endosulfan sulfate	0.077	U	0.26	0.077	0.032	mg/Kg	☼	10/29/15 01:19	50
Endrin	0.077	U	0.26	0.077	0.034	mg/Kg	☼	10/29/15 01:19	50
Endrin aldehyde	0.077	U	0.26	0.077	0.034	mg/Kg	☼	10/29/15 01:19	50
Endrin ketone	0.077	U	0.26	0.077	0.031	mg/Kg	☼	10/29/15 01:19	50
gamma-BHC (Lindane)	0.057	U	0.26	0.057	0.022	mg/Kg	☼	10/29/15 01:19	50
gamma-Chlordane	0.057	U	0.26	0.057	0.028	mg/Kg	☼	10/29/15 01:19	50
Heptachlor	0.077	U	0.26	0.077	0.029	mg/Kg	☼	10/29/15 01:19	50
Heptachlor epoxide	0.057	U	0.26	0.057	0.025	mg/Kg	☼	10/29/15 01:19	50
Isodrin	0.14	U	0.26	0.14	0.053	mg/Kg	☼	10/29/15 01:19	50
Kepone	5.4	U	15	5.4	2.0	mg/Kg	☼	10/29/15 01:19	50
Methoxychlor	0.11	U	0.26	0.11	0.043	mg/Kg	☼	10/29/15 01:19	50
PCB-1016	3.6	U	5.1	3.6	1.7	mg/Kg	☼	10/29/15 01:19	50
PCB-1221	4.6	U	5.1	4.6	2.3	mg/Kg	☼	10/29/15 01:19	50
PCB-1232	2.0	U	5.1	2.0	0.80	mg/Kg	☼	10/29/15 01:19	50
PCB-1242	2.0	U	5.1	2.0	0.77	mg/Kg	☼	10/29/15 01:19	50
PCB-1248	3.1	U	5.1	3.1	1.3	mg/Kg	☼	10/29/15 01:19	50
PCB-1254	4.6	U	5.1	4.6	1.5	mg/Kg	☼	10/29/15 01:19	50
PCB-1260	3.6	U	5.1	3.6	1.5	mg/Kg	☼	10/29/15 01:19	50
Toxaphene	2.0	U	26	2.0	0.85	mg/Kg	☼	10/29/15 01:19	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/29/15 01:19*	*50*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/29/15 01:19*	*50*

Client Sample ID: AOPSJ1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34

Matrix: Solid
Percent Solids: 98.3

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	310	U	630	310	110	ug/Kg	☼	11/06/15 19:46	10
Azinphos-ethyl	310	U	310	310	81	ug/Kg	☼	11/06/15 19:46	10
Azinphos-methyl	75	U	120	75	33	ug/Kg	☼	11/06/15 19:46	10
Bolstar	160	U	120	160	40	ug/Kg	☼	11/06/15 19:46	10
Chlorpyrifos	160	U	190	160	60	ug/Kg	☼	11/06/15 19:46	10
Coumaphos	75	U	120	75	26	ug/Kg	☼	11/06/15 19:46	10
Demeton-O	210	U	360	210	49	ug/Kg	☼	11/06/15 19:46	10
Demeton-S	93	U	140	93	45	ug/Kg	☼	11/06/15 19:46	10
Demeton, Total	160	U	360	160	70	ug/Kg	☼	11/06/15 19:46	10
Diazinon	160	U	210	160	68	ug/Kg	☼	11/06/15 19:46	10
Dichlorvos	160	U	210	160	69	ug/Kg	☼	11/06/15 19:46	10
Dimethoate	160	U	210	160	66	ug/Kg	☼	11/06/15 19:46	10
Disulfoton	160	U	450	160	72	ug/Kg	☼	11/06/15 19:46	10
EPN	75	U	120	75	34	ug/Kg	☼	11/06/15 19:46	10
Mocap	160	U	140	160	46	ug/Kg	☼	11/06/15 19:46	10
Ethyl Parathion	160	U	170	160	49	ug/Kg	☼	11/06/15 19:46	10
Famphur	75	U	120	75	30	ug/Kg	☼	11/06/15 19:46	10
Fensulfothion	160	U	230	160	76	ug/Kg	☼	11/06/15 19:46	10
Fenthion	310	U	310	310	82	ug/Kg	☼	11/06/15 19:46	10
Malathion	160	U	140	160	43	ug/Kg	☼	11/06/15 19:46	10
Merphos	160	U	280	160	48	ug/Kg	☼	11/06/15 19:46	10
Methyl parathion	160	U	190	160	59	ug/Kg	☼	11/06/15 19:46	10
Mevinphos	160	U	140	160	43	ug/Kg	☼	11/06/15 19:46	10
Phorate	160	U	190	160	53	ug/Kg	☼	11/06/15 19:46	10
Phosmet	630	U	630	630	180	ug/Kg	☼	11/06/15 19:46	10
Ronnel	310	U	430	310	140	ug/Kg	☼	11/06/15 19:46	10
Simazine	630	U	630	630	210	ug/Kg	☼	11/06/15 19:46	10
Tetrachlorvinphos (Stirophos)	160	U	140	160	41	ug/Kg	☼	11/06/15 19:46	10
Sulfotepp	160	U	190	160	58	ug/Kg	☼	11/06/15 19:46	10
Thionazin	160	U	170	160	52	ug/Kg	☼	11/06/15 19:46	10
Tokuthion	75	U	190	75	36	ug/Kg	☼	11/06/15 19:46	10
Trichloronate	160	U	190	160	58	ug/Kg	☼	11/06/15 19:46	10
o,o',o''-Triethylphosphorothioate	160	U	360	160	73	ug/Kg	☼	11/06/15 19:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*50*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 19:46*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6300	U	6500	6300	2100	ug/Kg	☼	10/30/15 00:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*47*	*D*	*47 - 161*	*10/24/15 11:05*	*10/30/15 00:33*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	310	U	630	310	81	ug/Kg	☼	11/07/15 17:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*51*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 17:02*	*10*

Client Sample ID: AOPSJ1001

Lab Sample ID: 680-117942-34
Date Collected: 10/12/15 10:20
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 98.3

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.051	U	0.084	0.051	0.051	mg/Kg	☼	10/24/15 15:25	10
Dalapon	0.081	U	1.0	0.081	0.029	mg/Kg	☼	10/24/15 15:25	10
2,4-DB	0.051	U Q	0.084	0.051	0.030	mg/Kg	☼	10/24/15 15:25	10
Dicamba	0.051	U	0.084	0.051	0.019	mg/Kg	☼	10/24/15 15:25	10
Dichlorprop	0.020	U	0.084	0.020	0.011	mg/Kg	☼	10/24/15 15:25	10
Dinoseb	0.051	U	0.51	0.051	0.047	mg/Kg	☼	10/24/15 15:25	10
MCPA	4.9	U	20	4.9	1.9	mg/Kg	☼	10/24/15 15:25	10
MCPP	4.9	U	20	4.9	1.7	mg/Kg	☼	10/24/15 15:25	10
Pentachlorophenol	0.010	U	0.084	0.010	0.0043	mg/Kg	☼	10/24/15 15:25	10
Silvex (2,4,5-TP)	0.051	U	0.084	0.051	0.016	mg/Kg	☼	10/24/15 15:25	10
2,4,5-T	0.051	U	0.084	0.051	0.023	mg/Kg	☼	10/24/15 15:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 15:25*	*10*

Client Sample ID: AOPSM1001

Lab Sample ID: 680-117942-35
Date Collected: 10/12/15 10:40
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 89.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.49	mg/Kg	☼	10/26/15 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*120*		*68 - 134*	*10/26/15 08:30*	*10/26/15 20:24*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**61**	**J D**	94	86	60	mg/Kg	☼	10/31/15 23:50	5
Oil Range Organics (C20-C36)	570	U	570	570	570	mg/Kg	☼	10/31/15 23:50	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/31/15 23:50	5
JP-5	94	U Q	94	94	94	mg/Kg	☼	10/31/15 23:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 23:50*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0013	U	0.0059	0.0013	0.00052	mg/Kg	☼	10/29/15 01:35	1
alpha-BHC	0.0013	U	0.0059	0.0013	0.00049	mg/Kg	☼	10/29/15 01:35	1
alpha-Chlordane	**0.038**	**M**	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 01:35	1
beta-BHC	0.0025	U	0.0059	0.0025	0.0012	mg/Kg	☼	10/29/15 01:35	1
Chlordane (technical)	**0.10**		0.059	0.023	0.010	mg/Kg	☼	10/29/15 01:35	1
Chlorobenzilate	0.20	U	0.35	0.20	0.084	mg/Kg	☼	10/29/15 01:35	1
4,4'-DDD	0.0013	U	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 01:35	1
4,4'-DDE	**0.051**	**M**	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 01:35	1
4,4'-DDT	**0.0065**	**M**	0.0059	0.0017	0.00077	mg/Kg	☼	10/29/15 01:35	1
delta-BHC	0.0017	U	0.0059	0.0017	0.00066	mg/Kg	☼	10/29/15 01:35	1
Dieldrin	0.0013	U M	0.0059	0.0013	0.00059	mg/Kg	☼	10/29/15 01:35	1
Endosulfan I	0.0013	U	0.0059	0.0013	0.00059	mg/Kg	☼	10/29/15 01:35	1
Endosulfan II	0.0013	U	0.0059	0.0013	0.00052	mg/Kg	☼	10/29/15 01:35	1

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSM1001
Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35
Matrix: Solid
Percent Solids: 89.7

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.0017	U	0.0059	0.0017	0.00073	mg/Kg	☼	10/29/15 01:35	1
Endrin	0.0017	U	0.0059	0.0017	0.00077	mg/Kg	☼	10/29/15 01:35	1
Endrin aldehyde	0.0017	U	0.0059	0.0017	0.00077	mg/Kg	☼	10/29/15 01:35	1
Endrin ketone	0.0017	U	0.0059	0.0017	0.00070	mg/Kg	☼	10/29/15 01:35	1
gamma-BHC (Lindane)	0.0013	U	0.0059	0.0013	0.00049	mg/Kg	☼	10/29/15 01:35	1
gamma-Chlordane	**0.015**	**M**	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 01:35	1
Heptachlor	0.0017	U	0.0059	0.0017	0.00066	mg/Kg	☼	10/29/15 01:35	1
Heptachlor epoxide	0.0013	U	0.0059	0.0013	0.00056	mg/Kg	☼	10/29/15 01:35	1
Isodrin	0.0032	U	0.0059	0.0032	0.0012	mg/Kg	☼	10/29/15 01:35	1
Kepone	0.12	U	0.35	0.12	0.045	mg/Kg	☼	10/29/15 01:35	1
Methoxychlor	0.0025	U	0.0059	0.0025	0.00098	mg/Kg	☼	10/29/15 01:35	1
PCB-1016	0.080	U	0.12	0.080	0.038	mg/Kg	☼	10/29/15 01:35	1
PCB-1221	0.10	U	0.12	0.10	0.052	mg/Kg	☼	10/29/15 01:35	1
PCB-1232	0.045	U	0.12	0.045	0.018	mg/Kg	☼	10/29/15 01:35	1
PCB-1242	0.045	U	0.12	0.045	0.017	mg/Kg	☼	10/29/15 01:35	1
PCB-1248	0.070	U	0.12	0.070	0.029	mg/Kg	☼	10/29/15 01:35	1
PCB-1254	0.10	U	0.12	0.10	0.035	mg/Kg	☼	10/29/15 01:35	1
PCB-1260	0.080	U	0.12	0.080	0.034	mg/Kg	☼	10/29/15 01:35	1
Toxaphene	0.045	U	0.59	0.045	0.019	mg/Kg	☼	10/29/15 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*	*M*	*44 - 129*	*10/22/15 09:33*	*10/29/15 01:35*	*1*
Tetrachloro-m-xylene	*83*	*M*	*46 - 130*	*10/22/15 09:33*	*10/29/15 01:35*	*1*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	720	350	130	ug/Kg	☼	11/06/15 20:16	10
Azinphos-ethyl	350	U	350	350	93	ug/Kg	☼	11/06/15 20:16	10
Azinphos-methyl	86	U	140	86	38	ug/Kg	☼	11/06/15 20:16	10
Bolstar	180	U	140	180	46	ug/Kg	☼	11/06/15 20:16	10
Chlorpyrifos	180	U	220	180	69	ug/Kg	☼	11/06/15 20:16	10
Coumaphos	86	U	140	86	30	ug/Kg	☼	11/06/15 20:16	10
Demeton-O	250	U	420	250	57	ug/Kg	☼	11/06/15 20:16	10
Demeton-S	110	U	160	110	52	ug/Kg	☼	11/06/15 20:16	10
Demeton, Total	180	U	420	180	81	ug/Kg	☼	11/06/15 20:16	10
Diazinon	180	U	240	180	78	ug/Kg	☼	11/06/15 20:16	10
Dichlorvos	180	U	250	180	80	ug/Kg	☼	11/06/15 20:16	10
Dimethoate	180	U	240	180	76	ug/Kg	☼	11/06/15 20:16	10
Disulfoton	180	U	520	180	83	ug/Kg	☼	11/06/15 20:16	10
EPN	86	U	140	86	40	ug/Kg	☼	11/06/15 20:16	10
Mocap	180	U	160	180	53	ug/Kg	☼	11/06/15 20:16	10
Ethyl Parathion	180	U	190	180	57	ug/Kg	☼	11/06/15 20:16	10
Famphur	86	U	140	86	35	ug/Kg	☼	11/06/15 20:16	10
Fensulfothion	180	U	270	180	88	ug/Kg	☼	11/06/15 20:16	10
Fenthion	350	U	350	350	94	ug/Kg	☼	11/06/15 20:16	10
Malathion	180	U	160	180	50	ug/Kg	☼	11/06/15 20:16	10
Merphos	180	U	320	180	55	ug/Kg	☼	11/06/15 20:16	10
Methyl parathion	180	U	220	180	68	ug/Kg	☼	11/06/15 20:16	10
Mevinphos	180	U	160	180	50	ug/Kg	☼	11/06/15 20:16	10
Phorate	180	U	220	180	61	ug/Kg	☼	11/06/15 20:16	10

Client Sample ID: AOPSM1001

Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35

Matrix: Solid
Percent Solids: 89.7

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phosmet	720	U	720	720	210	ug/Kg	☼	11/06/15 20:16	10
Ronnel	350	U	490	350	160	ug/Kg	☼	11/06/15 20:16	10
Simazine	720	U	720	720	240	ug/Kg	☼	11/06/15 20:16	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	47	ug/Kg	☼	11/06/15 20:16	10
Sulfotepp	180	U	220	180	67	ug/Kg	☼	11/06/15 20:16	10
Thionazin	180	U	190	180	60	ug/Kg	☼	11/06/15 20:16	10
Tokuthion	86	U	220	86	42	ug/Kg	☼	11/06/15 20:16	10
Trichloronate	180	U	220	180	67	ug/Kg	☼	11/06/15 20:16	10
o,o',o''-Triethylphosphorothioate	180	U	420	180	84	ug/Kg	☼	11/06/15 20:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*88*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 20:16*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7200	U	7500	7200	2400	ug/Kg	☼	10/30/15 00:58	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*94*	*D*	*47 - 161*	*10/24/15 11:05*	*10/30/15 00:58*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	350	U	720	350	93	ug/Kg	☼	11/07/15 17:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*89*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 17:33*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0056	U	0.0092	0.0056	0.0056	mg/Kg	☼	10/24/15 10:51	1
Dalapon	0.0089	U	0.11	0.0089	0.0032	mg/Kg	☼	10/24/15 10:51	1
2,4-DB	0.0056	U Q	0.0092	0.0056	0.0033	mg/Kg	☼	10/24/15 10:51	1
Dicamba	0.0056	U	0.0092	0.0056	0.0021	mg/Kg	☼	10/24/15 10:51	1
Dichlorprop	0.0022	U	0.0092	0.0022	0.0012	mg/Kg	☼	10/24/15 10:51	1
Dinoseb	0.0056	U	0.056	0.0056	0.0051	mg/Kg	☼	10/24/15 10:51	1
MCPA	0.53	U	2.2	0.53	0.21	mg/Kg	☼	10/24/15 10:51	1
MCPP	0.53	U	2.2	0.53	0.19	mg/Kg	☼	10/24/15 10:51	1
Pentachlorophenol	**0.00049**	**J M**	0.0092	0.0011	0.00047	mg/Kg	☼	10/24/15 10:51	1
Silvex (2,4,5-TP)	0.0056	U	0.0092	0.0056	0.0018	mg/Kg	☼	10/24/15 10:51	1
2,4,5-T	0.0056	U	0.0092	0.0056	0.0026	mg/Kg	☼	10/24/15 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*93*	*M*	*27 - 122*	*10/22/15 08:22*	*10/24/15 10:51*	*1*

Client Sample ID: AOPSL901

Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36

Matrix: Solid
Percent Solids: 85.9

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.51	mg/Kg	☼	10/26/15 20:47	1

Client Sample ID: AOPSL901

Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36

Matrix: Solid
Percent Solids: 85.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*132*		*68 - 134*	*10/26/15 08:30*	*10/26/15 20:47*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	84	U	93	84	59	mg/Kg	☼	11/01/15 00:04	5
Oil Range Organics (C20-C36)	560	U	560	560	560	mg/Kg	☼	11/01/15 00:04	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	11/01/15 00:04	5
JP-5	93	U Q	93	93	93	mg/Kg	☼	11/01/15 00:04	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*11/01/15 00:04*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0013	U	0.0060	0.0013	0.00053	mg/Kg	☼	10/29/15 01:50	1
alpha-BHC	0.0013	U	0.0060	0.0013	0.00049	mg/Kg	☼	10/29/15 01:50	1
alpha-Chlordane	0.0013	U	0.0060	0.0013	0.00064	mg/Kg	☼	10/29/15 01:50	1
beta-BHC	0.0026	U	0.0060	0.0026	0.0012	mg/Kg	☼	10/29/15 01:50	1
Chlordane (technical)	0.024	U	0.060	0.024	0.010	mg/Kg	☼	10/29/15 01:50	1
Chlorobenzilate	0.20	U	0.35	0.20	0.085	mg/Kg	☼	10/29/15 01:50	1
4,4'-DDD	0.0013	U	0.0060	0.0013	0.00064	mg/Kg	☼	10/29/15 01:50	1
4,4'-DDE	**0.0024**	**J**	0.0060	0.0013	0.00064	mg/Kg	☼	10/29/15 01:50	1
4,4'-DDT	**0.0014**	**J**	0.0060	0.0018	0.00078	mg/Kg	☼	10/29/15 01:50	1
delta-BHC	0.0018	U	0.0060	0.0018	0.00067	mg/Kg	☼	10/29/15 01:50	1
Dieldrin	0.0013	U	0.0060	0.0013	0.00060	mg/Kg	☼	10/29/15 01:50	1
Endosulfan I	0.0013	U	0.0060	0.0013	0.00060	mg/Kg	☼	10/29/15 01:50	1
Endosulfan II	0.0013	U	0.0060	0.0013	0.00053	mg/Kg	☼	10/29/15 01:50	1
Endosulfan sulfate	0.0018	U	0.0060	0.0018	0.00074	mg/Kg	☼	10/29/15 01:50	1
Endrin	0.0018	U	0.0060	0.0018	0.00078	mg/Kg	☼	10/29/15 01:50	1
Endrin aldehyde	0.0018	U	0.0060	0.0018	0.00078	mg/Kg	☼	10/29/15 01:50	1
Endrin ketone	0.0018	U	0.0060	0.0018	0.00071	mg/Kg	☼	10/29/15 01:50	1
gamma-BHC (Lindane)	0.0013	U	0.0060	0.0013	0.00049	mg/Kg	☼	10/29/15 01:50	1
gamma-Chlordane	0.0013	U	0.0060	0.0013	0.00064	mg/Kg	☼	10/29/15 01:50	1
Heptachlor	0.0018	U	0.0060	0.0018	0.00067	mg/Kg	☼	10/29/15 01:50	1
Heptachlor epoxide	0.0013	U	0.0060	0.0013	0.00057	mg/Kg	☼	10/29/15 01:50	1
Isodrin	0.0033	U	0.0060	0.0033	0.0012	mg/Kg	☼	10/29/15 01:50	1
Kepone	0.12	U	0.35	0.12	0.046	mg/Kg	☼	10/29/15 01:50	1
Methoxychlor	0.0026	U	0.0060	0.0026	0.00099	mg/Kg	☼	10/29/15 01:50	1
PCB-1016	0.081	U	0.12	0.081	0.039	mg/Kg	☼	10/29/15 01:50	1
PCB-1221	0.11	U	0.12	0.11	0.053	mg/Kg	☼	10/29/15 01:50	1
PCB-1232	0.046	U	0.12	0.046	0.018	mg/Kg	☼	10/29/15 01:50	1
PCB-1242	0.046	U	0.12	0.046	0.018	mg/Kg	☼	10/29/15 01:50	1
PCB-1248	0.071	U	0.12	0.071	0.029	mg/Kg	☼	10/29/15 01:50	1
PCB-1254	0.11	U	0.12	0.11	0.035	mg/Kg	☼	10/29/15 01:50	1
PCB-1260	0.081	U	0.12	0.081	0.034	mg/Kg	☼	10/29/15 01:50	1
Toxaphene	0.046	U	0.60	0.046	0.019	mg/Kg	☼	10/29/15 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*67*		*44 - 129*	*10/22/15 09:33*	*10/29/15 01:50*	*1*
Tetrachloro-m-xylene	*79*		*46 - 130*	*10/22/15 09:33*	*10/29/15 01:50*	*1*

Client Sample ID: AOPSL901

Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36

Matrix: Solid
Percent Solids: 85.9

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	770	380	140	ug/Kg	☼	11/06/15 20:46	10
Azinphos-ethyl	380	U	380	380	100	ug/Kg	☼	11/06/15 20:46	10
Azinphos-methyl	92	U	150	92	40	ug/Kg	☼	11/06/15 20:46	10
Bolstar	200	U	150	200	49	ug/Kg	☼	11/06/15 20:46	10
Chlorpyrifos	200	U	230	200	74	ug/Kg	☼	11/06/15 20:46	10
Coumaphos	92	U	150	92	32	ug/Kg	☼	11/06/15 20:46	10
Demeton-O	270	U	450	270	61	ug/Kg	☼	11/06/15 20:46	10
Demeton-S	120	U	170	120	56	ug/Kg	☼	11/06/15 20:46	10
Demeton, Total	200	U	450	200	87	ug/Kg	☼	11/06/15 20:46	10
Diazinon	200	U	250	200	84	ug/Kg	☼	11/06/15 20:46	10
Dichlorvos	200	U	270	200	85	ug/Kg	☼	11/06/15 20:46	10
Dimethoate	200	U	250	200	82	ug/Kg	☼	11/06/15 20:46	10
Disulfoton	200	U	550	200	89	ug/Kg	☼	11/06/15 20:46	10
EPN	92	U	150	92	42	ug/Kg	☼	11/06/15 20:46	10
Mocap	200	U	170	200	57	ug/Kg	☼	11/06/15 20:46	10
Ethyl Parathion	200	U	210	200	61	ug/Kg	☼	11/06/15 20:46	10
Famphur	92	U	150	92	37	ug/Kg	☼	11/06/15 20:46	10
Fensulfothion	200	U	290	200	94	ug/Kg	☼	11/06/15 20:46	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/06/15 20:46	10
Malathion	200	U	170	200	53	ug/Kg	☼	11/06/15 20:46	10
Merphos	200	U	350	200	59	ug/Kg	☼	11/06/15 20:46	10
Methyl parathion	200	U	230	200	73	ug/Kg	☼	11/06/15 20:46	10
Mevinphos	200	U	170	200	53	ug/Kg	☼	11/06/15 20:46	10
Phorate	200	U	230	200	66	ug/Kg	☼	11/06/15 20:46	10
Phosmet	770	U	770	770	220	ug/Kg	☼	11/06/15 20:46	10
Ronnel	380	U	530	380	180	ug/Kg	☼	11/06/15 20:46	10
Simazine	770	U	770	770	250	ug/Kg	☼	11/06/15 20:46	10
Tetrachlorvinphos (Stirophos)	200	U	170	200	50	ug/Kg	☼	11/06/15 20:46	10
Sulfotepp	200	U	230	200	72	ug/Kg	☼	11/06/15 20:46	10
Thionazin	200	U	210	200	64	ug/Kg	☼	11/06/15 20:46	10
Tokuthion	92	U	230	92	45	ug/Kg	☼	11/06/15 20:46	10
Trichloronate	200	U	230	200	72	ug/Kg	☼	11/06/15 20:46	10
o,o',o''-Triethylphosphorothioate	200	U	450	200	90	ug/Kg	☼	11/06/15 20:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*83*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 20:46*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7700	U	8100	7700	2600	ug/Kg	☼	10/30/15 01:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*120*	*D*	*47 - 161*	*10/24/15 11:05*	*10/30/15 01:23*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	380	U	770	380	99	ug/Kg	☼	11/07/15 18:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*82*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 18:03*	*10*

Client Sample ID: AOPSL901

Lab Sample ID: 680-117942-36
Date Collected: 10/12/15 11:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 85.9

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.029	U	0.048	0.029	0.029	mg/Kg	☼	10/24/15 11:10	5
Dalapon	0.046	U	0.58	0.046	0.017	mg/Kg	☼	10/24/15 11:10	5
2,4-DB	0.029	U Q	0.048	0.029	0.017	mg/Kg	☼	10/24/15 11:10	5
Dicamba	0.029	U	0.048	0.029	0.011	mg/Kg	☼	10/24/15 11:10	5
Dichlorprop	0.012	U	0.048	0.012	0.0064	mg/Kg	☼	10/24/15 11:10	5
Dinoseb	0.029	U	0.29	0.029	0.027	mg/Kg	☼	10/24/15 11:10	5
MCPA	2.8	U	12	2.8	1.1	mg/Kg	☼	10/24/15 11:10	5
MCPP	2.8	U	12	2.8	0.98	mg/Kg	☼	10/24/15 11:10	5
Pentachlorophenol	0.0058	U	0.048	0.0058	0.0024	mg/Kg	☼	10/24/15 11:10	5
Silvex (2,4,5-TP)	0.029	U	0.048	0.029	0.0093	mg/Kg	☼	10/24/15 11:10	5
2,4,5-T	0.029	U	0.048	0.029	0.013	mg/Kg	☼	10/24/15 11:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*177*	*M Q*	*27 - 122*	*10/22/15 08:22*	*10/24/15 11:10*	*5*

Client Sample ID: AOPSK1001

Lab Sample ID: 680-117942-37
Date Collected: 10/12/15 10:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 92.6

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.46	mg/Kg	☼	10/26/15 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*131*		*68 - 134*	*10/26/15 08:30*	*10/26/15 21:11*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	150	U	170	150	110	mg/Kg	☼	11/01/15 00:19	10
Oil Range Organics (C20-C36)	1000	U	1000	1000	1000	mg/Kg	☼	11/01/15 00:19	10
JP-4 Fuel	340	U	340	340	340	mg/Kg	☼	11/01/15 00:19	10
JP-5	170	U Q	170	170	170	mg/Kg	☼	11/01/15 00:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*11/01/15 00:19*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.029	U	0.13	0.029	0.012	mg/Kg	☼	10/29/15 02:05	25
alpha-BHC	0.029	U	0.13	0.029	0.011	mg/Kg	☼	10/29/15 02:05	25
alpha-Chlordane	0.029	U	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:05	25
beta-BHC	0.058	U	0.13	0.058	0.026	mg/Kg	☼	10/29/15 02:05	25
Chlordane (technical)	0.53	U	1.3	0.53	0.23	mg/Kg	☼	10/29/15 02:05	25
Chlorobenzilate	4.6	U	7.9	4.6	1.9	mg/Kg	☼	10/29/15 02:05	25
4,4'-DDD	**0.082**	**J D M**	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:05	25
4,4'-DDE	**16**	**J D**	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:05	25
4,4'-DDT	**0.66**	**D**	0.13	0.039	0.017	mg/Kg	☼	10/29/15 02:05	25
delta-BHC	0.039	U	0.13	0.039	0.015	mg/Kg	☼	10/29/15 02:05	25
Dieldrin	**0.074**	**J D**	0.13	0.029	0.013	mg/Kg	☼	10/29/15 02:05	25
Endosulfan I	0.029	U	0.13	0.029	0.013	mg/Kg	☼	10/29/15 02:05	25
Endosulfan II	0.029	U	0.13	0.029	0.012	mg/Kg	☼	10/29/15 02:05	25

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSK1001
Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37
Matrix: Solid
Percent Solids: 92.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.039	U	0.13	0.039	0.017	mg/Kg	☼	10/29/15 02:05	25
Endrin	0.039	U	0.13	0.039	0.017	mg/Kg	☼	10/29/15 02:05	25
Endrin aldehyde	0.039	U	0.13	0.039	0.017	mg/Kg	☼	10/29/15 02:05	25
Endrin ketone	0.039	U	0.13	0.039	0.016	mg/Kg	☼	10/29/15 02:05	25
gamma-BHC (Lindane)	0.029	U	0.13	0.029	0.011	mg/Kg	☼	10/29/15 02:05	25
gamma-Chlordane	0.029	U	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:05	25
Heptachlor	0.039	U	0.13	0.039	0.015	mg/Kg	☼	10/29/15 02:05	25
Heptachlor epoxide	0.029	U	0.13	0.029	0.013	mg/Kg	☼	10/29/15 02:05	25
Isodrin	0.072	U	0.13	0.072	0.027	mg/Kg	☼	10/29/15 02:05	25
Kepone	2.8	U	7.9	2.8	1.0	mg/Kg	☼	10/29/15 02:05	25
Methoxychlor	0.058	U	0.13	0.058	0.022	mg/Kg	☼	10/29/15 02:05	25
PCB-1016	1.8	U	2.6	1.8	0.87	mg/Kg	☼	10/29/15 02:05	25
PCB-1221	2.4	U	2.6	2.4	1.2	mg/Kg	☼	10/29/15 02:05	25
PCB-1232	1.0	U	2.6	1.0	0.41	mg/Kg	☼	10/29/15 02:05	25
PCB-1242	1.0	U	2.6	1.0	0.39	mg/Kg	☼	10/29/15 02:05	25
PCB-1248	1.6	U	2.6	1.6	0.65	mg/Kg	☼	10/29/15 02:05	25
PCB-1254	2.4	U	2.6	2.4	0.79	mg/Kg	☼	10/29/15 02:05	25
PCB-1260	1.8	U	2.6	1.8	0.76	mg/Kg	☼	10/29/15 02:05	25
Toxaphene	1.0	U	13	1.0	0.43	mg/Kg	☼	10/29/15 02:05	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/29/15 02:05*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/29/15 02:05*	*25*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.29	U	1.3	0.29	0.12	mg/Kg	☼	10/29/15 02:21	250
alpha-BHC	0.29	U	1.3	0.29	0.11	mg/Kg	☼	10/29/15 02:21	250
alpha-Chlordane	0.29	U	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:21	250
beta-BHC	0.58	U	1.3	0.58	0.26	mg/Kg	☼	10/29/15 02:21	250
Chlordane (technical)	5.3	U	13	5.3	2.3	mg/Kg	☼	10/29/15 02:21	250
Chlorobenzilate	46	U	79	46	19	mg/Kg	☼	10/29/15 02:21	250
4,4'-DDD	0.29	U	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:21	250
4,4'-DDE	**16**	**D**	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:21	250
4,4'-DDT	**0.66**	**J D**	1.3	0.39	0.17	mg/Kg	☼	10/29/15 02:21	250
delta-BHC	0.39	U	1.3	0.39	0.15	mg/Kg	☼	10/29/15 02:21	250
Dieldrin	0.29	U	1.3	0.29	0.13	mg/Kg	☼	10/29/15 02:21	250
Endosulfan I	0.29	U	1.3	0.29	0.13	mg/Kg	☼	10/29/15 02:21	250
Endosulfan II	0.29	U	1.3	0.29	0.12	mg/Kg	☼	10/29/15 02:21	250
Endosulfan sulfate	0.39	U	1.3	0.39	0.17	mg/Kg	☼	10/29/15 02:21	250
Endrin	0.39	U	1.3	0.39	0.17	mg/Kg	☼	10/29/15 02:21	250
Endrin aldehyde	0.39	U	1.3	0.39	0.17	mg/Kg	☼	10/29/15 02:21	250
Endrin ketone	0.39	U	1.3	0.39	0.16	mg/Kg	☼	10/29/15 02:21	250
gamma-BHC (Lindane)	0.29	U	1.3	0.29	0.11	mg/Kg	☼	10/29/15 02:21	250
gamma-Chlordane	0.29	U	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:21	250
Heptachlor	0.39	U	1.3	0.39	0.15	mg/Kg	☼	10/29/15 02:21	250
Heptachlor epoxide	0.29	U	1.3	0.29	0.13	mg/Kg	☼	10/29/15 02:21	250
Isodrin	0.72	U	1.3	0.72	0.27	mg/Kg	☼	10/29/15 02:21	250
Kepone	28	U	79	28	10	mg/Kg	☼	10/29/15 02:21	250
Methoxychlor	0.58	U	1.3	0.58	0.22	mg/Kg	☼	10/29/15 02:21	250

Client Sample ID: AOPSK1001
Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37
Matrix: Solid
Percent Solids: 92.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1016	18	U	26	18	8.7	mg/Kg	☼	10/29/15 02:21	250
PCB-1221	24	U	26	24	12	mg/Kg	☼	10/29/15 02:21	250
PCB-1232	10	U	26	10	4.1	mg/Kg	☼	10/29/15 02:21	250
PCB-1242	10	U	26	10	3.9	mg/Kg	☼	10/29/15 02:21	250
PCB-1248	16	U	26	16	6.5	mg/Kg	☼	10/29/15 02:21	250
PCB-1254	24	U	26	24	7.9	mg/Kg	☼	10/29/15 02:21	250
PCB-1260	18	U	26	18	7.6	mg/Kg	☼	10/29/15 02:21	250
Toxaphene	10	U	130	10	4.3	mg/Kg	☼	10/29/15 02:21	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/29/15 02:21*	*250*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/29/15 02:21*	*250*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	700	350	130	ug/Kg	☼	11/06/15 21:16	10
Azinphos-ethyl	350	U	350	350	91	ug/Kg	☼	11/06/15 21:16	10
Azinphos-methyl	84	U	140	84	37	ug/Kg	☼	11/06/15 21:16	10
Bolstar	180	U	140	180	44	ug/Kg	☼	11/06/15 21:16	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	11/06/15 21:16	10
Coumaphos	84	U	140	84	29	ug/Kg	☼	11/06/15 21:16	10
Demeton-O	240	U	410	240	55	ug/Kg	☼	11/06/15 21:16	10
Demeton-S	100	U	160	100	51	ug/Kg	☼	11/06/15 21:16	10
Demeton, Total	180	U	410	180	79	ug/Kg	☼	11/06/15 21:16	10
Diazinon	180	U	230	180	76	ug/Kg	☼	11/06/15 21:16	10
Dichlorvos	180	U	240	180	78	ug/Kg	☼	11/06/15 21:16	10
Dimethoate	180	U	230	180	74	ug/Kg	☼	11/06/15 21:16	10
Disulfoton	180	U	500	180	81	ug/Kg	☼	11/06/15 21:16	10
EPN	84	U	140	84	39	ug/Kg	☼	11/06/15 21:16	10
Mocap	180	U	160	180	52	ug/Kg	☼	11/06/15 21:16	10
Ethyl Parathion	180	U	190	180	55	ug/Kg	☼	11/06/15 21:16	10
Famphur	84	U	140	84	34	ug/Kg	☼	11/06/15 21:16	10
Fensulfothion	180	U	260	180	85	ug/Kg	☼	11/06/15 21:16	10
Fenthion	350	U	350	350	92	ug/Kg	☼	11/06/15 21:16	10
Malathion	180	U	160	180	49	ug/Kg	☼	11/06/15 21:16	10
Merphos	180	U	310	180	54	ug/Kg	☼	11/06/15 21:16	10
Methyl parathion	180	U	210	180	67	ug/Kg	☼	11/06/15 21:16	10
Mevinphos	180	U	160	180	48	ug/Kg	☼	11/06/15 21:16	10
Phorate	180	U	210	180	60	ug/Kg	☼	11/06/15 21:16	10
Phosmet	700	U	700	700	200	ug/Kg	☼	11/06/15 21:16	10
Ronnel	350	U	480	350	160	ug/Kg	☼	11/06/15 21:16	10
Simazine	700	U	700	700	230	ug/Kg	☼	11/06/15 21:16	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	11/06/15 21:16	10
Sulfotepp	180	U	210	180	66	ug/Kg	☼	11/06/15 21:16	10
Thionazin	180	U	190	180	58	ug/Kg	☼	11/06/15 21:16	10
Tokuthion	84	U	210	84	41	ug/Kg	☼	11/06/15 21:16	10
Trichloronate	180	U	210	180	66	ug/Kg	☼	11/06/15 21:16	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	82	ug/Kg	☼	11/06/15 21:16	10

Client Sample ID: AOPSK1001

Lab Sample ID: 680-117942-37
Date Collected: 10/12/15 10:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 92.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*103*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 21:16*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7000	U	7300	7000	2400	ug/Kg	☼	10/30/15 01:48	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*98*	*D*	*47 - 161*	*10/24/15 11:05*	*10/30/15 01:48*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	350	U	700	350	90	ug/Kg	☼	11/07/15 18:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*103*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 18:34*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.054	U	0.089	0.054	0.054	mg/Kg	☼	10/24/15 11:28	10
Dalapon	0.086	U	1.1	0.086	0.031	mg/Kg	☼	10/24/15 11:28	10
2,4-DB	0.054	U Q	0.089	0.054	0.032	mg/Kg	☼	10/24/15 11:28	10
Dicamba	0.054	U	0.089	0.054	0.020	mg/Kg	☼	10/24/15 11:28	10
Dichlorprop	0.022	U	0.089	0.022	0.012	mg/Kg	☼	10/24/15 11:28	10
Dinoseb	0.054	U	0.54	0.054	0.050	mg/Kg	☼	10/24/15 11:28	10
MCPA	5.2	U	22	5.2	2.0	mg/Kg	☼	10/24/15 11:28	10
MCPP	5.2	U	22	5.2	1.8	mg/Kg	☼	10/24/15 11:28	10
Pentachlorophenol	0.011	U	0.089	0.011	0.0045	mg/Kg	☼	10/24/15 11:28	10
Silvex (2,4,5-TP)	0.054	U	0.089	0.054	0.017	mg/Kg	☼	10/24/15 11:28	10
2,4,5-T	0.054	U	0.089	0.054	0.025	mg/Kg	☼	10/24/15 11:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 11:28*	*10*

Client Sample ID: AOPCK1001

Lab Sample ID: 680-117942-38
Date Collected: 10/12/15 10:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 93.4

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.48	mg/Kg	☼	10/26/15 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*134*		*68 - 134*	*10/26/15 08:30*	*10/26/15 21:34*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	170	160	110	mg/Kg	☼	11/01/15 00:34	10
Oil Range Organics (C20-C36)	1000	U	1000	1000	1000	mg/Kg	☼	11/01/15 00:34	10
JP-4 Fuel	340	U	340	340	340	mg/Kg	☼	11/01/15 00:34	10
JP-5	170	U Q	170	170	170	mg/Kg	☼	11/01/15 00:34	10

Client Sample ID: AOPCK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38

Matrix: Solid
Percent Solids: 93.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*11/01/15 00:34*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.029	U	0.13	0.029	0.012	mg/Kg	☼	10/29/15 02:36	25
alpha-BHC	0.029	U	0.13	0.029	0.011	mg/Kg	☼	10/29/15 02:36	25
alpha-Chlordane	0.029	U	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:36	25
beta-BHC	0.057	U	0.13	0.057	0.026	mg/Kg	☼	10/29/15 02:36	25
Chlordane (technical)	0.52	U	1.3	0.52	0.23	mg/Kg	☼	10/29/15 02:36	25
Chlorobenzilate	4.5	U	7.8	4.5	1.9	mg/Kg	☼	10/29/15 02:36	25
4,4'-DDD	**0.081**	**J D M**	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:36	25
4,4'-DDE	**13**	**J D M**	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:36	25
4,4'-DDT	**0.59**	**D M**	0.13	0.039	0.017	mg/Kg	☼	10/29/15 02:36	25
delta-BHC	0.039	U	0.13	0.039	0.015	mg/Kg	☼	10/29/15 02:36	25
Dieldrin	**0.078**	**J D M**	0.13	0.029	0.013	mg/Kg	☼	10/29/15 02:36	25
Endosulfan I	0.029	U	0.13	0.029	0.013	mg/Kg	☼	10/29/15 02:36	25
Endosulfan II	0.029	U	0.13	0.029	0.012	mg/Kg	☼	10/29/15 02:36	25
Endosulfan sulfate	0.039	U	0.13	0.039	0.016	mg/Kg	☼	10/29/15 02:36	25
Endrin	0.039	U	0.13	0.039	0.017	mg/Kg	☼	10/29/15 02:36	25
Endrin aldehyde	0.039	U	0.13	0.039	0.017	mg/Kg	☼	10/29/15 02:36	25
Endrin ketone	0.039	U	0.13	0.039	0.016	mg/Kg	☼	10/29/15 02:36	25
gamma-BHC (Lindane)	0.029	U	0.13	0.029	0.011	mg/Kg	☼	10/29/15 02:36	25
gamma-Chlordane	0.029	U	0.13	0.029	0.014	mg/Kg	☼	10/29/15 02:36	25
Heptachlor	0.039	U	0.13	0.039	0.015	mg/Kg	☼	10/29/15 02:36	25
Heptachlor epoxide	0.029	U	0.13	0.029	0.012	mg/Kg	☼	10/29/15 02:36	25
Isodrin	0.072	U	0.13	0.072	0.027	mg/Kg	☼	10/29/15 02:36	25
Kepone	2.7	U	7.8	2.7	1.0	mg/Kg	☼	10/29/15 02:36	25
Methoxychlor	0.057	U	0.13	0.057	0.022	mg/Kg	☼	10/29/15 02:36	25
PCB-1016	1.8	U	2.6	1.8	0.86	mg/Kg	☼	10/29/15 02:36	25
PCB-1221	2.3	U	2.6	2.3	1.2	mg/Kg	☼	10/29/15 02:36	25
PCB-1232	1.0	U	2.6	1.0	0.41	mg/Kg	☼	10/29/15 02:36	25
PCB-1242	1.0	U	2.6	1.0	0.39	mg/Kg	☼	10/29/15 02:36	25
PCB-1248	1.6	U	2.6	1.6	0.64	mg/Kg	☼	10/29/15 02:36	25
PCB-1254	2.3	U	2.6	2.3	0.78	mg/Kg	☼	10/29/15 02:36	25
PCB-1260	1.8	U	2.6	1.8	0.75	mg/Kg	☼	10/29/15 02:36	25
Toxaphene	1.0	U	13	1.0	0.43	mg/Kg	☼	10/29/15 02:36	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/29/15 02:36*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/29/15 02:36*	*25*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.29	U	1.3	0.29	0.12	mg/Kg	☼	10/29/15 02:52	250
alpha-BHC	0.29	U	1.3	0.29	0.11	mg/Kg	☼	10/29/15 02:52	250
alpha-Chlordane	0.29	U	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:52	250
beta-BHC	0.57	U	1.3	0.57	0.26	mg/Kg	☼	10/29/15 02:52	250
Chlordane (technical)	5.2	U	13	5.2	2.3	mg/Kg	☼	10/29/15 02:52	250
Chlorobenzilate	45	U	78	45	19	mg/Kg	☼	10/29/15 02:52	250
4,4'-DDD	0.29	U	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:52	250
4,4'-DDE	**13**	**D**	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:52	250

Client Sample ID: AOPCK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38

Matrix: Solid
Percent Solids: 93.4

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDT	0.59	J D	1.3	0.39	0.17	mg/Kg	☼	10/29/15 02:52	250
delta-BHC	0.39	U	1.3	0.39	0.15	mg/Kg	☼	10/29/15 02:52	250
Dieldrin	0.29	U	1.3	0.29	0.13	mg/Kg	☼	10/29/15 02:52	250
Endosulfan I	0.29	U	1.3	0.29	0.13	mg/Kg	☼	10/29/15 02:52	250
Endosulfan II	0.29	U	1.3	0.29	0.12	mg/Kg	☼	10/29/15 02:52	250
Endosulfan sulfate	0.39	U	1.3	0.39	0.16	mg/Kg	☼	10/29/15 02:52	250
Endrin	0.39	U	1.3	0.39	0.17	mg/Kg	☼	10/29/15 02:52	250
Endrin aldehyde	0.39	U	1.3	0.39	0.17	mg/Kg	☼	10/29/15 02:52	250
Endrin ketone	0.39	U	1.3	0.39	0.16	mg/Kg	☼	10/29/15 02:52	250
gamma-BHC (Lindane)	0.29	U	1.3	0.29	0.11	mg/Kg	☼	10/29/15 02:52	250
gamma-Chlordane	0.29	U	1.3	0.29	0.14	mg/Kg	☼	10/29/15 02:52	250
Heptachlor	0.39	U	1.3	0.39	0.15	mg/Kg	☼	10/29/15 02:52	250
Heptachlor epoxide	0.29	U	1.3	0.29	0.12	mg/Kg	☼	10/29/15 02:52	250
Isodrin	0.72	U	1.3	0.72	0.27	mg/Kg	☼	10/29/15 02:52	250
Kepone	27	U	78	27	10	mg/Kg	☼	10/29/15 02:52	250
Methoxychlor	0.57	U	1.3	0.57	0.22	mg/Kg	☼	10/29/15 02:52	250
PCB-1016	18	U	26	18	8.6	mg/Kg	☼	10/29/15 02:52	250
PCB-1221	23	U	26	23	12	mg/Kg	☼	10/29/15 02:52	250
PCB-1232	10	U	26	10	4.1	mg/Kg	☼	10/29/15 02:52	250
PCB-1242	10	U	26	10	3.9	mg/Kg	☼	10/29/15 02:52	250
PCB-1248	16	U	26	16	6.4	mg/Kg	☼	10/29/15 02:52	250
PCB-1254	23	U	26	23	7.8	mg/Kg	☼	10/29/15 02:52	250
PCB-1260	18	U	26	18	7.5	mg/Kg	☼	10/29/15 02:52	250
Toxaphene	10	U	130	10	4.3	mg/Kg	☼	10/29/15 02:52	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/22/15 09:33*	*10/29/15 02:52*	*250*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/22/15 09:33*	*10/29/15 02:52*	*250*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	700	350	130	ug/Kg	☼	11/06/15 21:46	10
Azinphos-ethyl	350	U	350	350	91	ug/Kg	☼	11/06/15 21:46	10
Azinphos-methyl	84	U	140	84	37	ug/Kg	☼	11/06/15 21:46	10
Bolstar	180	U	140	180	44	ug/Kg	☼	11/06/15 21:46	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	11/06/15 21:46	10
Coumaphos	84	U	140	84	29	ug/Kg	☼	11/06/15 21:46	10
Demeton-O	240	U	410	240	55	ug/Kg	☼	11/06/15 21:46	10
Demeton-S	100	U	160	100	51	ug/Kg	☼	11/06/15 21:46	10
Demeton, Total	180	U	410	180	79	ug/Kg	☼	11/06/15 21:46	10
Diazinon	180	U	230	180	76	ug/Kg	☼	11/06/15 21:46	10
Dichlorvos	180	U	240	180	77	ug/Kg	☼	11/06/15 21:46	10
Dimethoate	180	U	230	180	74	ug/Kg	☼	11/06/15 21:46	10
Disulfoton	180	U	500	180	81	ug/Kg	☼	11/06/15 21:46	10
EPN	84	U	140	84	39	ug/Kg	☼	11/06/15 21:46	10
Mocap	180	U	160	180	52	ug/Kg	☼	11/06/15 21:46	10
Ethyl Parathion	180	U	190	180	55	ug/Kg	☼	11/06/15 21:46	10
Famphur	84	U	140	84	34	ug/Kg	☼	11/06/15 21:46	10
Fensulfothion	180	U	260	180	85	ug/Kg	☼	11/06/15 21:46	10
Fenthion	350	U	350	350	91	ug/Kg	☼	11/06/15 21:46	10

Client Sample ID: AOPCK1001
Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38
Matrix: Solid
Percent Solids: 93.4

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Malathion	180	U	160	180	49	ug/Kg	☼	11/06/15 21:46	10
Merphos	180	U	310	180	54	ug/Kg	☼	11/06/15 21:46	10
Methyl parathion	180	U	210	180	67	ug/Kg	☼	11/06/15 21:46	10
Mevinphos	180	U	160	180	48	ug/Kg	☼	11/06/15 21:46	10
Phorate	180	U	210	180	60	ug/Kg	☼	11/06/15 21:46	10
Phosmet	700	U	700	700	200	ug/Kg	☼	11/06/15 21:46	10
Ronnel	350	U	480	350	160	ug/Kg	☼	11/06/15 21:46	10
Simazine	700	U	700	700	230	ug/Kg	☼	11/06/15 21:46	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	11/06/15 21:46	10
Sulfotepp	180	U	210	180	66	ug/Kg	☼	11/06/15 21:46	10
Thionazin	180	U	190	180	58	ug/Kg	☼	11/06/15 21:46	10
Tokuthion	84	U	210	84	41	ug/Kg	☼	11/06/15 21:46	10
Trichloronate	180	U	210	180	65	ug/Kg	☼	11/06/15 21:46	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	82	ug/Kg	☼	11/06/15 21:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*95*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 21:46*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7000	U	7300	7000	2400	ug/Kg	☼	10/30/15 02:13	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*94*	*D*	*47 - 161*	*10/24/15 11:05*	*10/30/15 02:13*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	350	U	700	350	90	ug/Kg	☼	11/07/15 19:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*95*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 19:04*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.053	U	0.089	0.053	0.053	mg/Kg	☼	10/24/15 11:46	10
Dalapon	0.085	U	1.1	0.085	0.031	mg/Kg	☼	10/24/15 11:46	10
2,4-DB	0.053	U Q	0.089	0.053	0.032	mg/Kg	☼	10/24/15 11:46	10
Dicamba	0.053	U	0.089	0.053	0.020	mg/Kg	☼	10/24/15 11:46	10
Dichlorprop	0.021	U	0.089	0.021	0.012	mg/Kg	☼	10/24/15 11:46	10
Dinoseb	0.053	U	0.53	0.053	0.049	mg/Kg	☼	10/24/15 11:46	10
MCPA	5.1	U	21	5.1	2.0	mg/Kg	☼	10/24/15 11:46	10
MCPP	5.1	U	21	5.1	1.8	mg/Kg	☼	10/24/15 11:46	10
Pentachlorophenol	0.011	U	0.089	0.011	0.0045	mg/Kg	☼	10/24/15 11:46	10
Silvex (2,4,5-TP)	0.053	U	0.089	0.053	0.017	mg/Kg	☼	10/24/15 11:46	10
2,4,5-T	0.053	U	0.089	0.053	0.025	mg/Kg	☼	10/24/15 11:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 11:46*	*10*

Client Sample Results

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSK901
Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39
Matrix: Solid
Percent Solids: 66.0

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.8	U	1.8	1.8	0.71	mg/Kg	☼	10/26/15 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*68 - 134*	*10/26/15 08:30*	*10/26/15 21:58*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	110	U	120	110	77	mg/Kg	☼	10/31/15 01:11	5
Oil Range Organics (C20-C36)	730	U	730	730	730	mg/Kg	☼	10/31/15 01:11	5
JP-4 Fuel	240	U	240	240	240	mg/Kg	☼	10/31/15 01:11	5
JP-5	120	U	120	120	120	mg/Kg	☼	10/31/15 01:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 01:11*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0086	U	0.039	0.0086	0.0035	mg/Kg	☼	10/29/15 03:07	5
alpha-BHC	0.0086	U	0.039	0.0086	0.0033	mg/Kg	☼	10/29/15 03:07	5
alpha-Chlordane	0.0086	U	0.039	0.0086	0.0042	mg/Kg	☼	10/29/15 03:07	5
beta-BHC	0.017	U	0.039	0.017	0.0077	mg/Kg	☼	10/29/15 03:07	5
Chlordane (technical)	0.16	U	0.39	0.16	0.067	mg/Kg	☼	10/29/15 03:07	5
Chlorobenzilate	1.3	U	2.3	1.3	0.56	mg/Kg	☼	10/29/15 03:07	5
4,4'-DDD	0.0086	U	0.039	0.0086	0.0042	mg/Kg	☼	10/29/15 03:07	5
4,4'-DDE	**0.089**	**D**	0.039	0.0086	0.0042	mg/Kg	☼	10/29/15 03:07	5
4,4'-DDT	**0.027**	**J D**	0.039	0.012	0.0051	mg/Kg	☼	10/29/15 03:07	5
delta-BHC	0.012	U	0.039	0.012	0.0044	mg/Kg	☼	10/29/15 03:07	5
Dieldrin	0.0086	U	0.039	0.0086	0.0039	mg/Kg	☼	10/29/15 03:07	5
Endosulfan I	0.0086	U	0.039	0.0086	0.0039	mg/Kg	☼	10/29/15 03:07	5
Endosulfan II	0.0086	U	0.039	0.0086	0.0035	mg/Kg	☼	10/29/15 03:07	5
Endosulfan sulfate	0.012	U	0.039	0.012	0.0049	mg/Kg	☼	10/29/15 03:07	5
Endrin	0.012	U	0.039	0.012	0.0051	mg/Kg	☼	10/29/15 03:07	5
Endrin aldehyde	0.012	U	0.039	0.012	0.0051	mg/Kg	☼	10/29/15 03:07	5
Endrin ketone	0.012	U	0.039	0.012	0.0046	mg/Kg	☼	10/29/15 03:07	5
gamma-BHC (Lindane)	0.0086	U	0.039	0.0086	0.0033	mg/Kg	☼	10/29/15 03:07	5
gamma-Chlordane	0.0086	U	0.039	0.0086	0.0042	mg/Kg	☼	10/29/15 03:07	5
Heptachlor	0.012	U	0.039	0.012	0.0044	mg/Kg	☼	10/29/15 03:07	5
Heptachlor epoxide	0.0086	U	0.039	0.0086	0.0037	mg/Kg	☼	10/29/15 03:07	5
Isodrin	0.021	U	0.039	0.021	0.0079	mg/Kg	☼	10/29/15 03:07	5
Kepone	0.81	U	2.3	0.81	0.30	mg/Kg	☼	10/29/15 03:07	5
Methoxychlor	0.017	U	0.039	0.017	0.0065	mg/Kg	☼	10/29/15 03:07	5
PCB-1016	0.53	U	0.77	0.53	0.26	mg/Kg	☼	10/29/15 03:07	5
PCB-1221	0.70	U	0.77	0.70	0.35	mg/Kg	☼	10/29/15 03:07	5
PCB-1232	0.30	U	0.77	0.30	0.12	mg/Kg	☼	10/29/15 03:07	5
PCB-1242	0.30	U	0.77	0.30	0.12	mg/Kg	☼	10/29/15 03:07	5
PCB-1248	0.46	U	0.77	0.46	0.19	mg/Kg	☼	10/29/15 03:07	5
PCB-1254	0.70	U	0.77	0.70	0.23	mg/Kg	☼	10/29/15 03:07	5
PCB-1260	0.53	U	0.77	0.53	0.22	mg/Kg	☼	10/29/15 03:07	5
Toxaphene	0.30	U	3.9	0.30	0.13	mg/Kg	☼	10/29/15 03:07	5

Client Sample ID: AOPSK901

Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39

Matrix: Solid
Percent Solids: 66.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		44 - 129	10/22/15 09:33	10/29/15 03:07	5
Tetrachloro-m-xylene	65		46 - 130	10/22/15 09:33	10/29/15 03:07	5

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	480	U	970	480	170	ug/Kg	☼	11/06/15 22:16	10
Azinphos-ethyl	480	U	480	480	120	ug/Kg	☼	11/06/15 22:16	10
Azinphos-methyl	120	U	190	120	50	ug/Kg	☼	11/06/15 22:16	10
Bolstar	250	U	190	250	61	ug/Kg	☼	11/06/15 22:16	10
Chlorpyrifos	250	U	290	250	93	ug/Kg	☼	11/06/15 22:16	10
Coumaphos	120	U	190	120	40	ug/Kg	☼	11/06/15 22:16	10
Demeton-O	330	U	560	330	76	ug/Kg	☼	11/06/15 22:16	10
Demeton-S	140	U	220	140	70	ug/Kg	☼	11/06/15 22:16	10
Demeton, Total	250	U	560	250	110	ug/Kg	☼	11/06/15 22:16	10
Diazinon	250	U	320	250	100	ug/Kg	☼	11/06/15 22:16	10
Dichlorvos	250	U	330	250	110	ug/Kg	☼	11/06/15 22:16	10
Dimethoate	250	U	320	250	100	ug/Kg	☼	11/06/15 22:16	10
Disulfoton	250	U	690	250	110	ug/Kg	☼	11/06/15 22:16	10
EPN	120	U	190	120	53	ug/Kg	☼	11/06/15 22:16	10
Mocap	250	U	220	250	71	ug/Kg	☼	11/06/15 22:16	10
Ethyl Parathion	250	U	260	250	76	ug/Kg	☼	11/06/15 22:16	10
Famphur	120	U	190	120	46	ug/Kg	☼	11/06/15 22:16	10
Fensulfothion	250	U	360	250	120	ug/Kg	☼	11/06/15 22:16	10
Fenthion	480	U	480	480	130	ug/Kg	☼	11/06/15 22:16	10
Malathion	250	U	220	250	67	ug/Kg	☼	11/06/15 22:16	10
Merphos	250	U	430	250	74	ug/Kg	☼	11/06/15 22:16	10
Methyl parathion	250	U	290	250	92	ug/Kg	☼	11/06/15 22:16	10
Mevinphos	250	U	220	250	67	ug/Kg	☼	11/06/15 22:16	10
Phorate	250	U	290	250	82	ug/Kg	☼	11/06/15 22:16	10
Phosmet	970	U	970	970	280	ug/Kg	☼	11/06/15 22:16	10
Ronnel	480	U	660	480	220	ug/Kg	☼	11/06/15 22:16	10
Simazine	970	U	970	970	320	ug/Kg	☼	11/06/15 22:16	10
Tetrachlorvinphos (Stirophos)	250	U	220	250	63	ug/Kg	☼	11/06/15 22:16	10
Sulfotepp	250	U	290	250	90	ug/Kg	☼	11/06/15 22:16	10
Thionazin	250	U	260	250	80	ug/Kg	☼	11/06/15 22:16	10
Tokuthion	120	U	290	120	56	ug/Kg	☼	11/06/15 22:16	10
Trichloronate	250	U	290	250	90	ug/Kg	☼	11/06/15 22:16	10
o,o',o''-Triethylphosphorothioate	250	U	560	250	110	ug/Kg	☼	11/06/15 22:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	98	D	47 - 161	10/24/15 11:05	11/06/15 22:16	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	9700	U	10000	9700	3300	ug/Kg	☼	10/30/15 02:37	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	101	D	47 - 161	10/24/15 11:05	10/30/15 02:37	100

Client Sample ID: AOPSK901

Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39

Matrix: Solid
Percent Solids: 66.0

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	480	U	970	480	120	ug/Kg	☼	11/07/15 19:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*95*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 19:35*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.038	U	0.063	0.038	0.038	mg/Kg	☼	10/24/15 12:04	5
Dalapon	0.060	U	0.75	0.060	0.022	mg/Kg	☼	10/24/15 12:04	5
2,4-DB	0.038	U Q	0.063	0.038	0.023	mg/Kg	☼	10/24/15 12:04	5
Dicamba	0.038	U	0.063	0.038	0.014	mg/Kg	☼	10/24/15 12:04	5
Dichlorprop	0.015	U	0.063	0.015	0.0083	mg/Kg	☼	10/24/15 12:04	5
Dinoseb	0.038	U	0.38	0.038	0.035	mg/Kg	☼	10/24/15 12:04	5
MCPA	3.6	U	15	3.6	1.4	mg/Kg	☼	10/24/15 12:04	5
MCPP	3.6	U	15	3.6	1.3	mg/Kg	☼	10/24/15 12:04	5
Pentachlorophenol	0.0075	U	0.063	0.0075	0.0032	mg/Kg	☼	10/24/15 12:04	5
Silvex (2,4,5-TP)	0.038	U	0.063	0.038	0.012	mg/Kg	☼	10/24/15 12:04	5
2,4,5-T	0.038	U	0.063	0.038	0.017	mg/Kg	☼	10/24/15 12:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*74*		*27 - 122*	*10/22/15 08:22*	*10/24/15 12:04*	*5*

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.52	mg/Kg	☼	10/26/15 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*133*		*68 - 134*	*10/26/15 08:30*	*10/26/15 22:21*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	87	U	96	87	61	mg/Kg	☼	10/31/15 01:26	5
Oil Range Organics (C20-C36)	580	U	580	580	580	mg/Kg	☼	10/31/15 01:26	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/31/15 01:26	5
JP-5	96	U	96	96	96	mg/Kg	☼	10/31/15 01:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/22/15 10:48*	*10/31/15 01:26*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0063	U	0.029	0.0063	0.0026	mg/Kg	☼	10/31/15 20:04	5
alpha-BHC	0.0063	U	0.029	0.0063	0.0024	mg/Kg	☼	10/31/15 20:04	5
alpha-Chlordane	**0.16**	**D M**	0.029	0.0063	0.0031	mg/Kg	☼	10/31/15 20:04	5
beta-BHC	0.012	U	0.029	0.012	0.0056	mg/Kg	☼	10/31/15 20:04	5
Chlordane (technical)	**0.32**	**D**	0.29	0.11	0.050	mg/Kg	☼	10/31/15 20:04	5
Chlorobenzilate	0.99	U	1.7	0.99	0.41	mg/Kg	☼	10/31/15 20:04	5

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.0063	U	0.029	0.0063	0.0031	mg/Kg	☼	10/31/15 20:04	5
4,4'-DDE	**0.036**	**D M**	0.029	0.0063	0.0031	mg/Kg	☼	10/31/15 20:04	5
4,4'-DDT	**0.042**	**D M**	0.029	0.0086	0.0038	mg/Kg	☼	10/31/15 20:04	5
delta-BHC	0.0086	U	0.029	0.0086	0.0033	mg/Kg	☼	10/31/15 20:04	5
Dieldrin	0.0063	U	0.029	0.0063	0.0029	mg/Kg	☼	10/31/15 20:04	5
Endosulfan I	0.0063	U	0.029	0.0063	0.0029	mg/Kg	☼	10/31/15 20:04	5
Endosulfan II	0.0063	U	0.029	0.0063	0.0026	mg/Kg	☼	10/31/15 20:04	5
Endosulfan sulfate	0.0086	U	0.029	0.0086	0.0036	mg/Kg	☼	10/31/15 20:04	5
Endrin	0.0086	U	0.029	0.0086	0.0038	mg/Kg	☼	10/31/15 20:04	5
Endrin aldehyde	0.0086	U	0.029	0.0086	0.0038	mg/Kg	☼	10/31/15 20:04	5
Endrin ketone	0.0086	U	0.029	0.0086	0.0034	mg/Kg	☼	10/31/15 20:04	5
gamma-BHC (Lindane)	0.0063	U	0.029	0.0063	0.0024	mg/Kg	☼	10/31/15 20:04	5
gamma-Chlordane	**0.029**	**D**	0.029	0.0063	0.0031	mg/Kg	☼	10/31/15 20:04	5
Heptachlor	0.0086	U	0.029	0.0086	0.0033	mg/Kg	☼	10/31/15 20:04	5
Heptachlor epoxide	0.0063	U M	0.029	0.0063	0.0027	mg/Kg	☼	10/31/15 20:04	5
Isodrin	0.016	U	0.029	0.016	0.0058	mg/Kg	☼	10/31/15 20:04	5
Kepone	0.60	U	1.7	0.60	0.22	mg/Kg	☼	10/31/15 20:04	5
Methoxychlor	0.012	U	0.029	0.012	0.0048	mg/Kg	☼	10/31/15 20:04	5
PCB-1016	0.39	U	0.56	0.39	0.19	mg/Kg	☼	10/31/15 20:04	5
PCB-1221	0.51	U	0.56	0.51	0.26	mg/Kg	☼	10/31/15 20:04	5
PCB-1232	0.22	U	0.56	0.22	0.089	mg/Kg	☼	10/31/15 20:04	5
PCB-1242	0.22	U	0.56	0.22	0.086	mg/Kg	☼	10/31/15 20:04	5
PCB-1248	0.34	U	0.56	0.34	0.14	mg/Kg	☼	10/31/15 20:04	5
PCB-1254	0.51	U	0.56	0.51	0.17	mg/Kg	☼	10/31/15 20:04	5
PCB-1260	0.39	U	0.56	0.39	0.16	mg/Kg	☼	10/31/15 20:04	5
Toxaphene	0.22	U	2.9	0.22	0.094	mg/Kg	☼	10/31/15 20:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*44 - 129*	*10/22/15 09:33*	*10/31/15 20:04*	*5*
Tetrachloro-m-xylene	*78*		*46 - 130*	*10/22/15 09:33*	*10/31/15 20:04*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	730	360	130	ug/Kg	☼	11/06/15 22:47	10
Azinphos-ethyl	360	U	360	360	94	ug/Kg	☼	11/06/15 22:47	10
Azinphos-methyl	87	U	140	87	38	ug/Kg	☼	11/06/15 22:47	10
Bolstar	180	U	140	180	46	ug/Kg	☼	11/06/15 22:47	10
Chlorpyrifos	180	U	220	180	70	ug/Kg	☼	11/06/15 22:47	10
Coumaphos	87	U	140	87	30	ug/Kg	☼	11/06/15 22:47	10
Demeton-O	250	U	420	250	57	ug/Kg	☼	11/06/15 22:47	10
Demeton-S	110	U	160	110	53	ug/Kg	☼	11/06/15 22:47	10
Demeton, Total	180	U	420	180	81	ug/Kg	☼	11/06/15 22:47	10
Diazinon	180	U	240	180	79	ug/Kg	☼	11/06/15 22:47	10
Dichlorvos	180	U	250	180	80	ug/Kg	☼	11/06/15 22:47	10
Dimethoate	180	U	240	180	77	ug/Kg	☼	11/06/15 22:47	10
Disulfoton	180	U	520	180	84	ug/Kg	☼	11/06/15 22:47	10
EPN	87	U	140	87	40	ug/Kg	☼	11/06/15 22:47	10
Mocap	180	U	160	180	53	ug/Kg	☼	11/06/15 22:47	10
Ethyl Parathion	180	U	190	180	57	ug/Kg	☼	11/06/15 22:47	10
Famphur	87	U	140	87	35	ug/Kg	☼	11/06/15 22:47	10

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	180	U	270	180	88	ug/Kg	☼	11/06/15 22:47	10
Fenthion	360	U	360	360	95	ug/Kg	☼	11/06/15 22:47	10
Malathion	180	U	160	180	50	ug/Kg	☼	11/06/15 22:47	10
Merphos	180	U	320	180	56	ug/Kg	☼	11/06/15 22:47	10
Methyl parathion	180	U	220	180	69	ug/Kg	☼	11/06/15 22:47	10
Mevinphos	180	U	160	180	50	ug/Kg	☼	11/06/15 22:47	10
Phorate	180	U	220	180	62	ug/Kg	☼	11/06/15 22:47	10
Phosmet	730	U	730	730	210	ug/Kg	☼	11/06/15 22:47	10
Ronnel	360	U	500	360	160	ug/Kg	☼	11/06/15 22:47	10
Simazine	730	U	730	730	240	ug/Kg	☼	11/06/15 22:47	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	47	ug/Kg	☼	11/06/15 22:47	10
Sulfotepp	180	U	220	180	68	ug/Kg	☼	11/06/15 22:47	10
Thionazin	180	U	190	180	60	ug/Kg	☼	11/06/15 22:47	10
Tokuthion	87	U	220	87	42	ug/Kg	☼	11/06/15 22:47	10
Trichloronate	180	U	220	180	68	ug/Kg	☼	11/06/15 22:47	10
o,o',o''-Triethylphosphorothioate	180	U	420	180	85	ug/Kg	☼	11/06/15 22:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*58*	*D*	*47 - 161*	*10/24/15 11:05*	*11/06/15 22:47*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7300	U	7600	7300	2400	ug/Kg	☼	10/30/15 03:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*64*	*D*	*47 - 161*	*10/24/15 11:05*	*10/30/15 03:02*	*100*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Propazine	360	U	730	360	93	ug/Kg	☼	11/07/15 20:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*62*	*D*	*47 - 161*	*10/24/15 11:05*	*11/07/15 20:05*	*10*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.056	U	0.093	0.056	0.056	mg/Kg	☼	10/24/15 15:43	10
Dalapon	0.090	U	1.1	0.090	0.032	mg/Kg	☼	10/24/15 15:43	10
2,4-DB	0.056	U Q	0.093	0.056	0.034	mg/Kg	☼	10/24/15 15:43	10
Dicamba	0.056	U	0.093	0.056	0.021	mg/Kg	☼	10/24/15 15:43	10
Dichlorprop	0.022	U	0.093	0.022	0.012	mg/Kg	☼	10/24/15 15:43	10
Dinoseb	0.056	U	0.56	0.056	0.051	mg/Kg	☼	10/24/15 15:43	10
MCPA	5.4	U	22	5.4	2.1	mg/Kg	☼	10/24/15 15:43	10
MCPP	5.4	U	22	5.4	1.9	mg/Kg	☼	10/24/15 15:43	10
Pentachlorophenol	0.011	U	0.093	0.011	0.0047	mg/Kg	☼	10/24/15 15:43	10
Silvex (2,4,5-TP)	0.056	U	0.093	0.056	0.018	mg/Kg	☼	10/24/15 15:43	10
2,4,5-T	0.056	U	0.093	0.056	0.026	mg/Kg	☼	10/24/15 15:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/22/15 08:22*	*10/24/15 15:43*	*10*

Client Sample Results

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSL1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41

Matrix: Solid
Percent Solids: 88.6

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.50	mg/Kg	☼	10/26/15 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*68 - 134*	*10/25/15 12:00*	*10/26/15 01:29*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	86	U	95	86	60	mg/Kg	☼	10/28/15 05:12	5
Oil Range Organics (C20-C36)	580	U	580	580	580	mg/Kg	☼	10/28/15 05:12	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/28/15 05:12	5
JP-5	95	U	95	95	95	mg/Kg	☼	10/28/15 05:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 05:12*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0059	U	0.027	0.0059	0.0024	mg/Kg	☼	10/30/15 16:47	5
alpha-BHC	0.0059	U	0.027	0.0059	0.0022	mg/Kg	☼	10/30/15 16:47	5
alpha-Chlordane	0.0059	U	0.027	0.0059	0.0029	mg/Kg	☼	10/30/15 16:47	5
beta-BHC	0.012	U	0.027	0.012	0.0053	mg/Kg	☼	10/30/15 16:47	5
Chlordane (technical)	0.11	U	0.27	0.11	0.046	mg/Kg	☼	10/30/15 16:47	5
Chlorobenzilate	0.93	U	1.6	0.93	0.38	mg/Kg	☼	10/30/15 16:47	5
4,4'-DDD	0.0059	U	0.027	0.0059	0.0029	mg/Kg	☼	10/30/15 16:47	5
4,4'-DDE	**0.0049**	**J D**	0.027	0.0059	0.0029	mg/Kg	☼	10/30/15 16:47	5
4,4'-DDT	**0.0049**	**J D**	0.027	0.0080	0.0035	mg/Kg	☼	10/30/15 16:47	5
delta-BHC	0.0080	U	0.027	0.0080	0.0030	mg/Kg	☼	10/30/15 16:47	5
Dieldrin	0.0059	U	0.027	0.0059	0.0027	mg/Kg	☼	10/30/15 16:47	5
Endosulfan I	0.0059	U	0.027	0.0059	0.0027	mg/Kg	☼	10/30/15 16:47	5
Endosulfan II	0.0059	U	0.027	0.0059	0.0024	mg/Kg	☼	10/30/15 16:47	5
Endosulfan sulfate	0.0080	U	0.027	0.0080	0.0034	mg/Kg	☼	10/30/15 16:47	5
Endrin	0.0080	U	0.027	0.0080	0.0035	mg/Kg	☼	10/30/15 16:47	5
Endrin aldehyde	0.0080	U	0.027	0.0080	0.0035	mg/Kg	☼	10/30/15 16:47	5
Endrin ketone	0.0080	U	0.027	0.0080	0.0032	mg/Kg	☼	10/30/15 16:47	5
gamma-BHC (Lindane)	0.0059	U	0.027	0.0059	0.0022	mg/Kg	☼	10/30/15 16:47	5
gamma-Chlordane	0.0059	U	0.027	0.0059	0.0029	mg/Kg	☼	10/30/15 16:47	5
Heptachlor	0.0080	U	0.027	0.0080	0.0030	mg/Kg	☼	10/30/15 16:47	5
Heptachlor epoxide	0.0059	U	0.027	0.0059	0.0026	mg/Kg	☼	10/30/15 16:47	5
Isodrin	0.015	U	0.027	0.015	0.0054	mg/Kg	☼	10/30/15 16:47	5
Kepone	**3.5**	**D**	1.6	0.56	0.21	mg/Kg	☼	10/30/15 16:47	5
Methoxychlor	0.012	U	0.027	0.012	0.0045	mg/Kg	☼	10/30/15 16:47	5
PCB-1016	0.37	U	0.53	0.37	0.18	mg/Kg	☼	10/30/15 16:47	5
PCB-1221	0.48	U	0.53	0.48	0.24	mg/Kg	☼	10/30/15 16:47	5
PCB-1232	0.21	U	0.53	0.21	0.083	mg/Kg	☼	10/30/15 16:47	5
PCB-1242	0.21	U	0.53	0.21	0.080	mg/Kg	☼	10/30/15 16:47	5
PCB-1248	0.32	U	0.53	0.32	0.13	mg/Kg	☼	10/30/15 16:47	5
PCB-1254	0.48	U	0.53	0.48	0.16	mg/Kg	☼	10/30/15 16:47	5
PCB-1260	0.37	U	0.53	0.37	0.15	mg/Kg	☼	10/30/15 16:47	5
Toxaphene	0.21	U	2.7	0.21	0.088	mg/Kg	☼	10/30/15 16:47	5

Client Sample ID: AOPSL1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41

Matrix: Solid
Percent Solids: 88.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		44 - 129	10/23/15 11:50	10/30/15 16:47	5
Tetrachloro-m-xylene	64		46 - 130	10/23/15 11:50	10/30/15 16:47	5

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	740	360	130	ug/Kg	☼	11/10/15 15:27	10
Azinphos-ethyl	360	U	360	360	95	ug/Kg	☼	11/10/15 15:27	10
Azinphos-methyl	88	U	140	88	39	ug/Kg	☼	11/10/15 15:27	10
Bolstar	190	U	140	190	47	ug/Kg	☼	11/10/15 15:27	10
Chlorpyrifos	190	U	220	190	71	ug/Kg	☼	11/10/15 15:27	10
Coumaphos	88	U	140	88	31	ug/Kg	☼	11/10/15 15:27	10
Demeton-O	250	U	430	250	58	ug/Kg	☼	11/10/15 15:27	10
Demeton-S	110	U	170	110	54	ug/Kg	☼	11/10/15 15:27	10
Demeton, Total	190	U	430	190	83	ug/Kg	☼	11/10/15 15:27	10
Diazinon	190	U	240	190	80	ug/Kg	☼	11/10/15 15:27	10
Dichlorvos	190	U	250	190	82	ug/Kg	☼	11/10/15 15:27	10
Dimethoate	190	U	240	190	78	ug/Kg	☼	11/10/15 15:27	10
Disulfoton	190	U	530	190	85	ug/Kg	☼	11/10/15 15:27	10
EPN	88	U	140	88	41	ug/Kg	☼	11/10/15 15:27	10
Mocap	190	U	170	190	54	ug/Kg	☼	11/10/15 15:27	10
Ethyl Parathion	190	U	200	190	58	ug/Kg	☼	11/10/15 15:27	10
Famphur	88	U	140	88	35	ug/Kg	☼	11/10/15 15:27	10
Fensulfothion	190	U	280	190	90	ug/Kg	☼	11/10/15 15:27	10
Fenthion	360	U	360	360	96	ug/Kg	☼	11/10/15 15:27	10
Malathion	190	U	170	190	51	ug/Kg	☼	11/10/15 15:27	10
Merphos	190	U	330	190	57	ug/Kg	☼	11/10/15 15:27	10
Methyl parathion	190	U	220	190	70	ug/Kg	☼	11/10/15 15:27	10
Mevinphos	190	U	170	190	51	ug/Kg	☼	11/10/15 15:27	10
Phorate	190	U	220	190	63	ug/Kg	☼	11/10/15 15:27	10
Phosmet	740	U	740	740	210	ug/Kg	☼	11/10/15 15:27	10
Propazine	360	U	740	360	95	ug/Kg	☼	11/10/15 15:27	10
Ronnel	360	U	510	360	170	ug/Kg	☼	11/10/15 15:27	10
Simazine	740	U	740	740	240	ug/Kg	☼	11/10/15 15:27	10
Tetrachlorvinphos (Stirophos)	190	U	170	190	48	ug/Kg	☼	11/10/15 15:27	10
Sulfotepp	190	U	220	190	69	ug/Kg	☼	11/10/15 15:27	10
Thionazin	190	U	200	190	61	ug/Kg	☼	11/10/15 15:27	10
Tokuthion	88	U	220	88	43	ug/Kg	☼	11/10/15 15:27	10
Trichloronate	190	U	220	190	69	ug/Kg	☼	11/10/15 15:27	10
o,o',o''-Triethylphosphorothioate	190	U	430	190	87	ug/Kg	☼	11/10/15 15:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	107	D	47 - 161	10/25/15 11:20	11/10/15 15:27	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7400	U	7700	7400	2500	ug/Kg	☼	11/09/15 20:28	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	116		47 - 161	10/25/15 11:20	11/09/15 20:28	100

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSL1001
Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41
Matrix: Solid
Percent Solids: 88.6

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0056	U	0.0094	0.0056	0.0056	mg/Kg	☼	10/24/15 17:51	1
Dalapon	0.0090	U	0.11	0.0090	0.0033	mg/Kg	☼	10/24/15 17:51	1
2,4-DB	0.0056	U Q	0.0094	0.0056	0.0034	mg/Kg	☼	10/24/15 17:51	1
Dicamba	0.0056	U	0.0094	0.0056	0.0021	mg/Kg	☼	10/24/15 17:51	1
Dichlorprop	0.0023	U	0.0094	0.0023	0.0012	mg/Kg	☼	10/24/15 17:51	1
Dinoseb	0.0056	U	0.056	0.0056	0.0052	mg/Kg	☼	10/24/15 17:51	1
MCPA	0.54	U	2.3	0.54	0.21	mg/Kg	☼	10/24/15 17:51	1
MCPP	0.54	U	2.3	0.54	0.19	mg/Kg	☼	10/24/15 17:51	1
Pentachlorophenol	**0.0010**	**J**	0.0094	0.0011	0.00047	mg/Kg	☼	10/24/15 17:51	1
Silvex (2,4,5-TP)	0.0056	U	0.0094	0.0056	0.0018	mg/Kg	☼	10/24/15 17:51	1
2,4,5-T	0.0056	U	0.0094	0.0056	0.0026	mg/Kg	☼	10/24/15 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*104*		*27 - 122*	*10/23/15 07:42*	*10/24/15 17:51*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO)

Lab Sample ID: MB 680-407239/22
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/24/15 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*68 - 134*		*10/24/15 12:42*	*1*

Lab Sample ID: MB 680-407239/6
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/24/15 05:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*114*		*68 - 134*		*10/24/15 05:41*	*1*

Lab Sample ID: LCS 680-407239/20
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.996		mg/Kg		100	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*68 - 134*

Lab Sample ID: LCSD 680-407239/21
Matrix: Solid
Analysis Batch: 407239

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	1.01		mg/Kg		101	79 - 122	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*121*		*68 - 134*

Lab Sample ID: MB 680-407291/28
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/26/15 01:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*68 - 134*		*10/26/15 01:06*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: MB 680-407291/8
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/25/15 16:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*119*		*68 - 134*		*10/25/15 16:17*	*1*

Lab Sample ID: LCS 680-407291/26
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	1.00	1.04		mg/Kg		104	79 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*117*		*68 - 134*

Lab Sample ID: LCS 680-407291/6
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	1.00	0.943		mg/Kg		94	79 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*114*		*68 - 134*

Lab Sample ID: LCSD 680-407291/27
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	1.00	0.979		mg/Kg		98	79 - 122	6	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*119*		*68 - 134*

Lab Sample ID: LCSD 680-407291/7
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	1.00	0.978		mg/Kg		98	79 - 122	4	50

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: LCSD 680-407291/7
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	111		68 - 134

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 407320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	1.7	U	5.44	5.07		mg/Kg	☼	93	79 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene	142	Q	68 - 134

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 407320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	1.7	U	5.43	5.47		mg/Kg	☼	101	79 - 122	7	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene	147	Q	68 - 134

Lab Sample ID: MB 680-407346/24
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/26/15 18:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	117		68 - 134		10/26/15 18:25	1

Lab Sample ID: MB 680-407346/6
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/26/15 10:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	111		68 - 134		10/26/15 10:58	1

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: LCS 680-407346/22
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	1.09		mg/Kg		109	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*68 - 134*

Lab Sample ID: LCS 680-407346/4
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.991		mg/Kg		99	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*112*		*68 - 134*

Lab Sample ID: LCSD 680-407346/23
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.870		mg/Kg		87	79 - 122	22	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*123*		*68 - 134*

Lab Sample ID: LCSD 680-407346/5
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.985		mg/Kg		98	79 - 122	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*113*		*68 - 134*

Lab Sample ID: MB 680-407888/6
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/29/15 02:50	1

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: MB 680-407888/6
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*112*		*68 - 134*		*10/29/15 02:50*	*1*

Lab Sample ID: LCS 680-407888/4
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	1.00	0.961		mg/Kg		96	79 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	*107*		*68 - 134*

Lab Sample ID: LCSD 680-407888/5
Matrix: Solid
Analysis Batch: 407888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	1.00	0.943		mg/Kg		94	79 - 122	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	*112*		*68 - 134*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 680-406646/21-A
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406646

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.0	U	3.3	3.0	2.1	mg/Kg		10/31/15 16:42	1
Oil Range Organics (C20-C36)	20	U	20	20	20	mg/Kg		10/31/15 16:42	1
JP-4 Fuel	6.6	U	6.6	6.6	6.6	mg/Kg		10/31/15 16:42	1
JP-5	3.3	U	3.3	3.3	3.3	mg/Kg		10/31/15 16:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*107*		*45 - 130*	*10/22/15 10:48*	*10/31/15 16:42*	*1*

Lab Sample ID: LCS 680-406646/22-A
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	33.3	37.0		mg/Kg		111	38 - 132

Method: 8015C DRO - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 680-406646/22-A
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406646

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	*108*		*45 - 130*

Lab Sample ID: LCS 680-406646/25-A
Matrix: Solid
Analysis Batch: 408392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil Range Organics (C20-C36)	66.1	69.1		mg/Kg		105	13 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	*119*		*45 - 130*

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407604

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	230	U	194	187	J D	mg/Kg	☼	96	38 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407604

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil Range Organics (C20-C36)	1500	U	392	1200	U D	mg/Kg	☼	NC	13 - 148

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407604

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406646

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	230	U	189	216	D	mg/Kg	☼	114	38 - 132	15	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407604

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406646

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil Range Organics (C20-C36)	1500	U	388	1200	U D	mg/Kg	☼	NC	13 - 148	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: MB 680-406985/21-A
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406985

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.0	U	3.3	3.0	2.1	mg/Kg		10/28/15 02:59	1
Oil Range Organics (C20-C36)	20	U	20	20	20	mg/Kg		10/28/15 02:59	1
JP-4 Fuel	6.6	U	6.6	6.6	6.6	mg/Kg		10/28/15 02:59	1
JP-5	3.3	U	3.3	3.3	3.3	mg/Kg		10/28/15 02:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*84*		*45 - 130*	*10/23/15 10:29*	*10/28/15 02:59*	*1*

Lab Sample ID: LCS 680-406985/22-A
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	33.4	27.5		mg/Kg		82	38 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*92*		*45 - 130*

Lab Sample ID: LCS 680-406985/25-A
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil Range Organics (C20-C36)	65.9	63.5		mg/Kg		96	13 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*103*		*45 - 130*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-406497/21-A
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406497

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.00037	U	0.0017	0.00037	0.00015	mg/Kg		10/28/15 19:08	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-406497/21-A
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406497

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
alpha-BHC	0.00037	U	0.0017	0.00037	0.00014	mg/Kg		10/28/15 19:08	1
alpha-Chlordane	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/28/15 19:08	1
beta-BHC	0.00073	U	0.0017	0.00073	0.00033	mg/Kg		10/28/15 19:08	1
Chlordane (technical)	0.0067	U	0.017	0.0067	0.0029	mg/Kg		10/28/15 19:08	1
Chlorobenzilate	0.058	U	0.10	0.058	0.024	mg/Kg		10/28/15 19:08	1
4,4'-DDD	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/28/15 19:08	1
4,4'-DDE	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/28/15 19:08	1
4,4'-DDT	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/28/15 19:08	1
delta-BHC	0.00050	U	0.0017	0.00050	0.00019	mg/Kg		10/28/15 19:08	1
Dieldrin	0.00037	U	0.0017	0.00037	0.00017	mg/Kg		10/28/15 19:08	1
Endosulfan I	0.00037	U	0.0017	0.00037	0.00017	mg/Kg		10/28/15 19:08	1
Endosulfan II	0.00037	U	0.0017	0.00037	0.00015	mg/Kg		10/28/15 19:08	1
Endosulfan sulfate	0.00050	U	0.0017	0.00050	0.00021	mg/Kg		10/28/15 19:08	1
Endrin	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/28/15 19:08	1
Endrin aldehyde	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/28/15 19:08	1
Endrin ketone	0.00050	U	0.0017	0.00050	0.00020	mg/Kg		10/28/15 19:08	1
gamma-BHC (Lindane)	0.00037	U	0.0017	0.00037	0.00014	mg/Kg		10/28/15 19:08	1
gamma-Chlordane	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/28/15 19:08	1
Heptachlor	0.00050	U	0.0017	0.00050	0.00019	mg/Kg		10/28/15 19:08	1
Heptachlor epoxide	0.00037	U	0.0017	0.00037	0.00016	mg/Kg		10/28/15 19:08	1
Isodrin	0.00092	U	0.0017	0.00092	0.00034	mg/Kg		10/28/15 19:08	1
Kepone	0.035	U	0.10	0.035	0.013	mg/Kg		10/28/15 19:08	1
Methoxychlor	0.00073	U	0.0017	0.00073	0.00028	mg/Kg		10/28/15 19:08	1
PCB-1016	0.023	U	0.033	0.023	0.011	mg/Kg		10/28/15 19:08	1
PCB-1221	0.030	U	0.033	0.030	0.015	mg/Kg		10/28/15 19:08	1
PCB-1232	0.013	U	0.033	0.013	0.0052	mg/Kg		10/28/15 19:08	1
PCB-1242	0.013	U	0.033	0.013	0.0050	mg/Kg		10/28/15 19:08	1
PCB-1248	0.020	U	0.033	0.020	0.0082	mg/Kg		10/28/15 19:08	1
PCB-1254	0.030	U	0.033	0.030	0.010	mg/Kg		10/28/15 19:08	1
PCB-1260	0.023	U	0.033	0.023	0.0096	mg/Kg		10/28/15 19:08	1
Toxaphene	0.013	U	0.17	0.013	0.0055	mg/Kg		10/28/15 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*44 - 129*	*10/22/15 09:33*	*10/28/15 19:08*	*1*
Tetrachloro-m-xylene	*82*		*46 - 130*	*10/22/15 09:33*	*10/28/15 19:08*	*1*

Lab Sample ID: LCS 680-406497/22-A
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.00666	0.00596		mg/Kg		89	45 - 136
alpha-BHC	0.00666	0.00555		mg/Kg		83	45 - 137
alpha-Chlordane	0.00666	0.00629		mg/Kg		94	54 - 133
beta-BHC	0.00666	0.00595		mg/Kg		89	50 - 136
4,4'-DDD	0.00666	0.00512		mg/Kg		77	56 - 139
4,4'-DDE	0.00666	0.00624		mg/Kg		94	56 - 134
4,4'-DDT	0.00666	0.00653		mg/Kg		98	50 - 141

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-406497/22-A
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	0.00666	0.00581		mg/Kg		87	47 - 139
Dieldrin	0.00666	0.00591		mg/Kg		89	56 - 136
Endosulfan I	0.00666	0.00518		mg/Kg		78	53 - 132
Endosulfan II	0.00666	0.00547		mg/Kg		82	53 - 134
Endosulfan sulfate	0.00666	0.00587		mg/Kg		88	55 - 136
Endrin	0.00666	0.00677		mg/Kg		102	57 - 140
Endrin aldehyde	0.00666	0.00555		mg/Kg		83	35 - 137
Endrin ketone	0.00666	0.00581		mg/Kg		87	55 - 136
gamma-BHC (Lindane)	0.00666	0.00546		mg/Kg		82	49 - 135
gamma-Chlordane	0.00666	0.00595		mg/Kg		89	53 - 135
Heptachlor	0.00666	0.00602		mg/Kg		90	47 - 136
Heptachlor epoxide	0.00666	0.00600		mg/Kg		90	52 - 136
Methoxychlor	0.00666	0.00695		mg/Kg		104	52 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*72*		*44 - 129*
Tetrachloro-m-xylene	*75*		*46 - 130*

Lab Sample ID: LCS 680-406497/25-A
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.398	0.320		mg/Kg		80	47 - 134
PCB-1260	0.398	0.324		mg/Kg		81	53 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*44 - 129*
Tetrachloro-m-xylene	*71*		*46 - 130*

Lab Sample ID: LCS 680-406497/28-A
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.992	0.931		mg/Kg		94	57 - 142
Isodrin	0.0165	0.0148		mg/Kg		89	16 - 130
Kepone	0.992	1.48	Q	mg/Kg		149	10 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*44 - 129*
Tetrachloro-m-xylene	*80*		*46 - 130*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	45 - 136
alpha-BHC	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	45 - 137
alpha-Chlordane	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	54 - 133
beta-BHC	0.16	U	0.00782	0.043	U	mg/Kg	☼	NC	50 - 136
4,4'-DDD	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	56 - 139
4,4'-DDE	0.16	J D J	0.00782	0.120	D 4	mg/Kg	☼	-536	56 - 134
4,4'-DDT	0.081	J D J	0.00782	0.0568	J D 4	mg/Kg	☼	-314	50 - 141
delta-BHC	0.11	U	0.00782	0.029	U	mg/Kg	☼	NC	47 - 139
Dieldrin	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	56 - 136
Endosulfan I	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	53 - 132
Endosulfan II	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	53 - 134
Endosulfan sulfate	0.11	U	0.00782	0.029	U	mg/Kg	☼	NC	55 - 136
Endrin	0.11	U	0.00782	0.029	U	mg/Kg	☼	NC	57 - 140
Endrin aldehyde	0.11	U	0.00782	0.029	U	mg/Kg	☼	NC	35 - 137
Endrin ketone	0.11	U	0.00782	0.029	U	mg/Kg	☼	NC	55 - 136
gamma-BHC (Lindane)	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	49 - 135
gamma-Chlordane	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	53 - 135
Heptachlor	0.11	U	0.00782	0.029	U	mg/Kg	☼	NC	47 - 136
Heptachlor epoxide	0.083	U	0.00782	0.022	U	mg/Kg	☼	NC	52 - 136
Methoxychlor	0.16	U	0.00782	0.043	U	mg/Kg	☼	NC	52 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	45 - 136	NC	30
alpha-BHC	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	45 - 137	NC	30
alpha-Chlordane	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	54 - 133	NC	30
beta-BHC	0.16	U	0.00766	0.042	U	mg/Kg	☼	NC	50 - 136	NC	30
4,4'-DDD	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	56 - 139	NC	30
4,4'-DDE	0.16	J D J	0.00766	0.112	D 4	mg/Kg	☼	-651	56 - 134	7	30
4,4'-DDT	0.081	J D J	0.00766	0.0518	J D 4	mg/Kg	☼	-386	50 - 141	9	30
delta-BHC	0.11	U	0.00766	0.029	U	mg/Kg	☼	NC	47 - 139	NC	30
Dieldrin	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	56 - 136	NC	30
Endosulfan I	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	53 - 132	NC	30
Endosulfan II	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	53 - 134	NC	30
Endosulfan sulfate	0.11	U	0.00766	0.029	U	mg/Kg	☼	NC	55 - 136	NC	30
Endrin	0.11	U	0.00766	0.029	U	mg/Kg	☼	NC	57 - 140	NC	30
Endrin aldehyde	0.11	U	0.00766	0.029	U	mg/Kg	☼	NC	35 - 137	NC	30
Endrin ketone	0.11	U	0.00766	0.029	U	mg/Kg	☼	NC	55 - 136	NC	30
gamma-BHC (Lindane)	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	49 - 135	NC	30
gamma-Chlordane	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	53 - 135	NC	30
Heptachlor	0.11	U	0.00766	0.029	U	mg/Kg	☼	NC	47 - 136	NC	30

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407913

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor epoxide	0.083	U	0.00766	0.021	U	mg/Kg	☼	NC	52 - 136	NC	30
Methoxychlor	0.16	U	0.00766	0.042	U	mg/Kg	☼	NC	52 - 143	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*

Lab Sample ID: MB 680-406986/21-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406986

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.00038	U	0.0017	0.00038	0.00015	mg/Kg		10/30/15 14:44	1
alpha-BHC	0.00038	U	0.0017	0.00038	0.00014	mg/Kg		10/30/15 14:44	1
alpha-Chlordane	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
beta-BHC	0.00074	U	0.0017	0.00074	0.00034	mg/Kg		10/30/15 14:44	1
Chlordane (technical)	0.0068	U	0.017	0.0068	0.0029	mg/Kg		10/30/15 14:44	1
Chlorobenzilate	0.059	U	0.10	0.059	0.024	mg/Kg		10/30/15 14:44	1
4,4'-DDD	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
4,4'-DDE	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
4,4'-DDT	0.00051	U	0.0017	0.00051	0.00022	mg/Kg		10/30/15 14:44	1
delta-BHC	0.00051	U	0.0017	0.00051	0.00019	mg/Kg		10/30/15 14:44	1
Dieldrin	0.00038	U	0.0017	0.00038	0.00017	mg/Kg		10/30/15 14:44	1
Endosulfan I	0.00038	U	0.0017	0.00038	0.00017	mg/Kg		10/30/15 14:44	1
Endosulfan II	0.00038	U	0.0017	0.00038	0.00015	mg/Kg		10/30/15 14:44	1
Endosulfan sulfate	0.00051	U	0.0017	0.00051	0.00021	mg/Kg		10/30/15 14:44	1
Endrin	0.00051	U	0.0017	0.00051	0.00022	mg/Kg		10/30/15 14:44	1
Endrin aldehyde	0.00051	U	0.0017	0.00051	0.00022	mg/Kg		10/30/15 14:44	1
Endrin ketone	0.00051	U	0.0017	0.00051	0.00020	mg/Kg		10/30/15 14:44	1
gamma-BHC (Lindane)	0.00038	U	0.0017	0.00038	0.00014	mg/Kg		10/30/15 14:44	1
gamma-Chlordane	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
Heptachlor	0.00051	U	0.0017	0.00051	0.00019	mg/Kg		10/30/15 14:44	1
Heptachlor epoxide	0.00038	U	0.0017	0.00038	0.00016	mg/Kg		10/30/15 14:44	1
Isodrin	0.00094	U	0.0017	0.00094	0.00035	mg/Kg		10/30/15 14:44	1
Kepone	0.036	U	0.10	0.036	0.013	mg/Kg		10/30/15 14:44	1
Methoxychlor	0.00074	U	0.0017	0.00074	0.00028	mg/Kg		10/30/15 14:44	1
PCB-1016	0.023	U	0.034	0.023	0.011	mg/Kg		10/30/15 14:44	1
PCB-1221	0.031	U	0.034	0.031	0.015	mg/Kg		10/30/15 14:44	1
PCB-1232	0.013	U	0.034	0.013	0.0053	mg/Kg		10/30/15 14:44	1
PCB-1242	0.013	U	0.034	0.013	0.0051	mg/Kg		10/30/15 14:44	1
PCB-1248	0.020	U	0.034	0.020	0.0083	mg/Kg		10/30/15 14:44	1
PCB-1254	0.031	U	0.034	0.031	0.010	mg/Kg		10/30/15 14:44	1
PCB-1260	0.023	U	0.034	0.023	0.0098	mg/Kg		10/30/15 14:44	1
Toxaphene	0.013	U	0.17	0.013	0.0056	mg/Kg		10/30/15 14:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*44 - 129*	*10/23/15 11:50*	*10/30/15 14:44*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-406986/21-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406986

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		46 - 130	10/23/15 11:50	10/30/15 14:44	1

Lab Sample ID: LCS 680-406986/22-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.396	0.363		mg/Kg		92	47 - 134
PCB-1260	0.396	0.364		mg/Kg		92	53 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	74		44 - 129
Tetrachloro-m-xylene	83		46 - 130

Lab Sample ID: LCS 680-406986/25-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.00653	0.00575		mg/Kg		88	45 - 136
alpha-BHC	0.00653	0.00532		mg/Kg		82	45 - 137
alpha-Chlordane	0.00653	0.00629		mg/Kg		96	54 - 133
beta-BHC	0.00653	0.00591		mg/Kg		91	50 - 136
4,4'-DDD	0.00653	0.00540		mg/Kg		83	56 - 139
4,4'-DDE	0.00653	0.00611		mg/Kg		94	56 - 134
4,4'-DDT	0.00653	0.00653		mg/Kg		100	50 - 141
delta-BHC	0.00653	0.00579		mg/Kg		89	47 - 139
Dieldrin	0.00653	0.00584		mg/Kg		89	56 - 136
Endosulfan I	0.00653	0.00375		mg/Kg		58	53 - 132
Endosulfan II	0.00653	0.00449		mg/Kg		69	53 - 134
Endosulfan sulfate	0.00653	0.00614		mg/Kg		94	55 - 136
Endrin	0.00653	0.00658		mg/Kg		101	57 - 140
Endrin aldehyde	0.00653	0.00564		mg/Kg		86	35 - 137
Endrin ketone	0.00653	0.00607		mg/Kg		93	55 - 136
gamma-BHC (Lindane)	0.00653	0.00526		mg/Kg		81	49 - 135
gamma-Chlordane	0.00653	0.00648		mg/Kg		99	53 - 135
Heptachlor	0.00653	0.00584		mg/Kg		89	47 - 136
Heptachlor epoxide	0.00653	0.00599		mg/Kg		92	52 - 136
Methoxychlor	0.00653	0.00733		mg/Kg		112	52 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	83		44 - 129
Tetrachloro-m-xylene	72		46 - 130

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-406986/28-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.987	0.964		mg/Kg		98	57 - 142
Isodrin	0.0165	0.0145		mg/Kg		88	16 - 130
Kepone	0.987	1.72	Q	mg/Kg		174	10 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*44 - 129*
Tetrachloro-m-xylene	*76*		*46 - 130*

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 301748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	33	U	67	33	12	ug/Kg		10/29/15 18:20	1
Azinphos-ethyl	33	U	33	33	8.7	ug/Kg		10/29/15 18:20	1
Azinphos-methyl	8.0	U	13	8.0	3.5	ug/Kg		10/29/15 18:20	1
Bolstar	17	U	13	17	4.2	ug/Kg		10/29/15 18:20	1
Chlorpyrifos	17	U	20	17	6.5	ug/Kg		10/29/15 18:20	1
Coumaphos	8.0	U	13	8.0	2.8	ug/Kg		10/29/15 18:20	1
Demeton-O	23	U	39	23	5.3	ug/Kg		10/29/15 18:20	1
Demeton-S	10	U	15	10	4.9	ug/Kg		10/29/15 18:20	1
Demeton, Total	17	U	39	17	7.5	ug/Kg		10/29/15 18:20	1
Diazinon	17	U	22	17	7.3	ug/Kg		10/29/15 18:20	1
Dichlorvos	17	U	23	17	7.4	ug/Kg		10/29/15 18:20	1
Dimethoate	17	U	22	17	7.1	ug/Kg		10/29/15 18:20	1
Disulfoton	17	U	48	17	7.7	ug/Kg		10/29/15 18:20	1
Mocap	17	U	15	17	4.9	ug/Kg		10/29/15 18:20	1
Ethyl Parathion	17	U	18	17	5.3	ug/Kg		10/29/15 18:20	1
Famphur	8.0	U	13	8.0	3.2	ug/Kg		10/29/15 18:20	1
Fensulfothion	17	U	25	17	8.2	ug/Kg		10/29/15 18:20	1
Fenthion	33	U	33	33	8.7	ug/Kg		10/29/15 18:20	1
Malathion	17	U	15	17	4.6	ug/Kg		10/29/15 18:20	1
Merphos	17	U	30	17	5.1	ug/Kg		10/29/15 18:20	1
Methyl parathion	17	U	20	17	6.4	ug/Kg		10/29/15 18:20	1
Mevinphos	17	U	15	17	4.6	ug/Kg		10/29/15 18:20	1
Naled	67	U	70	67	23	ug/Kg		10/29/15 18:20	1
Phorate	17	U	20	17	5.7	ug/Kg		10/29/15 18:20	1
Propazine	33	U	67	33	8.6	ug/Kg		10/29/15 18:20	1
Ronnel	33	U	46	33	15	ug/Kg		10/29/15 18:20	1
Simazine	67	U	67	67	22	ug/Kg		10/29/15 18:20	1
Tetrachlorvinphos (Stirophos)	17	U	15	17	4.4	ug/Kg		10/29/15 18:20	1
Sulfotepp	17	U	20	17	6.3	ug/Kg		10/29/15 18:20	1
Thionazin	17	U	18	17	5.6	ug/Kg		10/29/15 18:20	1
Tokuthion	8.0	U	20	8.0	3.9	ug/Kg		10/29/15 18:20	1
Trichloronate	17	U	20	17	6.3	ug/Kg		10/29/15 18:20	1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 301748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
o,o',o''-Triethylphosphorothioate	17	U	39	17	7.9	ug/Kg		10/29/15 18:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*95*		*47 - 161*	*10/24/15 11:05*	*10/29/15 18:20*	*1*

Lab Sample ID: LCS 280-300892/2-A
Matrix: Solid
Analysis Batch: 301748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	133	104		ug/Kg		78	49 - 115
Azinphos-ethyl	133	90.2		ug/Kg		68	50 - 150
Azinphos-methyl	133	102		ug/Kg		76	38 - 156
Bolstar	133	102		ug/Kg		76	48 - 139
Chlorpyrifos	133	103		ug/Kg		77	47 - 140
Coumaphos	133	126		ug/Kg		95	37 - 160
Demeton, Total	133	98.2		ug/Kg		74	43 - 117
Diazinon	133	91.7		ug/Kg		69	42 - 134
Dichlorvos	133	102		ug/Kg		76	39 - 142
Dimethoate	133	99.8		ug/Kg		75	16 - 139
Disulfoton	133	84.1	M	ug/Kg		63	28 - 145
Mocap	133	90.7		ug/Kg		68	47 - 128
Ethyl Parathion	133	105		ug/Kg		79	50 - 139
Famphur	133	114		ug/Kg		85	47 - 134
Fensulfothion	133	110		ug/Kg		82	27 - 147
Fenthion	133	99.2		ug/Kg		74	44 - 134
Malathion	133	83.1		ug/Kg		62	46 - 137
Merphos	133	31.7		ug/Kg		24	19 - 115
Methyl parathion	133	111		ug/Kg		83	49 - 138
Mevinphos	133	62.2		ug/Kg		47	10 - 226
Naled	133	43.5	J	ug/Kg		33	10 - 115
Phorate	133	66.3		ug/Kg		50	23 - 142
Propazine	133	110		ug/Kg		83	52 - 115
Ronnel	133	117		ug/Kg		88	45 - 138
Simazine	133	107		ug/Kg		80	44 - 142
Tetrachlorvinphos (Stirophos)	133	107		ug/Kg		80	42 - 140
Sulfotepp	133	84.0		ug/Kg		63	52 - 126
Thionazin	133	87.0		ug/Kg		65	44 - 124
Tokuthion	133	106		ug/Kg		80	45 - 136
Trichloronate	133	97.1		ug/Kg		73	37 - 140
o,o',o''-Triethylphosphorothioate	133	68.7		ug/Kg		51	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*95*		*47 - 161*

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 302868

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	480	U J	142	350	U Q D J	ug/Kg	☼	0	49 - 115
Azinphos-ethyl	480	U J	142	350	U D J	ug/Kg	☼	0	50 - 150
Azinphos-methyl	120	U	142	60.0	J D	ug/Kg	☼	42	38 - 156
Bolstar	250	U J	142	64.6	D J	ug/Kg	☼	46	48 - 139
Chlorpyrifos	250	U J	142	180	U D J	ug/Kg	☼	0	47 - 140
Coumaphos	120	U	142	66.1	J D	ug/Kg	☼	47	37 - 160
Demeton, Total	250	U J	142	180	U Q D J	ug/Kg	☼	0	43 - 117
Diazinon	250	U J	142	180	U Q D J	ug/Kg	☼	0	42 - 134
Dichlorvos	250	U	142	91.9	J Q D	ug/Kg	☼	65	39 - 142
Dimethoate	250	U J	142	180	U Q D J	ug/Kg	☼	0	16 - 139
Disulfoton	250	U J	142	180	U Q D J	ug/Kg	☼	0	28 - 145
EPN	120	U	142	65.9	J D	ug/Kg	☼	46	44 - 137
Mocap	250	U J	142	59.2	Q D J	ug/Kg	☼	42	47 - 128
Ethyl Parathion	250	U J	142	62.7	D J	ug/Kg	☼	44	50 - 139
Famphur	120	U J	142	64.6	D J	ug/Kg	☼	46	47 - 134
Fensulfothion	250	U J	142	180	U D J	ug/Kg	☼	0	27 - 147
Fenthion	480	U J	142	350	U D J	ug/Kg	☼	0	44 - 134
Malathion	250	U J	142	59.4	D J	ug/Kg	☼	42	46 - 137
Merphos	250	U J	142	180	U D J	ug/Kg	☼	0	19 - 115
Methyl parathion	250	U J	142	180	U D J	ug/Kg	☼	0	49 - 138
Mevinphos	250	U	142	113	J Q D	ug/Kg	☼	79	10 - 226
Naled	970	U Q	142	710	U Q D	ug/Kg	☼	NC	10 - 115
Phorate	250	U J	142	180	U Q D J	ug/Kg	☼	0	23 - 142
Phosmet	970	U	142	710	U D	ug/Kg	☼	NC	59 - 137
Propazine	480	U J	142	350	U Q D J	ug/Kg	☼	0	52 - 115
Ronnel	480	U	142	350	U D	ug/Kg	☼	NC	45 - 138
Simazine	970	U	142	710	U Q D	ug/Kg	☼	NC	44 - 142
Tetrachlorvinphos (Stirophos)	250	U J	142	57.6	D J	ug/Kg	☼	41	42 - 140
Sulfotepp	250	U J	142	180	U D M J	ug/Kg	☼	0	52 - 126
Thionazin	250	U J	142	61.2	Q D J	ug/Kg	☼	43	44 - 124
Tokuthion	120	U	142	64.2	J D	ug/Kg	☼	45	45 - 136
Trichloronate	250	U J	142	180	U D J	ug/Kg	☼	0	37 - 140
o,o',o''-Triethylphosphorothioate	250	U J	142	180	U Q D J	ug/Kg	☼	0	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Triphenylphosphate	*62*	*D*	*47 - 161*

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 302868

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	480	U J	147	360	U D J	ug/Kg	☼	0	49 - 115	NC	30
Azinphos-ethyl	480	U J	147	360	U D J	ug/Kg	☼	0	50 - 150	NC	30
Azinphos-methyl	120	U	147	72.0	J D	ug/Kg	☼	49	38 - 156	18	30
Bolstar	250	U J	147	74.4	J D	ug/Kg	☼	51	48 - 139	14	30
Chlorpyrifos	250	U J	147	190	U D J	ug/Kg	☼	0	47 - 140	NC	30
Coumaphos	120	U	147	82.3	J D	ug/Kg	☼	56	37 - 160	22	30

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 302868

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Demeton, Total	250	U J	147	190	U D J	ug/Kg	☼	0	43 - 117	NC	30
Diazinon	250	U J	147	190	U D J	ug/Kg	☼	0	42 - 134	NC	30
Dichlorvos	250	U	147	106	J D	ug/Kg	☼	72	39 - 142	14	30
Dimethoate	250	U J	147	190	U D J	ug/Kg	☼	0	16 - 139	NC	30
Disulfoton	250	U J	147	190	U D J	ug/Kg	☼	0	28 - 145	NC	30
EPN	120	U	147	78.1	J D	ug/Kg	☼	53	44 - 137	17	30
Mocap	250	U J	147	68.9	J D	ug/Kg	☼	47	47 - 128	15	30
Ethyl Parathion	250	U J	147	75.7	J D	ug/Kg	☼	51	50 - 139	19	30
Famphur	120	U J	147	77.1	J D	ug/Kg	☼	52	47 - 134	18	30
Fensulfothion	250	U J	147	190	U D J	ug/Kg	☼	0	27 - 147	NC	30
Fenthion	480	U J	147	360	U D J	ug/Kg	☼	0	44 - 134	NC	30
Malathion	250	U J	147	69.0	J D	ug/Kg	☼	47	46 - 137	15	30
Merphos	250	U J	147	190	U D J	ug/Kg	☼	0	19 - 115	NC	30
Methyl parathion	250	U J	147	75.3	D J	ug/Kg	☼	51	49 - 138	200	30
Mevinphos	250	U	147	123	J D	ug/Kg	☼	84	10 - 226	9	30
Naled	970	U Q	147	740	U D	ug/Kg	☼	NC	10 - 115	NC	30
Phorate	250	U J	147	67.3	D J	ug/Kg	☼	46	23 - 142	200	30
Phosmet	970	U	147	740	U D	ug/Kg	☼	NC	59 - 137	NC	30
Propazine	480	U J	147	360	U D J	ug/Kg	☼	0	52 - 115	NC	30
Ronnel	480	U	147	360	U D	ug/Kg	☼	NC	45 - 138	NC	30
Simazine	970	U	147	740	U D	ug/Kg	☼	NC	44 - 142	NC	30
Tetrachlorvinphos (Stirophos)	250	U J	147	67.5	J D	ug/Kg	☼	46	42 - 140	16	30
Sulfotepp	250	U J	147	82.6	D J	ug/Kg	☼	56	52 - 126	200	30
Thionazin	250	U J	147	76.0	J D	ug/Kg	☼	52	44 - 124	22	30
Tokuthion	120	U	147	75.4	J D	ug/Kg	☼	51	45 - 136	16	30
Trichloronate	250	U J	147	190	U D J	ug/Kg	☼	0	37 - 140	NC	30
o,o',o''-Triethylphosphorothioate	250	U J	147	190	U D J	ug/Kg	☼	0	40 - 120	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Triphenylphosphate	*69*	*D*	*47 - 161*

Lab Sample ID: MB 280-300944/1-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300944

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	33	U	67	33	12	ug/Kg		10/27/15 17:46	1
Azinphos-ethyl	33	U	33	33	8.7	ug/Kg		10/27/15 17:46	1
Azinphos-methyl	8.0	U	13	8.0	3.5	ug/Kg		10/27/15 17:46	1
Bolstar	17	U	13	17	4.2	ug/Kg		10/27/15 17:46	1
Chlorpyrifos	17	U	20	17	6.5	ug/Kg		10/27/15 17:46	1
Coumaphos	8.0	U	13	8.0	2.8	ug/Kg		10/27/15 17:46	1
Demeton-O	23	U	39	23	5.3	ug/Kg		10/27/15 17:46	1
Demeton-S	10	U	15	10	4.9	ug/Kg		10/27/15 17:46	1
Demeton, Total	17	U	39	17	7.5	ug/Kg		10/27/15 17:46	1
Diazinon	17	U	22	17	7.3	ug/Kg		10/27/15 17:46	1
Dichlorvos	17	U	23	17	7.4	ug/Kg		10/27/15 17:46	1
Dimethoate	17	U	22	17	7.1	ug/Kg		10/27/15 17:46	1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-300944/1-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300944

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Disulfoton	17	U	48	17	7.7	ug/Kg		10/27/15 17:46	1
EPN	8.0	U	13	8.0	3.7	ug/Kg		10/27/15 17:46	1
Mocap	17	U	15	17	4.9	ug/Kg		10/27/15 17:46	1
Ethyl Parathion	17	U	18	17	5.3	ug/Kg		10/27/15 17:46	1
Famphur	8.0	U	13	8.0	3.2	ug/Kg		10/27/15 17:46	1
Fensulfothion	17	U	25	17	8.2	ug/Kg		10/27/15 17:46	1
Fenthion	33	U	33	33	8.7	ug/Kg		10/27/15 17:46	1
Malathion	17	U	15	17	4.6	ug/Kg		10/27/15 17:46	1
Merphos	17	U	30	17	5.1	ug/Kg		10/27/15 17:46	1
Methyl parathion	17	U	20	17	6.4	ug/Kg		10/27/15 17:46	1
Mevinphos	17	U	15	17	4.6	ug/Kg		10/27/15 17:46	1
Naled	67	U	70	67	23	ug/Kg		10/27/15 17:46	1
Phorate	17	U	20	17	5.7	ug/Kg		10/27/15 17:46	1
Phosmet	67	U	67	67	19	ug/Kg		10/27/15 17:46	1
Propazine	33	U	67	33	8.6	ug/Kg		10/27/15 17:46	1
Ronnel	33	U	46	33	15	ug/Kg		10/27/15 17:46	1
Simazine	67	U	67	67	22	ug/Kg		10/27/15 17:46	1
Tetrachlorvinphos (Stirophos)	17	U	15	17	4.4	ug/Kg		10/27/15 17:46	1
Sulfotepp	17	U	20	17	6.3	ug/Kg		10/27/15 17:46	1
Thionazin	17	U	18	17	5.6	ug/Kg		10/27/15 17:46	1
Tokuthion	8.0	U	20	8.0	3.9	ug/Kg		10/27/15 17:46	1
Trichloronate	17	U	20	17	6.3	ug/Kg		10/27/15 17:46	1
o,o',o''-Triethylphosphorothioate	17	U	39	17	7.9	ug/Kg		10/27/15 17:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*112*		*47 - 161*	*10/24/15 12:30*	*10/27/15 17:46*	*1*

Lab Sample ID: LCS 280-300944/2-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	133	123		ug/Kg		92	49 - 115
Azinphos-ethyl	133	123		ug/Kg		92	50 - 150
Azinphos-methyl	133	128		ug/Kg		96	38 - 156
Bolstar	133	118		ug/Kg		89	48 - 139
Chlorpyrifos	133	124		ug/Kg		93	47 - 140
Coumaphos	133	149		ug/Kg		111	37 - 160
Demeton, Total	133	111		ug/Kg		83	43 - 117
Diazinon	133	108		ug/Kg		81	42 - 134
Dichlorvos	133	139		ug/Kg		104	39 - 142
Dimethoate	133	117		ug/Kg		88	16 - 139
Disulfoton	133	108		ug/Kg		81	28 - 145
EPN	133	118		ug/Kg		89	44 - 137
Mocap	133	105		ug/Kg		79	47 - 128
Ethyl Parathion	133	123		ug/Kg		92	50 - 139
Famphur	133	134		ug/Kg		101	47 - 134
Fensulfothion	133	130		ug/Kg		98	27 - 147

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-300944/2-A
Matrix: Solid
Analysis Batch: 301302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fenthion	133	120		ug/Kg		90	44 - 134
Malathion	133	98.9		ug/Kg		74	46 - 137
Merphos	133	40.0		ug/Kg		30	19 - 115
Methyl parathion	133	131		ug/Kg		98	49 - 138
Mevinphos	133	74.2		ug/Kg		56	10 - 226
Naled	133	67	U	ug/Kg		15	10 - 115
Phorate	133	82.7		ug/Kg		62	23 - 142
Phosmet	133	122		ug/Kg		92	59 - 137
Propazine	133	122		ug/Kg		92	52 - 115
Ronnel	133	140		ug/Kg		105	45 - 138
Simazine	133	125		ug/Kg		94	44 - 142
Tetrachlorvinphos (Stirophos)	133	125		ug/Kg		94	42 - 140
Sulfotepp	133	101		ug/Kg		76	52 - 126
Thionazin	133	107		ug/Kg		80	44 - 124
Tokuthion	133	124		ug/Kg		93	45 - 136
Trichloronate	133	113		ug/Kg		85	37 - 140
o,o',o''-Triethylphosphorothioate	133	85.1		ug/Kg		64	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*125*		*47 - 161*

Lab Sample ID: MB 280-301313/1-A
Matrix: Solid
Analysis Batch: 302868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301313

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	32	U	65	32	12	ug/Kg		11/06/15 13:30	1
Azinphos-ethyl	32	U	32	32	8.5	ug/Kg		11/06/15 13:30	1
Azinphos-methyl	7.8	U	13	7.8	3.4	ug/Kg		11/06/15 13:30	1
Bolstar	17	U	13	17	4.1	ug/Kg		11/06/15 13:30	1
Chlorpyrifos	17	U	20	17	6.3	ug/Kg		11/06/15 13:30	1
Coumaphos	7.8	U	13	7.8	2.7	ug/Kg		11/06/15 13:30	1
Demeton-O	22	U	38	22	5.2	ug/Kg		11/06/15 13:30	1
Demeton-S	9.8	U	15	9.8	4.7	ug/Kg		11/06/15 13:30	1
Demeton, Total	17	U	38	17	7.3	ug/Kg		11/06/15 13:30	1
Diazinon	17	U	21	17	7.1	ug/Kg		11/06/15 13:30	1
Dichlorvos	17	U	22	17	7.2	ug/Kg		11/06/15 13:30	1
Dimethoate	17	U	21	17	6.9	ug/Kg		11/06/15 13:30	1
Disulfoton	17	U	47	17	7.6	ug/Kg		11/06/15 13:30	1
EPN	7.8	U	13	7.8	3.6	ug/Kg		11/06/15 13:30	1
Mocap	17	U	15	17	4.8	ug/Kg		11/06/15 13:30	1
Ethyl Parathion	17	U	18	17	5.2	ug/Kg		11/06/15 13:30	1
Famphur	7.8	U	13	7.8	3.1	ug/Kg		11/06/15 13:30	1
Fensulfothion	17	U	24	17	8.0	ug/Kg		11/06/15 13:30	1
Fenthion	32	U	32	32	8.5	ug/Kg		11/06/15 13:30	1
Malathion	17	U	15	17	4.5	ug/Kg		11/06/15 13:30	1
Merphos	17	U	29	17	5.0	ug/Kg		11/06/15 13:30	1
Methyl parathion	17	U	20	17	6.2	ug/Kg		11/06/15 13:30	1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-301313/1-A
Matrix: Solid
Analysis Batch: 302868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301313

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mevinphos	17	U	15	17	4.5	ug/Kg		11/06/15 13:30	1
Naled	65	U	68	65	22	ug/Kg		11/06/15 13:30	1
Phorate	17	U	20	17	5.6	ug/Kg		11/06/15 13:30	1
Phosmet	65	U	65	65	19	ug/Kg		11/06/15 13:30	1
Propazine	32	U	65	32	8.4	ug/Kg		11/06/15 13:30	1
Ronnel	32	U	45	32	15	ug/Kg		11/06/15 13:30	1
Simazine	65	U	65	65	22	ug/Kg		11/06/15 13:30	1
Tetrachlorvinphos (Stirophos)	17	U	15	17	4.3	ug/Kg		11/06/15 13:30	1
Sulfotepp	17	U	20	17	6.1	ug/Kg		11/06/15 13:30	1
Thionazin	17	U	18	17	5.4	ug/Kg		11/06/15 13:30	1
Tokuthion	7.8	U	20	7.8	3.8	ug/Kg		11/06/15 13:30	1
Trichloronate	17	U	20	17	6.1	ug/Kg		11/06/15 13:30	1
o,o',o''-Triethylphosphorothioate	17	U	38	17	7.7	ug/Kg		11/06/15 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*118*		*47 - 161*	*10/27/15 16:55*	*11/06/15 13:30*	*1*

Lab Sample ID: LCS 280-301313/2-A
Matrix: Solid
Analysis Batch: 302868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	129	93.0		ug/Kg		72	49 - 115
Azinphos-ethyl	129	120		ug/Kg		92	50 - 150
Azinphos-methyl	129	118		ug/Kg		91	38 - 156
Bolstar	129	105		ug/Kg		81	48 - 139
Chlorpyrifos	129	123		ug/Kg		95	47 - 140
Coumaphos	129	125		ug/Kg		97	37 - 160
Demeton, Total	129	115		ug/Kg		89	43 - 117
Diazinon	129	99.7		ug/Kg		77	42 - 134
Dichlorvos	129	150		ug/Kg		116	39 - 142
Dimethoate	129	115		ug/Kg		89	16 - 139
Disulfoton	129	94.0		ug/Kg		73	28 - 145
EPN	129	116		ug/Kg		89	44 - 137
Mocap	129	100		ug/Kg		77	47 - 128
Ethyl Parathion	129	116		ug/Kg		90	50 - 139
Famphur	129	119		ug/Kg		92	47 - 134
Fensulfothion	129	129		ug/Kg		99	27 - 147
Fenthion	129	115		ug/Kg		89	44 - 134
Malathion	129	102		ug/Kg		79	46 - 137
Merphos	129	37.2		ug/Kg		29	19 - 115
Methyl parathion	129	126		ug/Kg		97	49 - 138
Mevinphos	129	90.7		ug/Kg		70	10 - 226
Naled	129	23.6	J	ug/Kg		18	10 - 115
Phorate	129	85.3		ug/Kg		66	23 - 142
Phosmet	129	120		ug/Kg		93	59 - 137
Propazine	129	97.1		ug/Kg		75	52 - 115
Ronnel	129	124		ug/Kg		96	45 - 138

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-301313/2-A
Matrix: Solid
Analysis Batch: 302868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Simazine	129	85.2		ug/Kg		66	44 - 142
Tetrachlorvinphos (Stirophos)	129	116		ug/Kg		90	42 - 140
Sulfotepp	129	102		ug/Kg		79	52 - 126
Thionazin	129	101		ug/Kg		78	44 - 124
Tokuthion	129	116		ug/Kg		90	45 - 136
Trichloronate	129	113		ug/Kg		87	37 - 140
o,o',o''-Triethylphosphorothioate	129	115		ug/Kg		89	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*121*		*47 - 161*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine - RA	33	U	67	33	12	ug/Kg		11/05/15 16:03	1
Azinphos-ethyl - RA	33	U	33	33	8.7	ug/Kg		11/05/15 16:03	1
Azinphos-methyl - RA	8.0	U	13	8.0	3.5	ug/Kg		11/05/15 16:03	1
Bolstar - RA	17	U	13	17	4.2	ug/Kg		11/05/15 16:03	1
Chlorpyrifos - RA	17	U	20	17	6.5	ug/Kg		11/05/15 16:03	1
Coumaphos - RA	8.0	U	13	8.0	2.8	ug/Kg		11/05/15 16:03	1
Demeton-O - RA	23	U	39	23	5.3	ug/Kg		11/05/15 16:03	1
Demeton-S - RA	10	U	15	10	4.9	ug/Kg		11/05/15 16:03	1
Demeton, Total - RA	17	U	39	17	7.5	ug/Kg		11/05/15 16:03	1
Diazinon - RA	17	U	22	17	7.3	ug/Kg		11/05/15 16:03	1
Dichlorvos - RA	17	U	23	17	7.4	ug/Kg		11/05/15 16:03	1
Dimethoate - RA	17	U	22	17	7.1	ug/Kg		11/05/15 16:03	1
Disulfoton - RA	17	U	48	17	7.7	ug/Kg		11/05/15 16:03	1
EPN - RA	8.0	U	13	8.0	3.7	ug/Kg		11/05/15 16:03	1
Mocap - RA	17	U	15	17	4.9	ug/Kg		11/05/15 16:03	1
Ethyl Parathion - RA	17	U	18	17	5.3	ug/Kg		11/05/15 16:03	1
Famphur - RA	8.0	U	13	8.0	3.2	ug/Kg		11/05/15 16:03	1
Fensulfothion - RA	17	U	25	17	8.2	ug/Kg		11/05/15 16:03	1
Fenthion - RA	33	U	33	33	8.7	ug/Kg		11/05/15 16:03	1
Malathion - RA	17	U	15	17	4.6	ug/Kg		11/05/15 16:03	1
Merphos - RA	17	U	30	17	5.1	ug/Kg		11/05/15 16:03	1
Methyl parathion - RA	17	U	20	17	6.4	ug/Kg		11/05/15 16:03	1
Mevinphos - RA	17	U	15	17	4.6	ug/Kg		11/05/15 16:03	1
Naled - RA	67	U	70	67	23	ug/Kg		11/05/15 16:03	1
Phorate - RA	17	U	20	17	5.7	ug/Kg		11/05/15 16:03	1
Phosmet - RA	67	U	67	67	19	ug/Kg		11/05/15 16:03	1
Propazine - RA	33	U	67	33	8.6	ug/Kg		11/05/15 16:03	1
Ronnel - RA	33	U	46	33	15	ug/Kg		11/05/15 16:03	1
Simazine - RA	67	U	67	67	22	ug/Kg		11/05/15 16:03	1
Tetrachlorvinphos (Stirophos) - RA	17	U	15	17	4.4	ug/Kg		11/05/15 16:03	1

Method: 8141A - Organophosphorous Pesticides (GC) - RA (Continued)

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfotepp - RA	17	U	20	17	6.3	ug/Kg		11/05/15 16:03	1
Thionazin - RA	17	U	18	17	5.6	ug/Kg		11/05/15 16:03	1
Tokuthion - RA	8.0	U	20	8.0	3.9	ug/Kg		11/05/15 16:03	1
Trichloronate - RA	17	U	20	17	6.3	ug/Kg		11/05/15 16:03	1
o,o',o''-Triethylphosphorothioate - RA	17	U	39	17	7.9	ug/Kg		11/05/15 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate - RA	*109*		*47 - 161*	*10/24/15 11:05*	*11/05/15 16:03*	*1*

Lab Sample ID: LCS 280-300892/2-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine - RA	133	89.0		ug/Kg		67	49 - 115
Azinphos-ethyl - RA	133	116		ug/Kg		87	50 - 150
Azinphos-methyl - RA	133	112		ug/Kg		84	38 - 156
Bolstar - RA	133	103		ug/Kg		77	48 - 139
Chlorpyrifos - RA	133	112		ug/Kg		84	47 - 140
Coumaphos - RA	133	119		ug/Kg		89	37 - 160
Demeton, Total - RA	133	102		ug/Kg		76	43 - 117
Diazinon - RA	133	90.5		ug/Kg		68	42 - 134
Dichlorvos - RA	133	130		ug/Kg		98	39 - 142
Dimethoate - RA	133	106		ug/Kg		80	16 - 139
Disulfoton - RA	133	84.8		ug/Kg		64	28 - 145
EPN - RA	133	111		ug/Kg		84	44 - 137
Mocap - RA	133	91.1		ug/Kg		68	47 - 128
Ethyl Parathion - RA	133	108		ug/Kg		81	50 - 139
Famphur - RA	133	117		ug/Kg		88	47 - 134
Fensulfothion - RA	133	125		ug/Kg		94	27 - 147
Fenthion - RA	133	107		ug/Kg		80	44 - 134
Malathion - RA	133	95.7		ug/Kg		72	46 - 137
Merphos - RA	133	32.6		ug/Kg		24	19 - 115
Methyl parathion - RA	133	115		ug/Kg		86	49 - 138
Mevinphos - RA	133	82.8		ug/Kg		62	10 - 226
Naled - RA	133	38.1	J	ug/Kg		29	10 - 115
Phorate - RA	133	75.4		ug/Kg		57	23 - 142
Phosmet - RA	133	115		ug/Kg		87	59 - 137
Propazine - RA	133	94.9		ug/Kg		71	52 - 115
Ronnel - RA	133	113		ug/Kg		84	45 - 138
Simazine - RA	133	81.3		ug/Kg		61	44 - 142
Tetrachlorvinphos (Stirophos) - RA	133	110		ug/Kg		83	42 - 140
Sulfotepp - RA	133	91.4		ug/Kg		69	52 - 126
Thionazin - RA	133	90.8		ug/Kg		68	44 - 124
Tokuthion - RA	133	110		ug/Kg		83	45 - 136
Trichloronate - RA	133	99.9		ug/Kg		75	37 - 140

Method: 8141A - Organophosphorous Pesticides (GC) - RA (Continued)

Lab Sample ID: LCS 280-300892/2-A
Matrix: Solid
Analysis Batch: 302677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300892

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o,o',o''-Triethylphosphorothioate - RA			133	110		ug/Kg		82	40 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate - RA	*101*		*47 - 161*

Method: 8141A - Organophosphorous Pesticides (GC) - RA2

Lab Sample ID: MB 280-300892/1-A
Matrix: Solid
Analysis Batch: 303332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300892

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine - RA2	33	U	67	33	12	ug/Kg		11/10/15 18:52	1
Azinphos-ethyl - RA2	33	U	33	33	8.7	ug/Kg		11/10/15 18:52	1
Azinphos-methyl - RA2	8.0	U	13	8.0	3.5	ug/Kg		11/10/15 18:52	1
Bolstar - RA2	17	U	13	17	4.2	ug/Kg		11/10/15 18:52	1
Chlorpyrifos - RA2	17	U	20	17	6.5	ug/Kg		11/10/15 18:52	1
Coumaphos - RA2	8.0	U	13	8.0	2.8	ug/Kg		11/10/15 18:52	1
Demeton-O - RA2	23	U	39	23	5.3	ug/Kg		11/10/15 18:52	1
Demeton-S - RA2	10	U	15	10	4.9	ug/Kg		11/10/15 18:52	1
Demeton, Total - RA2	17	U	39	17	7.5	ug/Kg		11/10/15 18:52	1
Diazinon - RA2	17	U	22	17	7.3	ug/Kg		11/10/15 18:52	1
Dichlorvos - RA2	17	U	23	17	7.4	ug/Kg		11/10/15 18:52	1
Dimethoate - RA2	17	U	22	17	7.1	ug/Kg		11/10/15 18:52	1
Disulfoton - RA2	17	U	48	17	7.7	ug/Kg		11/10/15 18:52	1
EPN - RA2	8.0	U	13	8.0	3.7	ug/Kg		11/10/15 18:52	1
Mocap - RA2	17	U	15	17	4.9	ug/Kg		11/10/15 18:52	1
Ethyl Parathion - RA2	17	U	18	17	5.3	ug/Kg		11/10/15 18:52	1
Famphur - RA2	8.0	U	13	8.0	3.2	ug/Kg		11/10/15 18:52	1
Fensulfothion - RA2	17	U	25	17	8.2	ug/Kg		11/10/15 18:52	1
Fenthion - RA2	33	U	33	33	8.7	ug/Kg		11/10/15 18:52	1
Malathion - RA2	17	U	15	17	4.6	ug/Kg		11/10/15 18:52	1
Merphos - RA2	17	U	30	17	5.1	ug/Kg		11/10/15 18:52	1
Methyl parathion - RA2	17	U	20	17	6.4	ug/Kg		11/10/15 18:52	1
Mevinphos - RA2	17	U	15	17	4.6	ug/Kg		11/10/15 18:52	1
Naled - RA2	67	U	70	67	23	ug/Kg		11/10/15 18:52	1
Phorate - RA2	17	U	20	17	5.7	ug/Kg		11/10/15 18:52	1
Phosmet - RA2	67	U	67	67	19	ug/Kg		11/10/15 18:52	1
Propazine - RA2	33	U	67	33	8.6	ug/Kg		11/10/15 18:52	1
Ronnel - RA2	33	U	46	33	15	ug/Kg		11/10/15 18:52	1
Simazine - RA2	67	U	67	67	22	ug/Kg		11/10/15 18:52	1
Tetrachlorvinphos (Stirophos) - RA2	17	U	15	17	4.4	ug/Kg		11/10/15 18:52	1
Sulfotepp - RA2	17	U	20	17	6.3	ug/Kg		11/10/15 18:52	1
Thionazin - RA2	17	U	18	17	5.6	ug/Kg		11/10/15 18:52	1
Tokuthion - RA2	8.0	U	20	8.0	3.9	ug/Kg		11/10/15 18:52	1
Trichloronate - RA2	17	U	20	17	6.3	ug/Kg		11/10/15 18:52	1
o,o',o''-Triethylphosphorothioate - RA2	17	U	39	17	7.9	ug/Kg		11/10/15 18:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate - RA2	96		47 - 161	10/24/15 11:05	11/10/15 18:52	1

Lab Sample ID: LCS 280-300892/2-A
Matrix: Solid
Analysis Batch: 303332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine - RA2	133	94.1		ug/Kg		71	49 - 115
Azinphos-ethyl - RA2	133	128		ug/Kg		96	50 - 150
Azinphos-methyl - RA2	133	117		ug/Kg		88	38 - 156
Bolstar - RA2	133	99.8		ug/Kg		75	48 - 139
Chlorpyrifos - RA2	133	107		ug/Kg		80	47 - 140
Coumaphos - RA2	133	125		ug/Kg		94	37 - 160
Demeton, Total - RA2	133	97.7		ug/Kg		73	43 - 117
Diazinon - RA2	133	106		ug/Kg		80	42 - 134
Dichlorvos - RA2	133	109		ug/Kg		82	39 - 142
Dimethoate - RA2	133	115		ug/Kg		86	16 - 139
Disulfoton - RA2	133	90.4		ug/Kg		68	28 - 145
EPN - RA2	133	104		ug/Kg		78	44 - 137
Mocap - RA2	133	87.4		ug/Kg		66	47 - 128
Ethyl Parathion - RA2	133	104		ug/Kg		78	50 - 139
Famphur - RA2	133	115		ug/Kg		86	47 - 134
Fensulfothion - RA2	133	128		ug/Kg		96	27 - 147
Fenthion - RA2	133	107		ug/Kg		80	44 - 134
Malathion - RA2	133	94.5		ug/Kg		71	46 - 137
Merphos - RA2	133	31.4		ug/Kg		24	19 - 115
Methyl parathion - RA2	133	107		ug/Kg		81	49 - 138
Mevinphos - RA2	133	69.1		ug/Kg		52	10 - 226
Naled - RA2	133	28.8	J	ug/Kg		22	10 - 115
Phorate - RA2	133	82.3		ug/Kg		62	23 - 142
Phosmet - RA2	133	115		ug/Kg		86	59 - 137
Propazine - RA2	133	98.0		ug/Kg		73	52 - 115
Ronnel - RA2	133	103		ug/Kg		78	45 - 138
Simazine - RA2	133	90.5		ug/Kg		68	44 - 142
Tetrachlorvinphos (Stirophos) - RA2	133	103		ug/Kg		77	42 - 140
Sulfotepp - RA2	133	96.9		ug/Kg		73	52 - 126
Thionazin - RA2	133	85.5		ug/Kg		64	44 - 124
Tokuthion - RA2	133	103		ug/Kg		77	45 - 136
Trichloronate - RA2	133	95.7		ug/Kg		72	37 - 140
o,o',o''-Triethylphosphorothioate - RA2	133	145		ug/Kg		109	40 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate - RA2	96		47 - 161

Method: 8151A DOD - Herbicides (GC)

Lab Sample ID: MB 680-406504/21-A
Matrix: Solid
Analysis Batch: 407214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406504

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0050	U	0.0083	0.0050	0.0050	mg/Kg		10/24/15 08:43	1

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: MB 680-406504/21-A
Matrix: Solid
Analysis Batch: 407214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406504

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dalapon	0.0080	U	0.10	0.0080	0.0029	mg/Kg		10/24/15 08:43	1
2,4-DB	0.0050	U	0.0083	0.0050	0.0030	mg/Kg		10/24/15 08:43	1
Dicamba	0.0050	U	0.0083	0.0050	0.0019	mg/Kg		10/24/15 08:43	1
Dichlorprop	0.0020	U	0.0083	0.0020	0.0011	mg/Kg		10/24/15 08:43	1
Dinoseb	0.0050	U	0.050	0.0050	0.0046	mg/Kg		10/24/15 08:43	1
MCPA	0.48	U	2.0	0.48	0.19	mg/Kg		10/24/15 08:43	1
MCPP	0.48	U	2.0	0.48	0.17	mg/Kg		10/24/15 08:43	1
Pentachlorophenol	0.0010	U	0.0083	0.0010	0.00042	mg/Kg		10/24/15 08:43	1
Silvex (2,4,5-TP)	0.0050	U	0.0083	0.0050	0.0016	mg/Kg		10/24/15 08:43	1
2,4,5-T	0.0050	U	0.0083	0.0050	0.0023	mg/Kg		10/24/15 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*65*		*27 - 122*	*10/22/15 08:22*	*10/24/15 08:43*	*1*

Lab Sample ID: LCS 680-406504/22-A
Matrix: Solid
Analysis Batch: 407214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0666	0.0510	M	mg/Kg		77	28 - 144
Dalapon	0.0666	0.0447	J	mg/Kg		67	19 - 130
2,4-DB	0.0666	0.0205	M Q	mg/Kg		31	34 - 142
Dicamba	0.0333	0.0270	M	mg/Kg		81	38 - 132
Dichlorprop	0.0666	0.0467	M	mg/Kg		70	28 - 155
Dinoseb	0.0666	0.0410	J M	mg/Kg		62	20 - 130
MCPA	6.66	4.85	M	mg/Kg		73	28 - 135
MCPP	6.66	4.49	M	mg/Kg		67	35 - 143
Pentachlorophenol	0.0167	0.0129	M	mg/Kg		77	54 - 130
Silvex (2,4,5-TP)	0.0167	0.0114	M	mg/Kg		69	43 - 129
2,4,5-T	0.0167	0.0116	M	mg/Kg		70	31 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*67*	*M*	*27 - 122*

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407214

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.075	U J	0.0776	0.058	U J	mg/Kg	☼	0	28 - 144
Dalapon	0.12	U J	0.0776	0.093	U J	mg/Kg	☼	0	19 - 130
2,4-DB	0.075	U Q J	0.0776	0.058	U J	mg/Kg	☼	0	34 - 142
Dicamba	0.075	U J	0.0388	0.058	U J	mg/Kg	☼	0	38 - 132
Dichlorprop	0.030	U J	0.0776	0.023	U J	mg/Kg	☼	0	28 - 155
Dinoseb	0.075	U J	0.0776	0.058	U J	mg/Kg	☼	0	20 - 130
MCPA	7.2	U J	7.76	5.6	U J	mg/Kg	☼	0	28 - 135
MCPP	7.2	U J	7.76	5.6	U J	mg/Kg	☼	0	35 - 143

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: 680-117942-26 MS
Matrix: Solid
Analysis Batch: 407214

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	0.015	J D J	0.0194	0.0209	D J	mg/Kg	☼	29	54 - 130
Silvex (2,4,5-TP)	0.075	U J	0.0194	0.058	U J	mg/Kg	☼	0	43 - 129
2,4,5-T	0.075	U	0.0194	0.058	U	mg/Kg	☼	NC	31 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*

Lab Sample ID: 680-117942-26 MSD
Matrix: Solid
Analysis Batch: 407214

Client Sample ID: AOPSD901
Prep Type: Total/NA
Prep Batch: 406504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.075	U J	0.0757	0.057	U J	mg/Kg	☼	0	28 - 144	NC	30
Dalapon	0.12	U J	0.0757	0.091	U J	mg/Kg	☼	0	19 - 130	NC	30
2,4-DB	0.075	U Q J	0.0757	0.057	U J	mg/Kg	☼	0	34 - 142	NC	30
Dicamba	0.075	U J	0.0379	0.057	U J	mg/Kg	☼	0	38 - 132	NC	30
Dichlorprop	0.030	U J	0.0757	0.023	U J	mg/Kg	☼	0	28 - 155	NC	30
Dinoseb	0.075	U J	0.0757	0.057	U J	mg/Kg	☼	0	20 - 130	NC	30
MCPA	7.2	U J	7.57	5.5	U J	mg/Kg	☼	0	28 - 135	NC	30
MCPP	7.2	U J	7.57	5.5	U J	mg/Kg	☼	0	35 - 143	NC	30
Pentachlorophenol	0.015	J D J	0.0189	0.0229	D J	mg/Kg	☼	40	54 - 130	9	30
Silvex (2,4,5-TP)	0.075	U J	0.0189	0.057	U J	mg/Kg	☼	0	43 - 129	NC	30
2,4,5-T	0.075	U	0.0189	0.057	U	mg/Kg	☼	NC	31 - 138	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*

Lab Sample ID: MB 680-406950/21-A
Matrix: Solid
Analysis Batch: 407271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406950

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0050	U	0.0083	0.0050	0.0050	mg/Kg		10/24/15 17:14	1
Dalapon	0.0080	U	0.10	0.0080	0.0029	mg/Kg		10/24/15 17:14	1
2,4-DB	0.0050	U	0.0083	0.0050	0.0030	mg/Kg		10/24/15 17:14	1
Dicamba	0.0050	U	0.0083	0.0050	0.0019	mg/Kg		10/24/15 17:14	1
Dichlorprop	0.0020	U	0.0083	0.0020	0.0011	mg/Kg		10/24/15 17:14	1
Dinoseb	0.0050	U	0.050	0.0050	0.0046	mg/Kg		10/24/15 17:14	1
MCPA	0.48	U	2.0	0.48	0.19	mg/Kg		10/24/15 17:14	1
MCPP	0.48	U	2.0	0.48	0.17	mg/Kg		10/24/15 17:14	1
Pentachlorophenol	0.0010	U	0.0083	0.0010	0.00042	mg/Kg		10/24/15 17:14	1
Silvex (2,4,5-TP)	0.0050	U	0.0083	0.0050	0.0016	mg/Kg		10/24/15 17:14	1
2,4,5-T	0.0050	U	0.0083	0.0050	0.0023	mg/Kg		10/24/15 17:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*64*		*27 - 122*	*10/23/15 07:42*	*10/24/15 17:14*	*1*

Lab Sample ID: LCS 680-406950/22-A
Matrix: Solid
Analysis Batch: 407271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406950

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0666	0.0480	M	mg/Kg		72	28 - 144		
Dalapon			0.0666	0.0450	J	mg/Kg		67	19 - 130		
2,4-DB			0.0666	0.0205	M Q	mg/Kg		31	34 - 142		
Dicamba			0.0333	0.0267	M	mg/Kg		80	38 - 132		
Dichlorprop			0.0666	0.0443	M	mg/Kg		67	28 - 155		
Dinoseb			0.0666	0.0378	J M	mg/Kg		57	20 - 130		
MCPA			6.66	4.52	M	mg/Kg		68	28 - 135		
MCPP			6.66	4.43	M	mg/Kg		66	35 - 143		
Pentachlorophenol			0.0167	0.0130	M	mg/Kg		78	54 - 130		
Silvex (2,4,5-TP)			0.0167	0.0111	M	mg/Kg		67	43 - 129		
2,4,5-T			0.0167	0.0108	M	mg/Kg		65	31 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*69*	*M*	*27 - 122*

GC VOA

Analysis Batch: 407239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	8015C GRO	407252
LCS 680-407239/20	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407239/21	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407239/22	Method Blank	Total/NA	Solid	8015C GRO	
MB 680-407239/6	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	5030B	

Analysis Batch: 407291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8015C GRO	407320
680-117942-22	AOPCC901	Total/NA	Solid	8015C GRO	407320
680-117942-23	AOPSC901	Total/NA	Solid	8015C GRO	407320
680-117942-25	AOPSB701	Total/NA	Solid	8015C GRO	407320
680-117942-26	AOPSD901	Total/NA	Solid	8015C GRO	407320
680-117942-26 MS	AOPSD901	Total/NA	Solid	8015C GRO	407320
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8015C GRO	407320
680-117942-27	AOPSA601	Total/NA	Solid	8015C GRO	407320
680-117942-28	AOPSB501	Total/NA	Solid	8015C GRO	407320
680-117942-29	AOPSM601	Total/NA	Solid	8015C GRO	407320
680-117942-30	AOPSM801	Total/NA	Solid	8015C GRO	407320
680-117942-41	AOPSL1001	Total/NA	Solid	8015C GRO	407324
LCS 680-407291/26	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCS 680-407291/6	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407291/27	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
LCSD 680-407291/7	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407291/28	Method Blank	Total/NA	Solid	8015C GRO	
MB 680-407291/8	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	5030B	
680-117942-22	AOPCC901	Total/NA	Solid	5030B	
680-117942-23	AOPSC901	Total/NA	Solid	5030B	
680-117942-25	AOPSB701	Total/NA	Solid	5030B	
680-117942-26	AOPSD901	Total/NA	Solid	5030B	
680-117942-26 MS	AOPSD901	Total/NA	Solid	5030B	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	5030B	
680-117942-27	AOPSA601	Total/NA	Solid	5030B	
680-117942-28	AOPSB501	Total/NA	Solid	5030B	
680-117942-29	AOPSM601	Total/NA	Solid	5030B	
680-117942-30	AOPSM801	Total/NA	Solid	5030B	

Prep Batch: 407324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	5030B	

GC VOA (Continued)

Analysis Batch: 407346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-31	AOPCM801	Total/NA	Solid	8015C GRO	407394
680-117942-32	AOPSM701	Total/NA	Solid	8015C GRO	407394
680-117942-33	AOPSL801	Total/NA	Solid	8015C GRO	407394
680-117942-34	AOPSJ1001	Total/NA	Solid	8015C GRO	407394
680-117942-35	AOPSM1001	Total/NA	Solid	8015C GRO	407394
680-117942-36	AOPSL901	Total/NA	Solid	8015C GRO	407394
680-117942-37	AOPSK1001	Total/NA	Solid	8015C GRO	407394
680-117942-38	AOPCK1001	Total/NA	Solid	8015C GRO	407394
680-117942-39	AOPSK901	Total/NA	Solid	8015C GRO	407394
680-117942-40	AOPSM901	Total/NA	Solid	8015C GRO	407394
LCS 680-407346/22	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCS 680-407346/4	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407346/23	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
LCSD 680-407346/5	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407346/24	Method Blank	Total/NA	Solid	8015C GRO	
MB 680-407346/6	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-31	AOPCM801	Total/NA	Solid	5030B	
680-117942-32	AOPSM701	Total/NA	Solid	5030B	
680-117942-33	AOPSL801	Total/NA	Solid	5030B	
680-117942-34	AOPSJ1001	Total/NA	Solid	5030B	
680-117942-35	AOPSM1001	Total/NA	Solid	5030B	
680-117942-36	AOPSL901	Total/NA	Solid	5030B	
680-117942-37	AOPSK1001	Total/NA	Solid	5030B	
680-117942-38	AOPCK1001	Total/NA	Solid	5030B	
680-117942-39	AOPSK901	Total/NA	Solid	5030B	
680-117942-40	AOPSM901	Total/NA	Solid	5030B	

Analysis Batch: 407888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-28 - RA	AOPSB501	Total/NA	Solid	8015C GRO	407963
LCS 680-407888/4	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407888/5	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407888/6	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-28 - RA	AOPSB501	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 300892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	3540C	
680-117942-21 - DL	AOPSG801	Total/NA	Solid	3540C	
680-117942-22	AOPCC901	Total/NA	Solid	3540C	
680-117942-22 - DL	AOPCC901	Total/NA	Solid	3540C	
680-117942-23	AOPSC901	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 300892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-23 - DL	AOPSC901	Total/NA	Solid	3540C	
680-117942-25	AOPSB701	Total/NA	Solid	3540C	
680-117942-25 - DL	AOPSB701	Total/NA	Solid	3540C	
680-117942-26	AOPSD901	Total/NA	Solid	3540C	
680-117942-26 - DL	AOPSD901	Total/NA	Solid	3540C	
680-117942-26 MS	AOPSD901	Total/NA	Solid	3540C	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	3540C	
680-117942-27	AOPSA601	Total/NA	Solid	3540C	
680-117942-27 - DL	AOPSA601	Total/NA	Solid	3540C	
680-117942-28	AOPSB501	Total/NA	Solid	3540C	
680-117942-28 - RA	AOPSB501	Total/NA	Solid	3540C	
680-117942-28 - DL	AOPSB501	Total/NA	Solid	3540C	
680-117942-29	AOPSM601	Total/NA	Solid	3540C	
680-117942-29 - DL	AOPSM601	Total/NA	Solid	3540C	
680-117942-30	AOPSM801	Total/NA	Solid	3540C	
680-117942-30 - DL	AOPSM801	Total/NA	Solid	3540C	
680-117942-32	AOPSM701	Total/NA	Solid	3540C	
680-117942-32 - RA	AOPSM701	Total/NA	Solid	3540C	
680-117942-32 - DL	AOPSM701	Total/NA	Solid	3540C	
680-117942-33	AOPSL801	Total/NA	Solid	3540C	
680-117942-33 - RA	AOPSL801	Total/NA	Solid	3540C	
680-117942-33 - DL	AOPSL801	Total/NA	Solid	3540C	
680-117942-34	AOPSJ1001	Total/NA	Solid	3540C	
680-117942-34 - RA	AOPSJ1001	Total/NA	Solid	3540C	
680-117942-34 - DL	AOPSJ1001	Total/NA	Solid	3540C	
680-117942-35	AOPSM1001	Total/NA	Solid	3540C	
680-117942-35 - RA	AOPSM1001	Total/NA	Solid	3540C	
680-117942-35 - DL	AOPSM1001	Total/NA	Solid	3540C	
680-117942-36	AOPSL901	Total/NA	Solid	3540C	
680-117942-36 - RA	AOPSL901	Total/NA	Solid	3540C	
680-117942-36 - DL	AOPSL901	Total/NA	Solid	3540C	
680-117942-37	AOPSK1001	Total/NA	Solid	3540C	
680-117942-37 - RA	AOPSK1001	Total/NA	Solid	3540C	
680-117942-37 - DL	AOPSK1001	Total/NA	Solid	3540C	
680-117942-38	AOPCK1001	Total/NA	Solid	3540C	
680-117942-38 - RA	AOPCK1001	Total/NA	Solid	3540C	
680-117942-38 - DL	AOPCK1001	Total/NA	Solid	3540C	
680-117942-39 - RA	AOPSK901	Total/NA	Solid	3540C	
680-117942-39	AOPSK901	Total/NA	Solid	3540C	
680-117942-39 - DL	AOPSK901	Total/NA	Solid	3540C	
680-117942-40	AOPSM901	Total/NA	Solid	3540C	
680-117942-40 - RA	AOPSM901	Total/NA	Solid	3540C	
680-117942-40 - DL	AOPSM901	Total/NA	Solid	3540C	
LCS 280-300892/2-A - RA	Lab Control Sample	Total/NA	Solid	3540C	
LCS 280-300892/2-A - RA2	Lab Control Sample	Total/NA	Solid	3540C	
LCS 280-300892/2-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 280-300892/1-A - RA	Method Blank	Total/NA	Solid	3540C	
MB 280-300892/1-A - RA2	Method Blank	Total/NA	Solid	3540C	
MB 280-300892/1-A	Method Blank	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 300944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24 - DL	AOPSE401	Total/NA	Solid	3540C	
680-117942-24	AOPSE401	Total/NA	Solid	3540C	
LCS 280-300944/2-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 280-300944/1-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 300973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41 - DL	AOPSL1001	Total/NA	Solid	3540C	
680-117942-41	AOPSL1001	Total/NA	Solid	3540C	

Analysis Batch: 301302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24 - DL	AOPSE401	Total/NA	Solid	8141A	300944
LCS 280-300944/2-A	Lab Control Sample	Total/NA	Solid	8141A	300944
MB 280-300944/1-A	Method Blank	Total/NA	Solid	8141A	300944

Prep Batch: 301313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-31	AOPCM801	Total/NA	Solid	3540C	
680-117942-31 - DL	AOPCM801	Total/NA	Solid	3540C	
680-117942-31 - RA	AOPCM801	Total/NA	Solid	3540C	
LCS 280-301313/2-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 280-301313/1-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 301497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	8141A	300944

Analysis Batch: 301748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21 - DL	AOPSG801	Total/NA	Solid	8141A	300892
680-117942-22 - DL	AOPCC901	Total/NA	Solid	8141A	300892
680-117942-23 - DL	AOPSC901	Total/NA	Solid	8141A	300892
680-117942-25 - DL	AOPSB701	Total/NA	Solid	8141A	300892
680-117942-26 - DL	AOPSD901	Total/NA	Solid	8141A	300892
680-117942-27 - DL	AOPSA601	Total/NA	Solid	8141A	300892
680-117942-28 - DL	AOPSB501	Total/NA	Solid	8141A	300892
680-117942-29 - DL	AOPSM601	Total/NA	Solid	8141A	300892
680-117942-30 - DL	AOPSM801	Total/NA	Solid	8141A	300892
680-117942-32 - DL	AOPSM701	Total/NA	Solid	8141A	300892
680-117942-33 - DL	AOPSL801	Total/NA	Solid	8141A	300892
680-117942-34 - DL	AOPSJ1001	Total/NA	Solid	8141A	300892
680-117942-35 - DL	AOPSM1001	Total/NA	Solid	8141A	300892
680-117942-36 - DL	AOPSL901	Total/NA	Solid	8141A	300892
680-117942-37 - DL	AOPSK1001	Total/NA	Solid	8141A	300892
680-117942-38 - DL	AOPCK1001	Total/NA	Solid	8141A	300892
680-117942-39 - DL	AOPSK901	Total/NA	Solid	8141A	300892
680-117942-40 - DL	AOPSM901	Total/NA	Solid	8141A	300892
LCS 280-300892/2-A	Lab Control Sample	Total/NA	Solid	8141A	300892
MB 280-300892/1-A	Method Blank	Total/NA	Solid	8141A	300892

GC Semi VOA (Continued)

Analysis Batch: 302677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8141A	300892
680-117942-22	AOPCC901	Total/NA	Solid	8141A	300892
680-117942-23	AOPSC901	Total/NA	Solid	8141A	300892
680-117942-25	AOPSB701	Total/NA	Solid	8141A	300892
680-117942-26	AOPSD901	Total/NA	Solid	8141A	300892
680-117942-27	AOPSA601	Total/NA	Solid	8141A	300892
680-117942-28	AOPSB501	Total/NA	Solid	8141A	300892
680-117942-29	AOPSM601	Total/NA	Solid	8141A	300892
680-117942-30	AOPSM801	Total/NA	Solid	8141A	300892
LCS 280-300892/2-A - RA	Lab Control Sample	Total/NA	Solid	8141A	300892
MB 280-300892/1-A - RA	Method Blank	Total/NA	Solid	8141A	300892

Analysis Batch: 302868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-26 MS	AOPSD901	Total/NA	Solid	8141A	300892
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8141A	300892
680-117942-31	AOPCM801	Total/NA	Solid	8141A	301313
680-117942-32	AOPSM701	Total/NA	Solid	8141A	300892
680-117942-33	AOPSL801	Total/NA	Solid	8141A	300892
680-117942-34	AOPSJ1001	Total/NA	Solid	8141A	300892
680-117942-35	AOPSM1001	Total/NA	Solid	8141A	300892
680-117942-36	AOPSL901	Total/NA	Solid	8141A	300892
680-117942-37	AOPSK1001	Total/NA	Solid	8141A	300892
680-117942-38	AOPCK1001	Total/NA	Solid	8141A	300892
680-117942-39	AOPSK901	Total/NA	Solid	8141A	300892
680-117942-40	AOPSM901	Total/NA	Solid	8141A	300892
LCS 280-301313/2-A	Lab Control Sample	Total/NA	Solid	8141A	301313
MB 280-301313/1-A	Method Blank	Total/NA	Solid	8141A	301313

Analysis Batch: 303047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-31 - RA	AOPCM801	Total/NA	Solid	8141A	301313
680-117942-32 - RA	AOPSM701	Total/NA	Solid	8141A	300892
680-117942-33 - RA	AOPSL801	Total/NA	Solid	8141A	300892
680-117942-34 - RA	AOPSJ1001	Total/NA	Solid	8141A	300892
680-117942-35 - RA	AOPSM1001	Total/NA	Solid	8141A	300892
680-117942-36 - RA	AOPSL901	Total/NA	Solid	8141A	300892
680-117942-37 - RA	AOPSK1001	Total/NA	Solid	8141A	300892
680-117942-38 - RA	AOPCK1001	Total/NA	Solid	8141A	300892
680-117942-39 - RA	AOPSK901	Total/NA	Solid	8141A	300892
680-117942-40 - RA	AOPSM901	Total/NA	Solid	8141A	300892

Analysis Batch: 303141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41 - DL	AOPSL1001	Total/NA	Solid	8141A	300973

Analysis Batch: 303191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-31 - DL	AOPCM801	Total/NA	Solid	8141A	301313

GC Semi VOA (Continued)

Analysis Batch: 303332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-28 - RA	AOPSB501	Total/NA	Solid	8141A	300892
680-117942-41	AOPSL1001	Total/NA	Solid	8141A	300973
LCS 280-300892/2-A - RA2	Lab Control Sample	Total/NA	Solid	8141A	300892
MB 280-300892/1-A - RA2	Method Blank	Total/NA	Solid	8141A	300892

Prep Batch: 406497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	3546	
680-117942-22	AOPCC901	Total/NA	Solid	3546	
680-117942-23	AOPSC901	Total/NA	Solid	3546	
680-117942-24	AOPSE401	Total/NA	Solid	3546	
680-117942-25	AOPSB701	Total/NA	Solid	3546	
680-117942-26	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MS	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	3546	
680-117942-27	AOPSA601	Total/NA	Solid	3546	
680-117942-28	AOPSB501	Total/NA	Solid	3546	
680-117942-29	AOPSM601	Total/NA	Solid	3546	
680-117942-30	AOPSM801	Total/NA	Solid	3546	
680-117942-31	AOPCM801	Total/NA	Solid	3546	
680-117942-32	AOPSM701	Total/NA	Solid	3546	
680-117942-33	AOPSL801	Total/NA	Solid	3546	
680-117942-34	AOPSJ1001	Total/NA	Solid	3546	
680-117942-35	AOPSM1001	Total/NA	Solid	3546	
680-117942-36	AOPSL901	Total/NA	Solid	3546	
680-117942-37	AOPSK1001	Total/NA	Solid	3546	
680-117942-37 - DL	AOPSK1001	Total/NA	Solid	3546	
680-117942-38 - DL	AOPCK1001	Total/NA	Solid	3546	
680-117942-38	AOPCK1001	Total/NA	Solid	3546	
680-117942-39	AOPSK901	Total/NA	Solid	3546	
680-117942-40	AOPSM901	Total/NA	Solid	3546	
LCS 680-406497/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406497/25-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406497/28-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406497/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 406504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8151A	
680-117942-22	AOPCC901	Total/NA	Solid	8151A	
680-117942-23	AOPSC901	Total/NA	Solid	8151A	
680-117942-24	AOPSE401	Total/NA	Solid	8151A	
680-117942-25	AOPSB701	Total/NA	Solid	8151A	
680-117942-26	AOPSD901	Total/NA	Solid	8151A	
680-117942-26 MS	AOPSD901	Total/NA	Solid	8151A	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8151A	
680-117942-27	AOPSA601	Total/NA	Solid	8151A	
680-117942-28	AOPSB501	Total/NA	Solid	8151A	
680-117942-29	AOPSM601	Total/NA	Solid	8151A	
680-117942-30	AOPSM801	Total/NA	Solid	8151A	
680-117942-31	AOPCM801	Total/NA	Solid	8151A	

GC Semi VOA (Continued)

Prep Batch: 406504 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-32	AOPSM701	Total/NA	Solid	8151A	
680-117942-33	AOPSL801	Total/NA	Solid	8151A	
680-117942-34	AOPSJ1001	Total/NA	Solid	8151A	
680-117942-35	AOPSM1001	Total/NA	Solid	8151A	
680-117942-36	AOPSL901	Total/NA	Solid	8151A	
680-117942-37	AOPSK1001	Total/NA	Solid	8151A	
680-117942-38	AOPCK1001	Total/NA	Solid	8151A	
680-117942-39	AOPSK901	Total/NA	Solid	8151A	
680-117942-40	AOPSM901	Total/NA	Solid	8151A	
LCS 680-406504/22-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 680-406504/21-A	Method Blank	Total/NA	Solid	8151A	

Prep Batch: 406646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	3546	
680-117942-22	AOPCC901	Total/NA	Solid	3546	
680-117942-23	AOPSC901	Total/NA	Solid	3546	
680-117942-24	AOPSE401	Total/NA	Solid	3546	
680-117942-25	AOPSB701	Total/NA	Solid	3546	
680-117942-26	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MS	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MS	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	3546	
680-117942-26 MSD	AOPSD901	Total/NA	Solid	3546	
680-117942-27	AOPSA601	Total/NA	Solid	3546	
680-117942-28	AOPSB501	Total/NA	Solid	3546	
680-117942-29	AOPSM601	Total/NA	Solid	3546	
680-117942-30	AOPSM801	Total/NA	Solid	3546	
680-117942-31	AOPCM801	Total/NA	Solid	3546	
680-117942-32	AOPSM701	Total/NA	Solid	3546	
680-117942-33	AOPSL801	Total/NA	Solid	3546	
680-117942-34	AOPSJ1001	Total/NA	Solid	3546	
680-117942-35	AOPSM1001	Total/NA	Solid	3546	
680-117942-36	AOPSL901	Total/NA	Solid	3546	
680-117942-37	AOPSK1001	Total/NA	Solid	3546	
680-117942-38	AOPCK1001	Total/NA	Solid	3546	
680-117942-39	AOPSK901	Total/NA	Solid	3546	
680-117942-40	AOPSM901	Total/NA	Solid	3546	
LCS 680-406646/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406646/25-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406646/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 406950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	8151A	
LCS 680-406950/22-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 680-406950/21-A	Method Blank	Total/NA	Solid	8151A	

Prep Batch: 406985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 406985 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-406985/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406985/25-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406985/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 406986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	3546	
LCS 680-406986/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406986/25-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406986/28-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406986/21-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 407214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8151A DOD	406504
680-117942-22	AOPCC901	Total/NA	Solid	8151A DOD	406504
680-117942-23	AOPSC901	Total/NA	Solid	8151A DOD	406504
680-117942-24	AOPSE401	Total/NA	Solid	8151A DOD	406504
680-117942-25	AOPSB701	Total/NA	Solid	8151A DOD	406504
680-117942-26	AOPSD901	Total/NA	Solid	8151A DOD	406504
680-117942-26 MS	AOPSD901	Total/NA	Solid	8151A DOD	406504
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8151A DOD	406504
680-117942-27	AOPSA601	Total/NA	Solid	8151A DOD	406504
680-117942-28	AOPSB501	Total/NA	Solid	8151A DOD	406504
680-117942-29	AOPSM601	Total/NA	Solid	8151A DOD	406504
680-117942-30	AOPSM801	Total/NA	Solid	8151A DOD	406504
680-117942-31	AOPCM801	Total/NA	Solid	8151A DOD	406504
680-117942-32	AOPSM701	Total/NA	Solid	8151A DOD	406504
680-117942-33	AOPSL801	Total/NA	Solid	8151A DOD	406504
680-117942-34	AOPSJ1001	Total/NA	Solid	8151A DOD	406504
680-117942-35	AOPSM1001	Total/NA	Solid	8151A DOD	406504
680-117942-36	AOPSL901	Total/NA	Solid	8151A DOD	406504
680-117942-37	AOPSK1001	Total/NA	Solid	8151A DOD	406504
680-117942-38	AOPCK1001	Total/NA	Solid	8151A DOD	406504
680-117942-39	AOPSK901	Total/NA	Solid	8151A DOD	406504
680-117942-40	AOPSM901	Total/NA	Solid	8151A DOD	406504
LCS 680-406504/22-A	Lab Control Sample	Total/NA	Solid	8151A DOD	406504
MB 680-406504/21-A	Method Blank	Total/NA	Solid	8151A DOD	406504

Analysis Batch: 407271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	8151A DOD	406950
LCS 680-406950/22-A	Lab Control Sample	Total/NA	Solid	8151A DOD	406950
MB 680-406950/21-A	Method Blank	Total/NA	Solid	8151A DOD	406950

Analysis Batch: 407604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8015C DRO	406646
680-117942-22	AOPCC901	Total/NA	Solid	8015C DRO	406646
680-117942-23	AOPSC901	Total/NA	Solid	8015C DRO	406646
680-117942-24	AOPSE401	Total/NA	Solid	8015C DRO	406646

GC Semi VOA (Continued)

Analysis Batch: 407604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-25	AOPSB701	Total/NA	Solid	8015C DRO	406646
680-117942-26	AOPSD901	Total/NA	Solid	8015C DRO	406646
680-117942-26 MS	AOPSD901	Total/NA	Solid	8015C DRO	406646
680-117942-26 MS	AOPSD901	Total/NA	Solid	8015C DRO	406646
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8015C DRO	406646
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8015C DRO	406646
680-117942-27	AOPSA601	Total/NA	Solid	8015C DRO	406646
680-117942-28	AOPSB501	Total/NA	Solid	8015C DRO	406646

Analysis Batch: 407605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	8015C DRO	406985
LCS 680-406985/22-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406985
LCS 680-406985/25-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406985
MB 680-406985/21-A	Method Blank	Total/NA	Solid	8015C DRO	406985

Analysis Batch: 407913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-21	AOPSG801	Total/NA	Solid	8081B 8082A	406497
680-117942-22	AOPCC901	Total/NA	Solid	8081B 8082A	406497
680-117942-23	AOPSC901	Total/NA	Solid	8081B 8082A	406497
680-117942-25	AOPSB701	Total/NA	Solid	8081B 8082A	406497
680-117942-26	AOPSD901	Total/NA	Solid	8081B 8082A	406497
680-117942-26 MS	AOPSD901	Total/NA	Solid	8081B 8082A	406497
680-117942-26 MSD	AOPSD901	Total/NA	Solid	8081B 8082A	406497
680-117942-27	AOPSA601	Total/NA	Solid	8081B 8082A	406497
680-117942-28	AOPSB501	Total/NA	Solid	8081B 8082A	406497
680-117942-29	AOPSM601	Total/NA	Solid	8081B 8082A	406497
680-117942-30	AOPSM801	Total/NA	Solid	8081B 8082A	406497
680-117942-31	AOPCM801	Total/NA	Solid	8081B 8082A	406497
LCS 680-406497/22-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406497
LCS 680-406497/25-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406497
LCS 680-406497/28-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406497
MB 680-406497/21-A	Method Blank	Total/NA	Solid	8081B 8082A	406497

Analysis Batch: 407947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-32	AOPSM701	Total/NA	Solid	8081B 8082A	406497
680-117942-33	AOPSL801	Total/NA	Solid	8081B 8082A	406497
680-117942-34	AOPSJ1001	Total/NA	Solid	8081B 8082A	406497
680-117942-35	AOPSM1001	Total/NA	Solid	8081B 8082A	406497
680-117942-36	AOPSL901	Total/NA	Solid	8081B 8082A	406497
680-117942-37	AOPSK1001	Total/NA	Solid	8081B 8082A	406497
680-117942-37 - DL	AOPSK1001	Total/NA	Solid	8081B 8082A	406497
680-117942-38	AOPCK1001	Total/NA	Solid	8081B 8082A	406497
680-117942-38 - DL	AOPCK1001	Total/NA	Solid	8081B 8082A	406497
680-117942-39	AOPSK901	Total/NA	Solid	8081B 8082A	406497

Analysis Batch: 408225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-39	AOPSK901	Total/NA	Solid	8015C DRO	406646

GC Semi VOA (Continued)

Analysis Batch: 408225 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-40	AOPSM901	Total/NA	Solid	8015C DRO	406646

Analysis Batch: 408327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-41	AOPSL1001	Total/NA	Solid	8081B 8082A	406986
LCS 680-406986/22-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406986
LCS 680-406986/25-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406986
LCS 680-406986/28-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406986
MB 680-406986/21-A	Method Blank	Total/NA	Solid	8081B 8082A	406986

Analysis Batch: 408392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-406646/22-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406646
LCS 680-406646/25-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406646
MB 680-406646/21-A	Method Blank	Total/NA	Solid	8015C DRO	406646

Analysis Batch: 408393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-29	AOPSM601	Total/NA	Solid	8015C DRO	406646
680-117942-30	AOPSM801	Total/NA	Solid	8015C DRO	406646
680-117942-31	AOPCM801	Total/NA	Solid	8015C DRO	406646
680-117942-32	AOPSM701	Total/NA	Solid	8015C DRO	406646
680-117942-33	AOPSL801	Total/NA	Solid	8015C DRO	406646
680-117942-34	AOPSJ1001	Total/NA	Solid	8015C DRO	406646
680-117942-35	AOPSM1001	Total/NA	Solid	8015C DRO	406646
680-117942-36	AOPSL901	Total/NA	Solid	8015C DRO	406646
680-117942-37	AOPSK1001	Total/NA	Solid	8015C DRO	406646
680-117942-38	AOPCK1001	Total/NA	Solid	8015C DRO	406646

Analysis Batch: 408444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-24	AOPSE401	Total/NA	Solid	8081B 8082A	406497
680-117942-40	AOPSM901	Total/NA	Solid	8081B 8082A	406497

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSG801

Lab Sample ID: 680-117942-21

Date Collected: 10/11/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.03 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.03 g	5 mL	407291	10/25/15 17:04	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.02 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.02 g	1 mL	407604	10/27/15 22:34	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.92 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	4.92 g	10 mL	407913	10/28/15 20:10	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			32.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	32.5 g	2 mL	302677	11/05/15 18:35	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		32.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.5 g	2 mL	301748	10/29/15 19:34	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.12 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.12 g	10 mL	407214	10/24/15 12:59	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPCC901

Lab Sample ID: 680-117942-22

Date Collected: 10/11/15 14:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.07 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.07 g	5 mL	407291	10/25/15 17:27	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.22 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.22 g	1 mL	407604	10/27/15 22:48	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.03 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	5.03 g	10 mL	407913	10/28/15 20:26	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			30.3 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	30.3 g	2 mL	302677	11/05/15 19:06	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.3 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.3 g	2 mL	301748	10/29/15 19:59	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.07 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.07 g	10 mL	407214	10/24/15 13:17	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSC901

Date Collected: 10/11/15 14:45
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-23

Matrix: Solid
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.03 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.03 g	5 mL	407291	10/25/15 17:51	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.97 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.97 g	1 mL	407604	10/27/15 23:03	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.89 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	4.89 g	10 mL	407913	10/28/15 20:41	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			30.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	30.7 g	2 mL	302677	11/05/15 19:36	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.7 g	2 mL	301748	10/29/15 20:24	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.05 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.05 g	10 mL	407214	10/24/15 13:35	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSE401

Date Collected: 10/10/15 17:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-24

Matrix: Solid
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.22 g	5 mL	407252	10/24/15 10:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.22 g	5 mL	407239	10/24/15 13:05	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.18 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.18 g	1 mL	407604	10/27/15 23:18	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.92 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	4.92 g	10 mL	408444	10/31/15 19:48	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.0 g	2 mL	301302	10/28/15 02:52	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.0 g	2 mL	300944	10/24/15 12:30	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.0 g	2 mL	301497	10/28/15 20:30	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.16 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.16 g	10 mL	407214	10/24/15 09:20	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSB701

Date Collected: 10/11/15 11:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-25

Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.06 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.06 g	5 mL	407291	10/25/15 18:14	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.06 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.06 g	1 mL	407604	10/27/15 23:33	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.99 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.99 g	10 mL	407913	10/28/15 20:57	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			32.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	32.5 g	2 mL	302677	11/05/15 20:07	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		32.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.5 g	2 mL	301748	10/29/15 20:49	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.18 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.18 g	10 mL	407214	10/24/15 09:38	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSD901

Date Collected: 10/11/15 12:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-26

Matrix: Solid
Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.12 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.12 g	5 mL	407291	10/25/15 20:11	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.86 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.86 g	1 mL	407604	10/27/15 23:47	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.03 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	5.03 g	10 mL	407913	10/28/15 21:12	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			31.2 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	31.2 g	2 mL	302677	11/05/15 20:37	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		31.2 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.2 g	2 mL	301748	10/29/15 21:14	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.13 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.13 g	10 mL	407214	10/24/15 13:54	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSA601

Date Collected: 10/11/15 10:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-27

Matrix: Solid
Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.03 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.03 g	5 mL	407291	10/25/15 18:37	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.16 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.16 g	1 mL	407604	10/28/15 01:01	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.08 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	5.08 g	10 mL	407913	10/28/15 21:28	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			31.9 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	31.9 g	2 mL	302677	11/05/15 21:08	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		31.9 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.9 g	2 mL	301748	10/29/15 21:39	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.14 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.14 g	10 mL	407214	10/24/15 09:57	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSB501

Date Collected: 10/11/15 10:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-28

Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.11 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.11 g	5 mL	407291	10/25/15 19:01	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	5030B	RA		1.03 g	5 mL	407963	10/29/15 00:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO	RA	1	1.03 g	5 mL	407888	10/29/15 03:37	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.07 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.07 g	1 mL	407604	10/28/15 01:16	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.03 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	5.03 g	10 mL	407913	10/28/15 21:43	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			30.6 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	30.6 g	2 mL	302677	11/05/15 21:38	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.6 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.6 g	2 mL	301748	10/29/15 22:04	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C	RA		30.6 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	30.6 g	2 mL	303332	11/10/15 19:50	AMP	TAL DEN
	Instrument ID: SGC_D2									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			30.01 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.01 g	10 mL	407214	10/24/15 14:12	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM601

Date Collected: 10/12/15 11:45
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-29

Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.14 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.14 g	5 mL	407291	10/25/15 19:24	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.98 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.98 g	1 mL	408393	10/31/15 22:21	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.99 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	4.99 g	10 mL	407913	10/28/15 21:58	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			32.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	32.5 g	2 mL	302677	11/05/15 22:08	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		32.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.5 g	2 mL	301748	10/29/15 22:29	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.04 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.04 g	10 mL	407214	10/24/15 10:15	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30

Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.09 g	5 mL	407320	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.09 g	5 mL	407291	10/25/15 19:47	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.04 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.04 g	1 mL	408393	10/31/15 22:36	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.97 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	4.97 g	10 mL	407913	10/28/15 22:14	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			30.9 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	30.9 g	2 mL	302677	11/05/15 22:39	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.9 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.9 g	2 mL	301748	10/29/15 22:54	AMP	TAL DEN
	Instrument ID: SGC_D2									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-30

Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			30.12 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.12 g	10 mL	407214	10/24/15 14:30	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPCM801

Date Collected: 10/12/15 11:25
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-31

Matrix: Solid
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.10 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.10 g	5 mL	407346	10/26/15 18:49	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.05 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.05 g	1 mL	408393	10/31/15 22:51	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.92 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	4.92 g	10 mL	407913	10/28/15 22:29	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			30.2 g	2 mL	301313	10/27/15 16:55	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.2 g	2 mL	302868	11/06/15 18:15	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		30.2 g	2 mL	301313	10/27/15 16:55	JRK	TAL DEN
Total/NA	Analysis	8141A	RA	10	30.2 g	2 mL	303047	11/07/15 15:31	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.2 g	2 mL	301313	10/27/15 16:55	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.2 g	2 mL	303191	11/09/15 17:20	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.05 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.05 g	10 mL	407214	10/24/15 14:49	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM701

Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32

Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.01 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.01 g	5 mL	407346	10/26/15 19:12	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.06 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.06 g	1 mL	408393	10/31/15 23:05	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.88 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSM701

Date Collected: 10/12/15 11:50
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-32

Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B 8082A		25	4.88 g	10 mL	407947	10/29/15 00:48	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			32.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	32.1 g	2 mL	302868	11/06/15 18:45	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		32.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	32.1 g	2 mL	303047	11/07/15 16:01	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		32.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.1 g	2 mL	301748	10/29/15 23:43	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.08 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.08 g	10 mL	407214	10/24/15 15:07	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL801

Date Collected: 10/12/15 11:20
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-33

Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.05 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.05 g	5 mL	407346	10/26/15 19:36	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.78 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		5	5.78 g	1 mL	408393	10/31/15 23:20	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.13 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	5.13 g	10 mL	407947	10/29/15 01:04	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			32.4 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	32.4 g	2 mL	302868	11/06/15 19:15	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		32.4 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	32.4 g	2 mL	303047	11/07/15 16:32	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		32.4 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.4 g	2 mL	301748	10/30/15 00:08	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.14 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.14 g	10 mL	407214	10/24/15 10:33	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSJ1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-34

Matrix: Solid
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.24 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.24 g	5 mL	407346	10/26/15 20:00	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.16 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.16 g	1 mL	408393	10/31/15 23:35	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.93 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		50	4.93 g	10 mL	407947	10/29/15 01:19	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			32.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	32.7 g	2 mL	302868	11/06/15 19:46	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		32.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	32.7 g	2 mL	303047	11/07/15 17:02	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		32.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.7 g	2 mL	301748	10/30/15 00:33	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.10 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.10 g	10 mL	407214	10/24/15 15:25	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM1001

Date Collected: 10/12/15 10:40
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-35

Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.14 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.14 g	5 mL	407346	10/26/15 20:24	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.85 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		5	5.85 g	1 mL	408393	10/31/15 23:50	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.79 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	4.79 g	10 mL	407947	10/29/15 01:35	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			31.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	31.1 g	2 mL	302868	11/06/15 20:16	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		31.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	31.1 g	2 mL	303047	11/07/15 17:33	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		31.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.1 g	2 mL	301748	10/30/15 00:58	AMP	TAL DEN
	Instrument ID: SGC_D2									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			30.09 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.09 g	10 mL	407214	10/24/15 10:51	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL901

Date Collected: 10/12/15 11:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-36

Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.14 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.14 g	5 mL	407346	10/26/15 20:47	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.20 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.20 g	1 mL	408393	11/01/15 00:04	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.94 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	4.94 g	10 mL	407947	10/29/15 01:50	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			30.3 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	30.3 g	2 mL	302868	11/06/15 20:46	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		30.3 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	30.3 g	2 mL	303047	11/07/15 18:03	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.3 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.3 g	2 mL	301748	10/30/15 01:23	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.15 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.15 g	10 mL	407214	10/24/15 11:10	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37

Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.17 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.17 g	5 mL	407346	10/26/15 21:11	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.33 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.33 g	1 mL	408393	11/01/15 00:19	JCK	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.14 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	5.14 g	10 mL	407947	10/29/15 02:05	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3546	DL		5.14 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	250	5.14 g	10 mL	407947	10/29/15 02:21	JCK	TAL SAV
	Instrument ID: CSGK									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-37

Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			30.9 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	30.9 g	2 mL	302868	11/06/15 21:16	AMP	TAL DEN
		Instrument ID: SGC_D								
Total/NA	Prep	3540C	RA		30.9 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	30.9 g	2 mL	303047	11/07/15 18:34	AMP	TAL DEN
		Instrument ID: SGC_D								
Total/NA	Prep	3540C	DL		30.9 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.9 g	2 mL	301748	10/30/15 01:48	AMP	TAL DEN
		Instrument ID: SGC_D2								
Total/NA	Prep	8151A			30.10 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.10 g	10 mL	407214	10/24/15 11:28	JCK	TAL SAV
		Instrument ID: CSGS								

Client Sample ID: AOPCK1001

Date Collected: 10/12/15 10:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-38

Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.12 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.12 g	5 mL	407346	10/26/15 21:34	AAH	TAL SAV
		Instrument ID: CVGWFID1								
Total/NA	Prep	3546			6.19 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.19 g	1 mL	408393	11/01/15 00:34	JCK	TAL SAV
		Instrument ID: CSGAB1								
Total/NA	Prep	3546			5.15 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		25	5.15 g	10 mL	407947	10/29/15 02:36	JCK	TAL SAV
		Instrument ID: CSGK								
Total/NA	Prep	3546	DL		5.15 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	250	5.15 g	10 mL	407947	10/29/15 02:52	JCK	TAL SAV
		Instrument ID: CSGK								
Total/NA	Prep	3540C			30.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	30.7 g	2 mL	302868	11/06/15 21:46	AMP	TAL DEN
		Instrument ID: SGC_D								
Total/NA	Prep	3540C	RA		30.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	30.7 g	2 mL	303047	11/07/15 19:04	AMP	TAL DEN
		Instrument ID: SGC_D								
Total/NA	Prep	3540C	DL		30.7 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.7 g	2 mL	301748	10/30/15 02:13	AMP	TAL DEN
		Instrument ID: SGC_D2								
Total/NA	Prep	8151A			30.09 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.09 g	10 mL	407214	10/24/15 11:46	JCK	TAL SAV
		Instrument ID: CSGS								

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Client Sample ID: AOPSK901

Date Collected: 10/12/15 10:05
Date Received: 10/17/15 09:45

Lab Sample ID: 680-117942-39

Matrix: Solid
Percent Solids: 66.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.07 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.07 g	5 mL	407346	10/26/15 21:58	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.20 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.20 g	1 mL	408225	10/31/15 01:11	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.89 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.89 g	10 mL	407947	10/29/15 03:07	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			31.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	31.5 g	2 mL	302868	11/06/15 22:16	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		31.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	31.5 g	2 mL	303047	11/07/15 19:35	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		31.5 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.5 g	2 mL	301748	10/30/15 02:37	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.12 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.12 g	10 mL	407214	10/24/15 12:04	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM901

Date Collected: 10/12/15 11:05
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-40

Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.07 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.07 g	5 mL	407346	10/26/15 22:21	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.78 g	1 mL	406646	10/22/15 10:48	KAC	TAL SAV
Total/NA	Analysis	8015C DRO		5	5.78 g	1 mL	408225	10/31/15 01:26	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.92 g	10 mL	406497	10/22/15 09:33	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.92 g	10 mL	408444	10/31/15 20:04	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			31.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A		10	31.1 g	2 mL	302868	11/06/15 22:47	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	RA		31.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	RA	10	31.1 g	2 mL	303047	11/07/15 20:05	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		31.1 g	2 mL	300892	10/24/15 11:05	SHO	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.1 g	2 mL	301748	10/30/15 03:02	AMP	TAL DEN
	Instrument ID: SGC_D2									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			30.09 g	10 mL	406504	10/22/15 08:22	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.09 g	10 mL	407214	10/24/15 15:43	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL1001

Date Collected: 10/12/15 10:20
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-41

Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.12 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.12 g	5 mL	407291	10/26/15 01:29	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.88 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	5.88 g	1 mL	407605	10/28/15 05:12	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.30 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	5.30 g	10 mL	408327	10/30/15 16:47	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.7 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.7 g	2 mL	303141	11/09/15 20:28	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.7 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.7 g	2 mL	303332	11/10/15 15:27	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.01 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.01 g	10 mL	407271	10/24/15 17:51	JCK	TAL SAV
	Instrument ID: CSGS									

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 1 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase SI

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST 8141	METALS, TCL	GRO	PESTS/PCBS	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSE201	E2	10-10-15	1800	SO	N	N	4	1	1	1			1						
	AOPSF201	F2	10-10-15	1730	SO	N	N	4	1	1	1			1						
	AOPSD301	D3	10-10-15	1815	SO	N	N	4	1	1	1			1						
	AOPSE301	E3	10-10-15	1715	SO	N	N	4	1	1	1			1						
	AOPSE501	E5	10-10-15	1630	SO	N	N	4	1	1	1			1						
	AOPCF101	F1	10-10-15	1745	SO	FD	N	4	1	1	1			1						
	AOPSC401	C4	10-10-15	1530	SO	N	N	4	1	1	1			1						
	AOPSF101	F1	10-10-15	1745	SO	N	N	4	1	1	1			1						
	AOPSD501	D5	10-10-15	1600	SO	N	N	4	1	1	1			1						
	AOPSD401	D4	10-10-15	1500	SO	N	N	4	1	1	1			1						
	AOPSC701	C7	10-11-15	1120	SO	~~FD~~ N	N	4	1	1	1			1						
	AOPSC801	C8	10-11-15	1140	SO	N	N	4	1	1	1			1						

680-117942 Chain of Custody

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Brantley	10/14/15	21:00	1 M. Valdez Ito	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 2 of 6

Project Name: Site Investigation | PO No. | Project No. 085881781G Phase S1

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

(3)→

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	OPPEST 8141	TAL METALS	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSG701	G7	10-11-15	1740	SO	N	N	4	1	1	1	~	~	~	~	~				
	AOPSG1001	G1	10-11-15	1700	SO	N	N	4	1	1	1	~	~	~	~	~				
	AOPSG901	G9	10-11-15	1710	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSD801	D8	10-11-15	1540	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSD701	D7	10-11-15	1600	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSD1001	D10	10-11-15	1520	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSG601	G6	10-11-15	1750	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSF1001	F10	10-11-15	1630	SO	N	N	4	1	1	1	~	~	~	~					
	AOPSG801	G8	10-11-15	1720	SO	N	N	4	1	1	1	~	~	~	~					
	AOPCC901	C9	10-11-15	1445	SO	FD	N	4	1	1	1	~	~	~						
	AOPSC901	C9	10-11-15	1445	SO	N	N	4	1	1	1	~	~	~						
	AOPSE401	E4	10-10-15	1700	SO	N	N	4	1	1	1	~	~	~	~					

***Field* Comments:** 2.6/3.0 3.0/3.4

***Lab* Comments:** 3.6/4.0 3.0/4.4 3.0/2.4 2.8/3.2

Relinquished by (signature)	Date	Time
1 Ben Bradley	10/14/15	
2		
3		

Received by (signature)	Date	Time
1 [illegible]	10/16/15	09:45
2 680-117942		
3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No ~~✓~~ 4°C ID 10/16/15

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 3 of 6

Project Name: Site Investigation | PO No. | Project No. 08883.7816 Phase S1

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 | RC Project Manager: Paul Stoddard | (3)→

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7 day Prel; 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	OPPEST8141	METALS, TAL	GRO	PESTICIDES	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSB701	B7	10-11-15	1100	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSD901	D9	10-11-15	1200	SO	N	N	12	3	3	3	~	~	3	~	~			X	
	AOPSA601	A6	10-11-15	1045	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSB501	B5	10-11-15	1015	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSM601	M6	10/12/15	1145	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM801	M8	10/12/15	1125	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPCM801	M8	10/12/15	1125	SO	FD	N	4	1	1	1	←	←	1	→	→				
	AOPSM701	M7	10/12/15	1150	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL801	L8	10/12/15	1120	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSJ1001	J10	10/12/15	1020	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM1001	M10	10/12/15	1040	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL901	L9	10/12/15	1100	SO	N	N	4	1	1	1	←	←	1	→	→				

***Field* Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

***Lab* Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No

Method of Shipment:

Airbill No: 680-117942

Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ken Brantley	10/14/15	2100	m. Wheelette	10/16/15	09:45
2						
3						

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 4 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPest-8141 10/16/15	Metals, TAL	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	Herbicides			Extra Volume for MS/MSD	HOLD
	AOP SK1001	K10	10/12/15	1000	SO	N	N	4	1	1	1	←		1		→				
	AOP CK1001	K10	10/12/15	1000	SO	FD	N	4	1	1	1	←		1		→				
	AOP SK901	K9	10/12/15	1005	SO	N	N	4	1	1	1	←		1		→				
	AOP SM901	M9	10/12/15	1105	SO	N	N	4	1	1	1	←		1		→				
	AOP SL1001	L10	10/12/15	1020	SO	N	N	4	1	1	1	←		1		→				
	AOP SK101	K1	10/12/15	1428	SO	N	N	4	1	1	1	←		1		→				
	AOP SM301	M3	10/12/15	1400	SO	N	N	12	3	3	3	←		3		→			X	
	AOP SM201	M2	10/12/15	1358	SO	N	N	4	1	1	1	←		1		→				
	AOP SL201	L2	10/12/15	1425	SO	N	N	4	1	1	1	←		1		→				
	AOP SN301	N3	10/12/15	1355	SO	N	N	4	1	1	1	←		1		→				
	AOP SM401	M4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				
	AOP SN401	N4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	10/14/15	2100	1 [signature]	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes____ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 5 of 6

Project Name: SITE Investigation | PO No. | Project No: 68888176 Phase SI

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 1DAY PRELIM 14DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OP PEST	METALS, TAL	GRO	PEST/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSM501	M5	10.12.15	1335	SO	N	N	4	1	1	1	←		1	→					
	AOPSE601	E6	10.12.15	1707	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF501	F5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF701	F7	10.12.15	1646	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSH301	H3	10.12.15	1700	SO	N	N	12	3	3	3	←		3	→				X	
	AOPSH401	H4	10.12.5	1715	SO	N	N	4	1	1	1	←		1	→					
	AOPSH501	H5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→					
	AOPCH501	H5	10.12.15	1720	SO	FD	N	4	1	1	1	←		1	→					
	AOPSJ201	J2	10.12.15	1520	SO	N	N	4	1	1	1	←		1	→					
	AOPSK201	K2	10.12.15	1457	SO	N	N	4	1	1	1	←		1	→					
	AOPSK301	K3	10.12.15	1505	SO	N	N	4	1	1	1	←		1	→					

Field **Comments:**
*Sample contains asphalt 2.6/3.0

Lab **Comments:**
3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Sample Shipment and Delivery Details
Number of coolers in shipment:
Samples Iced?(check) Yes____ No____
Method of Shipment:
Airbill No: 680-117942
Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ben Brantley	10/14/15	2100	michelle hatto	10/16/15	0945
2						
3						

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water
(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk
(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 6 of 6

Project Name: SITE Investigation | PO No. | Project No. 080881781.16 Phase SI

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. | RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7-DAY PRELIM 14-DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	(3)→	OP PEST	METALS, TAL	GRO	PESTS/PCBs	SVOC, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSK501	K5	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL301	L3	10-12-15	1500	SO	N	N	4		1	1	1	←		1	→					
	AOPCL301	L3	10-12-15	1500	SO	FD	N	4		1	1	1	←		1	→					
	AOPSL401	L4	10-12-15	1520	SO	N	N	4		1	1	1	←		1	→					
	AOPSL501	L5	10-12-15	1608	SO	N	N	4		1	1	1	←		1	→					
	AOPSL601	L6	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL701	L7	10-12-15	1615	SO	N	N	4		1	1	1	←		1	→					
	FB 101415	—	10/14/15	1335	SQ	FB	N	9		1	Ø	3	1	1	1	1	1				
	EB101415	—	10/14/15	1345	SQ	EB	N	9		1	Ø	3	1	1	1	1	1				

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 2.0/3.4 2.8/3.2 3.0/3.4

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Bowden	10/14/15	2100	1 m. Mclaughlin	10/16/15	09:45
2			2 680-11794		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-5
SDG Number: GTM05

Login Number: 117942
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-5
SDG Number: GTM05

Login Number: 117942
List Number: 3
Creator: Soto, Mayra A

List Source: TestAmerica Denver
List Creation: 10/19/15 01:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-5
SDG Number: GTM05

Login Number: 117942
List Number: 6
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-5
SDG Number: GTM05

Login Number: 117942
List Number: 7
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	False	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-5
SDG Number: GTM05

Login Number: 117942
List Number: 8
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-5
SDG Number: GTM05

Login Number: 117942
List Number: 9
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:32 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	False	Refer to Job Narrative for details.
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-5
SDG Number: GTM05

Login Number: 117942
List Number: 10
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-5
SDG: GTM05

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Denver

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	11-30-15 *
A2LA	ISO/IEC 17025		2907.01	11-30-15
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-16
Arizona	State Program	9	AZ0713	12-19-16
Arkansas DEQ	State Program	6	88-0687	06-01-16
California	State Program	9	2513	08-31-16
Connecticut	State Program	1	PH-0686	09-30-16
Florida	NELAP	4	E87667	06-30-16
Georgia	State Program	4	N/A	01-09-16
Illinois	NELAP	5	200017	04-30-16
Iowa	State Program	7	370	11-30-16
Kansas	NELAP	7	E-10166	04-30-16
Louisiana	NELAP	6	02096	06-30-16
Maine	State Program	1	CO0002	03-03-17
Minnesota	NELAP	5	8-999-405	12-31-15
Nevada	State Program	9	CO0026	07-31-16
New Hampshire	NELAP	1	205310	04-28-16
New Jersey	NELAP	2	CO004	11-30-15 *
New York	NELAP	2	11964	04-01-16
North Carolina (WW/SW)	State Program	4	358	12-31-15
North Dakota	State Program	8	R-034	01-09-16
Oklahoma	State Program	6	8614	08-31-16
Oregon	NELAP	10	4025	01-09-16
Pennsylvania	NELAP	3	68-00664	07-31-16
South Carolina	State Program	4	72002001	01-09-16
Texas	NELAP	6	T104704183-15-11	09-30-16
USDA	Federal		P330-13-00202	07-02-16
Utah	NELAP	8	CO00026	07-31-16
Virginia	NELAP	3	460232	06-14-16
Washington	State Program	10	C583	08-03-16
West Virginia DEP	State Program	3	354	11-30-15
Wisconsin	State Program	5	999615430	08-31-16
Wyoming (UST)	A2LA	8	2907.01	11-30-15

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117942-6
TestAmerica Sample Delivery Group: GTM06
Client Project/Site: GTMO, Cuba / Site Investigation

For:
Earth Toxics, Inc
PO Box 3382
Logan, Utah 84321

Attn: Mike Dryden

Michele R Kersey

Authorized for release by:
11/16/2015 3:26:46 PM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-117942-6

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Earth Toxics, Inc

Project: GTMO, Cuba / Site Investigation

Report Number: 680-117942-6

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 10/16/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.0º C, 3.2º C, 3.4º C, 3.4º C, 4.0º C and 4.4º C.

Receipt Exceptions
Sample volumes were received over a 2 day period due to a Federal Express delay, sample volumes were received on Friday 10/16/15 and Saturday 10/17/15.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH
In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Sample 680-117942-42 was analyzed at 6 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 1 ml final volume to be achieved.

Sample AOPSK101 (680-117942-42) was analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/24/2015 and analyzed on 10/29/2015.

Several analytes exceeded the recovery criteria low for the MS and MSD of sample 680-117942-43 in batch 680-408042. Several analytes exceeded the RPD limit.

Manual integration was performed on the following samples: AOPSK101 (680-117942-42), (680-117942-D-43-P) and (680-117942-D-43-R MS).

The sample duplicate (DUP) precision for preparation batch 680-407026 and analytical batch 680-408042 was outside control limits. Sample matrix interference is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS (GRO)
Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63),

Job ID: 680-117942-6 (Continued)

Laboratory: TestAmerica Savannah (Continued)

AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for Gasoline Range Organics (GRO) in accordance with EPA SW-846 Method 8015C. The samples were analyzed on 10/26/2015 and 10/27/2015.

a,a,a-Trifluorotoluene exceeded the surrogate recovery criteria high for AOPSE601 (680-117942-50), AOPCH501 (680-117942-56), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65), AOPSL701 (680-117942-66), AOPSH301MS (680-117942-53MS), 680-117942-A-26-B MS, AOPSH301MSD (680-117942-53MSD), 680-117942-A-26-C MSD.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 680-407394 and analytical batch 680-407433.

The following samples were activated by the client with 72 hours hold time remaining. As such, the laboratory had insufficient time to perform the analysis within holding time: AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples 680-117942-42 through 680-117942-66 were analyzed at 6 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 1 ml final volume to be achieved.

Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for Diesel Range Organics (DRO) in accordance with EPA SW-846 Method 8015C. The samples were prepared on 10/23/2015 and analyzed on 10/28/2015 and 10/31/2015.

Diesel Range Organics [C10-C28] exceeded the recovery criteria low for the MSD of sample AOPSH301MSD (680-117942-53) in batch 680-408225. Diesel Range Organics [C10-C28] exceeded the RPD limit.

Samples AOPSK101 (680-117942-42)[10X], AOPSM301 (680-117942-43)[10X], AOPSM201 (680-117942-44)[10X], AOPSL201 (680-117942-45)[5X], AOPSN301 (680-117942-46)[5X], AOPSM401 (680-117942-47)[5X], AOPSN401 (680-117942-48)[10X], AOPSM501 (680-117942-49)[5X], AOPSE601 (680-117942-50)[10X], AOPSF501 (680-117942-51)[10X], AOPSF701 (680-117942-52)[10X], AOPSH301 (680-117942-53)[5X], AOPSH401 (680-117942-54)[5X], AOPSH501 (680-117942-55)[10X], AOPCH501 (680-117942-56)[10X], AOPSJ201 (680-117942-57)[5X], AOPSK201 (680-117942-58)[5X], AOPSK301 (680-117942-59)[10X], AOPSK501 (680-117942-60)[10X], AOPSL301 (680-117942-61)[5X], AOPCL301 (680-117942-62)[5X], AOPSL401 (680-117942-63)[5X], AOPSL501 (680-117942-64)[5X], AOPSL601 (680-117942-65)[5X] and AOPSL701 (680-117942-66)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. As such, surrogate recovery for o-terphenyl was diluted below quantitation limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 15gm for 8081/8082 and 30gm for 8270/8015 DRO. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3546) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Job ID: 680-117942-6 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples 680-117942-42 through 680-117942-66 were analyzed at 5 grams due to the viscosity and color of similar GTMO sample extracts. This allowed a 10 ml final volume to be achieved.

Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 8081B/8082A. The samples were prepared on 10/23/2015 and analyzed on 10/29/2015, 10/30/2015 and 10/31/2015.

Samples AOPSK101 (680-117942-42)[5X], AOPSM301 (680-117942-43)[5X], AOPSM201 (680-117942-44)[25X], AOPSM201 (680-117942-44)[5X], AOPSL201 (680-117942-45)[5X], AOPSN301 (680-117942-46)[5X], AOPSM401 (680-117942-47)[5X], AOPSN401 (680-117942-48)[10X], AOPSM501 (680-117942-49)[5X], AOPSE601 (680-117942-50)[10X], AOPSF501 (680-117942-51)[10X], AOPSF701 (680-117942-52)[10X], AOPSH301 (680-117942-53)[10X], AOPSH401 (680-117942-54)[5X], AOPSH501 (680-117942-55)[10X], AOPCH501 (680-117942-56)[10X], AOPSJ201 (680-117942-57)[5X], AOPSK201 (680-117942-58)[5X], AOPSK301 (680-117942-59)[5X], AOPSK501 (680-117942-60)[10X], AOPSL301 (680-117942-61)[5X], AOPCL301 (680-117942-62)[5X], AOPSL401 (680-117942-63)[5X], AOPSL501 (680-117942-64)[5X], AOPSL601 (680-117942-65)[10X] and AOPSL701 (680-117942-66)[5X] required additional dilution prior to analysis. The reporting limits have been adjusted accordingly.

Manual integration was performed on the following sample: (680-117942-D-43-P).

DCB Decachlorobiphenyl and Tetrachloro-m-xylene exceeded the surrogate recovery criteria low for AOPSN401 (680-117942-48), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSK501 (680-117942-60), AOPSL601 (680-117942-65).

Kepone exceeded the recovery criteria high for LCS 680-406986/28-A. Kepone exceeded the recovery criteria high for LCS 680-407039/14-A. Refer to the QC report for details.

Dieldrin and Endrin exceeded the recovery criteria high for the MS of sample AOPSM301MS (680-117942-43) in batch 680-408335.

4,4'-DDT, Endrin and Endrin aldehyde exceeded the recovery criteria high for the MSD of sample AOPSM301MSD (680-117942-43) in batch 680-408335. Endrin and Endrin aldehyde exceeded the RPD limit.

Chlorobenzilate exceeded the recovery criteria low for the MS and MSD of sample AOPSH301 (680-117942-53) in batch 680-408113.

The closing continuing calibration verification (CCV) standard associated with batch 680-408335 exceeded to meet acceptance limits. The associated samples were re-analyzed following a successful CCV and produced similar results, indicating that the sample matrix is adversely affecting the instrument and causing the failures.

The closing continuing calibration verification (CCV) standard associated with batch 680-408113 exceeded to meet acceptance limits. The associated samples were re-analyzed following a successful CCV and produced similar results. Samples were re-analyzed at a dilution with a passing closing CCV and reported as DLs.

Data reported for this dual column/detector method is reported in accordance with the laboratory SOP SA-QA-008 which states:
The default procedure given in this SOP instructs the analyst to report the highest result when the %RPD <=40% and to report the lowest result when the %RPD exceeds 40%. This guidance uses RPD to determine if matrix interference is present. If the RPD is <=40%, the results between the two columns are essentially the same, and no matrix interference is deemed present. If the RPD exceeds 40%, matrix interference is most likely present, and the lower result is reported as the default. This guidance does not prohibit reporting the higher result when the %RPD exceeds 40; however, this guidance is intended to preclude reporting clearly unreasonable data. It is this laboratory's experience that a majority of matrix interferences are positive and that reporting the lower of the two results is reasonable when the %RPD exceeds 40.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 680-117942-6 (Continued)

Laboratory: TestAmerica Savannah (Continued)

ORGANOPHOSPHORUS PESTICIDES

In accordance with the laboratory SOP, the volume typically used for the preps are as follows: 30gm for 8141. Sample material appeared very loose which showed no cause for concern. However, after extraction by microwave technique, (method 3540) the sample extracts were too viscous and dark to be analyzed straight as exhibited by the coating of the glass vials by the extracts. Some samples were prepped at a reduced volume to account for the sample matrix exhibited in the initial extracts.

Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8141A. The samples were prepared on 10/25/2015 and 10/26/2015 and analyzed on 11/05/2015, 11/06/2015, 11/09/2015, 11/10/2015 and 11/11/2015.

Samples AOPSK101 (680-117942-42)[10X], AOPSK101 (680-117942-42)[100X], AOPSM301 (680-117942-43)[10X], AOPSM301 (680-117942-43)[100X], AOPSM201 (680-117942-44)[10X], AOPSM201 (680-117942-44)[100X], AOPSL201 (680-117942-45)[10X], AOPSL201 (680-117942-45)[100X], AOPSN301 (680-117942-46)[10X], AOPSN301 (680-117942-46)[100X], AOPSM401 (680-117942-47)[10X], AOPSM401 (680-117942-47)[100X], AOPSN401 (680-117942-48)[10X], AOPSN401 (680-117942-48)[100X], AOPSM501 (680-117942-49)[10X], AOPSM501 (680-117942-49)[100X], AOPSE601 (680-117942-50)[10X], AOPSE601 (680-117942-50)[100X], AOPSF501 (680-117942-51)[10X], AOPSF501 (680-117942-51)[100X], AOPSF701 (680-117942-52)[10X], AOPSF701 (680-117942-52)[100X], AOPSH301 (680-117942-53)[10X], AOPSH301 (680-117942-53)[100X], AOPSH401 (680-117942-54)[10X], AOPSH401 (680-117942-54)[100X], AOPSH501 (680-117942-55)[10X], AOPSH501 (680-117942-55)[100X], AOPCH501 (680-117942-56)[10X], AOPCH501 (680-117942-56)[100X], AOPSJ201 (680-117942-57)[10X], AOPSJ201 (680-117942-57)[100X], AOPSK201 (680-117942-58)[10X], AOPSK201 (680-117942-58)[100X], AOPSK301 (680-117942-59)[10X], AOPSK301 (680-117942-59)[100X], AOPSK501 (680-117942-60)[10X], AOPSL301 (680-117942-61)[10X], AOPSL301 (680-117942-61)[100X], AOPCL301 (680-117942-62)[10X], AOPCL301 (680-117942-62)[100X], AOPSL401 (680-117942-63)[10X], AOPSL401 (680-117942-63)[100X], AOPSL501 (680-117942-64)[10X], AOPSL501 (680-117942-64)[100X], AOPSL601 (680-117942-65)[10X], AOPSL601 (680-117942-65)[100X], AOPSL701 (680-117942-66)[10X] and AOPSL701 (680-117942-66)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Triphenylphosphate exceeded the surrogate recovery criteria high for AOPSM301 (680-117942-43), AOPSH401 (680-117942-54), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61

Several analytes exceeded the recovery criteria low for the MS and MSD of sample AOPSM301 (680-117942-43) in batch 280-303332.

Several analytes exceeded the recovery criteria low for the MS and MSD of sample AOPSH301 (680-117942-53) in batch 280-303191. Propazine exceeded the RPD limit.

The following samples could not be thoroughly homogenized before sub-sampling was performed due to sample matrix: AOPSN401 (680-117942-48) and AOPSF701 (680-117942-52). The sample was in standing water. analytical batch 280-300973 Method: 3540C 8141A_DOD5

Sample burned up during the extraction, the sample will be re-extracted within holding time. Batch: 300973, Prep Method: 3540C, Analytical Method: 8141A_DOD5. AOPSM401 (680-117942-47)

The laboratory control sample (LCS) for preparation batch 280-301124 and analytical batch 280-302698 recovered outside control limits for the following analytes: o,o,o-TEPT on the primary column (123% with limits of 40%-120%) and naled on the confirmaiton column (8% with limits of 10%-115%). These analytes were not detected in the associated samples; therefore, the data has been reported from the column that was in control.
8141 / A-302698 / P-301124

The laboratory control sample (LCS) for preparation batch 280-300973 and analytical batch 280-303191 recovered outside control limits on the primary column for o,o,o-TEPT on instrument D (123% with limits of 40%-120%). This analytes were biased high in the LCS and

Job ID: 680-117942-6 (Continued)

Laboratory: TestAmerica Savannah (Continued)

were not detected in the associated samples; therefore, this analyte has been reported from the confirmation column which was within control limits.
8141 / A-303191 / P-300973

The continuing calibration verification (CCV) associated with batch 280-302698 recovered above the upper control limit for dichlorvos. The samples associated with this CCV were non-detects for the affected analytes. We have a variance allowing us to report ND results with high CCV recoveries; therefore, the data has been reported. The CCVs also recovered below the lower limit for naled. Naled is reported from a higher dilution run with CCVs that were within control limits. The following samples are impacted: AOPSM401 (680-117942-47), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65), AOPSL701 (680-117942-66), (CCV 280-302698/23) and (CCV 280-302698/32).

The continuing calibration verification (CCV) associated with batch 280-303191 recovered outside control limits for the analytes listed below. The samples associated with this CCV were non-detects for the affected analytes. We have a variance to report ND results with high CCV recoveries, therefore dichlorvos is reported from the confirmation column. The other affected analytes are reported from the column that is within control limits (naled is only reported from bracket 1 at a higher dilution). The following samples are impacted: AOPSH301 (680-117942-53), AOPSH301 (680-117942-53[MS]), AOPSH301 (680-117942-53[MSD]), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), (CCV 280-303191/14), (CCV 280-303191/25), (CCVIS 280-303191/3), (LCS 280-300973/2-A) and (MB 280-300973/1-A)
8141 / A-303191 / P-300973

The initial calibration curve analyzed in batch 280-303191 did not support the RL for mevinphos on the primary column due to dropped points. Mevinphos is ND in the associated samples and is reported from the confirmation column which supports the RL.
8141 / A-303191, 303416 / P-300973

The continuing calibration verification (CCV) associated with batch 280-303416 recovered outside control limits for the analytes listed below. The samples associated with this CCV were non-detects for the affected analytes. The affected analytes are reported from the confirmation column. The following samples are impacted: AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), (CCV 280-303416/13), (CCV 280-303416/5) and (CCVIS 280-303416/1).
8141 / A-303416 / P-300973

Due to an inconsistent signal on the front detector, primary column data is not used for batch 303141 due to multiple internal standard failures. Naled (which was ND in the associated samples) was reported from the confirmation column for this batch.
8141 / A-303141 / P-300973

The continuing calibration verification (CCV) associated with batch 280-303141 recovered outisde control limits for the analytes listed below. This batch is used to report naled from the confirmation column (naled was ND in the associated samples). The primary column is not used (see NCM 252825) The following samples are impacted: AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), (CCV 280-303141/18), (CCV 280-303141/6) and (CCVIS 280-303141/3).
8141 / A-303141 / P-300973

The continuing calibration verification (CCV) associated with batch 280-303332 recovered outside control limits for the analytes listed below. The samples associated with this CCV were non-detects for the affected analytes. Results are reported from the column that is within control limits. Naled is not reported from this batch. The following samples are impacted: AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM301 (680-117942-43[MS]), AOPSM301 (680-117942-43[MSD]), AOPSM201 (680-117942-44) and (CCVIS 280-303332/3).
8141 / A-303332 / P-300973

Prep batch 300973 is reported from two instruments. The MB and LCS were run and are in control on both instruments. Both runs are reported.
8141 / A-303569, 303332, 303416, 303191, 303141 / P-300973

The continuing calibration verification (CCV) associated with batch 280-303569 recovered outside control limits for the analytes listed

Job ID: 680-117942-6 (Continued)

Laboratory: TestAmerica Savannah (Continued)

below. The samples associated with this CCV were non-detects for the affected analytes. The affected analytes are reported from the confirmation column. The following samples are impacted: AOPSN401 (680-117942-48), (CCVIS 280-303569/3), (LCS 280-300973/2-A) and (MB 280-300973/1-A).
8141 / A-303569 / P-300973

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ORGANOPHOSPHORUS PESTICIDES
Samples FB101415 (680-117942-67) and EB101415 (680-117942-68) were analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8141A. The samples were prepared on 10/21/2015 and analyzed on 10/23/2015.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 280-300374.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HERBICIDES
Samples AOPSK101 (680-117942-42), AOPSM301 (680-117942-43), AOPSM201 (680-117942-44), AOPSL201 (680-117942-45), AOPSN301 (680-117942-46), AOPSM401 (680-117942-47), AOPSN401 (680-117942-48), AOPSM501 (680-117942-49), AOPSE601 (680-117942-50), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPSH301 (680-117942-53), AOPSH401 (680-117942-54), AOPSH501 (680-117942-55), AOPCH501 (680-117942-56), AOPSJ201 (680-117942-57), AOPSK201 (680-117942-58), AOPSK301 (680-117942-59), AOPSK501 (680-117942-60), AOPSL301 (680-117942-61), AOPCL301 (680-117942-62), AOPSL401 (680-117942-63), AOPSL501 (680-117942-64), AOPSL601 (680-117942-65) and AOPSL701 (680-117942-66) were analyzed for herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 10/23/2015 and analyzed on 10/24/2015 and 10/25/2015.

Samples AOPSK101 (680-117942-42)[5X], AOPSM301 (680-117942-43)[5X], AOPSM201 (680-117942-44)[5X], AOPSM401 (680-117942-47)[5X], AOPSN401 (680-117942-48)[10X], AOPSM501 (680-117942-49)[5X], AOPSE601 (680-117942-50)[10X], AOPSF501 (680-117942-51)[10X], AOPSF701 (680-117942-52)[10X], AOPSH501 (680-117942-55)[5X], AOPCH501 (680-117942-56)[10X], AOPSK501 (680-117942-60)[10X], AOPSL601 (680-117942-65)[5X] and AOPSL701 (680-117942-66)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

2,4-Dichlorophenylacetic acid (Surr) exceeded the surrogate recovery criteria low for AOPSN401 (680-117942-48), AOPSF501 (680-117942-51), AOPSF701 (680-117942-52), AOPCH501 (680-117942-56), AOPSK501 (680-117942-60).

2,4-DB exceeded the recovery criteria low for LCS 680-406950/22-A. Refer to the QC report for details.

2,4,5-T exceeded the recovery criteria low for the MS of sample AOPSM301MS (680-117942-43) in batch 680-407271. MCPP exceeded the recovery criteria high.

For the MSD of sample AOPSM301MSD (680-117942-43) in batch 680-407271, Dalapon exceeded the recovery criteria low. MCPP exceeded the recovery criteria high. Also, 2,4,5-T, 2,4-DB and Dalapon exceeded the RPD limit.

The following analyte(s) recovered outside project control limits for the LCS associated with preparation batch 680-406950 and analytical batch 680-407271: 2,4-DB. This analyte is known to have poor recoveries for this method. The recovery was within the 4X marginal exceedance limits of the project but was not random. This analyte is within control established in-house control limits of 10%-130% based on lab data. Therefore, re-extraction was not performed.

Data reported for this dual column/detector method is reported in accordance with the laboratory SOP SA-QA-008 which states:
The default procedure given in this SOP instructs the analyst to report the highest result when the %RPD <=40% and to report the lowest result when the %RPD exceeds 40%. This guidance uses RPD to determine if matrix interference is present. If the RPD is <=40%, the results between the two columns are essentially the same, and no matrix interference is deemed present. If the RPD exceeds 40%, matrix interference is most likely present, and the lower result is reported as the default. This guidance does not prohibit reporting the higher result when the %RPD exceeds 40; however, this guidance is intended to preclude reporting clearly unreasonable data. It is this laboratory's experience that a majority of matrix interferences are positive and that reporting the lower of the two results is reasonable when the %RPD exceeds 40.

Sample Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117942-42	AOPSK101	Solid	10/12/15 14:28	10/17/15 09:55
680-117942-43	AOPSM301	Solid	10/12/15 14:00	10/16/15 09:45
680-117942-44	AOPSM201	Solid	10/12/15 13:58	10/16/15 09:45
680-117942-45	AOPSL201	Solid	10/12/15 14:25	10/17/15 09:50
680-117942-46	AOPSN301	Solid	10/12/15 13:55	10/17/15 09:50
680-117942-47	AOPSM401	Solid	10/12/15 13:35	10/17/15 09:50
680-117942-48	AOPSN401	Solid	10/12/15 13:35	10/17/15 09:50
680-117942-49	AOPSM501	Solid	10/12/15 13:35	10/16/15 09:45
680-117942-50	AOPSE601	Solid	10/12/15 17:07	10/17/15 09:50
680-117942-51	AOPSF501	Solid	10/12/15 17:20	10/17/15 09:50
680-117942-52	AOPSF701	Solid	10/12/15 16:46	10/17/15 09:50
680-117942-53	AOPSH301	Solid	10/12/15 17:00	10/16/15 09:45
680-117942-54	AOPSH401	Solid	10/12/15 17:15	10/16/15 09:45
680-117942-55	AOPSH501	Solid	10/12/15 17:20	10/17/15 09:50
680-117942-56	AOPCH501	Solid	10/12/15 17:20	10/17/15 09:50
680-117942-57	AOPSJ201	Solid	10/12/15 15:20	10/17/15 09:50
680-117942-58	AOPSK201	Solid	10/12/15 14:57	10/17/15 09:50
680-117942-59	AOPSK301	Solid	10/12/15 15:05	10/17/15 09:50
680-117942-60	AOPSK501	Solid	10/12/15 15:45	10/17/15 09:50
680-117942-61	AOPSL301	Solid	10/12/15 15:00	10/17/15 09:50
680-117942-62	AOPCL301	Solid	10/12/15 15:00	10/17/15 09:50
680-117942-63	AOPSL401	Solid	10/12/15 15:20	10/17/15 09:50
680-117942-64	AOPSL501	Solid	10/12/15 16:08	10/17/15 09:50
680-117942-65	AOPSL601	Solid	10/12/15 15:45	10/17/15 09:50
680-117942-66	AOPSL701	Solid	10/12/15 16:15	10/17/15 09:50
680-117942-67	FB101415	Water	10/14/15 13:35	10/17/15 09:50
680-117942-68	EB101415	Water	10/14/15 13:45	10/17/15 09:50

Method Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Method	Method Description	Protocol	Laboratory
8270D DOD	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
8015C GRO	Gasoline Range Organics (GRO)	SW846	TAL SAV
8015C DRO	Diesel Range Organics (DRO) (GC)	SW846	TAL SAV
8081B 8082A	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8141A	Organophosphorous Pesticides (GC)	SW846	TAL DEN
8151A DOD	Herbicides (GC)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
M	Manual integrated compound.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
D	The reported value is from a dilution.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

GC VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
Q	One or more quality control criteria failed.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
Q	One or more quality control criteria failed.
D	The reported value is from a dilution.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix sp ke concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: AOPSK101

Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42

Matrix: Solid
Percent Solids: 92.5

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Acenaphthylene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Anthracene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Benzo[a]anthracene	**0.037**		0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Benzo[a]pyrene	**0.037**		0.037	0.018	0.0066	mg/Kg	☼	10/29/15 17:42	1
Benzo[b]fluoranthene	**0.066**	**M**	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Benzo[g,h,i]perylene	**0.037**		0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Benzo[k]fluoranthene	**0.017**	**J M**	0.037	0.018	0.011	mg/Kg	☼	10/29/15 17:42	1
Chrysene	**0.043**		0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Fluoranthene	**0.075**		0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Fluorene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Indeno[1,2,3-cd]pyrene	**0.033**	**J**	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Naphthalene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
Phenanthrene	**0.031**	**J**	0.037	0.018	0.013	mg/Kg	☼	10/29/15 17:42	1
Pyrene	**0.058**		0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1
1-Methylnaphthalene	0.018	U	0.037	0.018	0.017	mg/Kg	☼	10/29/15 17:42	1
2-Methylnaphthalene	0.037	U	0.037	0.037	0.018	mg/Kg	☼	10/29/15 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*36 - 131*	*10/24/15 09:57*	*10/29/15 17:42*	*1*

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.51	mg/Kg	☼	10/26/15 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*68 - 134*	*10/25/15 12:00*	*10/26/15 01:53*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/28/15 05:27	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/28/15 05:27	10
JP-4 Fuel	360	U	360	360	360	mg/Kg	☼	10/28/15 05:27	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/28/15 05:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 05:27*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0061	U	0.028	0.0061	0.0025	mg/Kg	☼	10/30/15 20:52	5
alpha-BHC	0.0061	U	0.028	0.0061	0.0023	mg/Kg	☼	10/30/15 20:52	5
alpha-Chlordane	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 20:52	5
beta-BHC	0.012	U	0.028	0.012	0.0054	mg/Kg	☼	10/30/15 20:52	5
Chlordane (technical)	0.11	U	0.28	0.11	0.048	mg/Kg	☼	10/30/15 20:52	5
Chlorobenzilate	0.95	U Q	1.6	0.95	0.39	mg/Kg	☼	10/30/15 20:52	5
4,4'-DDD	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 20:52	5
4,4'-DDE	**0.12**	**D**	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 20:52	5
4,4'-DDT	**0.033**	**D Q**	0.028	0.0082	0.0036	mg/Kg	☼	10/30/15 20:52	5
delta-BHC	0.0082	U	0.028	0.0082	0.0031	mg/Kg	☼	10/30/15 20:52	5

Client Sample ID: AOPSK101

Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42

Matrix: Solid
Percent Solids: 92.5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dieldrin	0.0061	U	0.028	0.0061	0.0028	mg/Kg	☼	10/30/15 20:52	5
Endosulfan I	0.0061	U	0.028	0.0061	0.0028	mg/Kg	☼	10/30/15 20:52	5
Endosulfan II	0.0061	U	0.028	0.0061	0.0025	mg/Kg	☼	10/30/15 20:52	5
Endosulfan sulfate	0.0082	U	0.028	0.0082	0.0035	mg/Kg	☼	10/30/15 20:52	5
Endrin	0.0082	U	0.028	0.0082	0.0036	mg/Kg	☼	10/30/15 20:52	5
Endrin aldehyde	0.0082	U	0.028	0.0082	0.0036	mg/Kg	☼	10/30/15 20:52	5
Endrin ketone	0.0082	U	0.028	0.0082	0.0033	mg/Kg	☼	10/30/15 20:52	5
gamma-BHC (Lindane)	0.0061	U	0.028	0.0061	0.0023	mg/Kg	☼	10/30/15 20:52	5
gamma-Chlordane	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 20:52	5
Heptachlor	0.0082	U	0.028	0.0082	0.0031	mg/Kg	☼	10/30/15 20:52	5
Heptachlor epoxide	0.0061	U	0.028	0.0061	0.0026	mg/Kg	☼	10/30/15 20:52	5
Isodrin	0.015	U	0.028	0.015	0.0056	mg/Kg	☼	10/30/15 20:52	5
Kepone	0.58	U Q	1.6	0.58	0.21	mg/Kg	☼	10/30/15 20:52	5
Methoxychlor	0.012	U	0.028	0.012	0.0046	mg/Kg	☼	10/30/15 20:52	5
PCB-1016	0.38	U	0.54	0.38	0.18	mg/Kg	☼	10/30/15 20:52	5
PCB-1221	0.49	U	0.54	0.49	0.25	mg/Kg	☼	10/30/15 20:52	5
PCB-1232	0.21	U	0.54	0.21	0.086	mg/Kg	☼	10/30/15 20:52	5
PCB-1242	0.21	U	0.54	0.21	0.082	mg/Kg	☼	10/30/15 20:52	5
PCB-1248	0.33	U	0.54	0.33	0.13	mg/Kg	☼	10/30/15 20:52	5
PCB-1254	0.49	U	0.54	0.49	0.16	mg/Kg	☼	10/30/15 20:52	5
PCB-1260	0.38	U	0.54	0.38	0.16	mg/Kg	☼	10/30/15 20:52	5
Toxaphene	0.21	U	2.8	0.21	0.090	mg/Kg	☼	10/30/15 20:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*44 - 129*	*10/23/15 11:50*	*10/30/15 20:52*	*5*
Tetrachloro-m-xylene	*77*		*46 - 130*	*10/23/15 11:50*	*10/30/15 20:52*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	700	350	130	ug/Kg	☼	11/10/15 15:56	10
Azinphos-ethyl	350	U	350	350	91	ug/Kg	☼	11/10/15 15:56	10
Azinphos-methyl	84	U	140	84	37	ug/Kg	☼	11/10/15 15:56	10
Bolstar	180	U	140	180	45	ug/Kg	☼	11/10/15 15:56	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	11/10/15 15:56	10
Coumaphos	84	U	140	84	29	ug/Kg	☼	11/10/15 15:56	10
Demeton-O	240	U	410	240	56	ug/Kg	☼	11/10/15 15:56	10
Demeton-S	100	U	160	100	51	ug/Kg	☼	11/10/15 15:56	10
Demeton, Total	180	U	410	180	79	ug/Kg	☼	11/10/15 15:56	10
Diazinon	180	U	230	180	76	ug/Kg	☼	11/10/15 15:56	10
Dichlorvos	180	U	240	180	78	ug/Kg	☼	11/10/15 15:56	10
Dimethoate	180	U	230	180	74	ug/Kg	☼	11/10/15 15:56	10
Disulfoton	180	U	500	180	81	ug/Kg	☼	11/10/15 15:56	10
EPN	84	U	140	84	39	ug/Kg	☼	11/10/15 15:56	10
Mocap	180	U	160	180	52	ug/Kg	☼	11/10/15 15:56	10
Ethyl Parathion	180	U	190	180	56	ug/Kg	☼	11/10/15 15:56	10
Famphur	84	U	140	84	34	ug/Kg	☼	11/10/15 15:56	10
Fensulfothion	180	U	260	180	86	ug/Kg	☼	11/10/15 15:56	10
Fenthion	350	U	350	350	92	ug/Kg	☼	11/10/15 15:56	10
Malathion	180	U	160	180	49	ug/Kg	☼	11/10/15 15:56	10
Merphos	180	U	310	180	54	ug/Kg	☼	11/10/15 15:56	10

Client Sample ID: AOPSK101

Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42

Matrix: Solid
Percent Solids: 92.5

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methyl parathion	180	U	210	180	67	ug/Kg	☼	11/10/15 15:56	10
Mevinphos	180	U	160	180	49	ug/Kg	☼	11/10/15 15:56	10
Phorate	180	U	210	180	60	ug/Kg	☼	11/10/15 15:56	10
Phosmet	700	U	700	700	200	ug/Kg	☼	11/10/15 15:56	10
Propazine	350	U	700	350	91	ug/Kg	☼	11/10/15 15:56	10
Ronnel	350	U	480	350	160	ug/Kg	☼	11/10/15 15:56	10
Simazine	700	U	700	700	230	ug/Kg	☼	11/10/15 15:56	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	11/10/15 15:56	10
Sulfotepp	180	U	210	180	66	ug/Kg	☼	11/10/15 15:56	10
Thionazin	180	U	190	180	58	ug/Kg	☼	11/10/15 15:56	10
Tokuthion	84	U	210	84	41	ug/Kg	☼	11/10/15 15:56	10
Trichloronate	180	U	210	180	66	ug/Kg	☼	11/10/15 15:56	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	82	ug/Kg	☼	11/10/15 15:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*74*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 15:56*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7000	U	7300	7000	2400	ug/Kg	☼	11/09/15 20:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*84*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 20:57*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.027	U	0.045	0.027	0.027	mg/Kg	☼	10/24/15 19:03	5
Dalapon	0.043	U	0.54	0.043	0.016	mg/Kg	☼	10/24/15 19:03	5
2,4-DB	0.027	U Q	0.045	0.027	0.016	mg/Kg	☼	10/24/15 19:03	5
Dicamba	0.027	U	0.045	0.027	0.010	mg/Kg	☼	10/24/15 19:03	5
Dichlorprop	0.011	U	0.045	0.011	0.0059	mg/Kg	☼	10/24/15 19:03	5
Dinoseb	0.027	U	0.27	0.027	0.025	mg/Kg	☼	10/24/15 19:03	5
MCPA	2.6	U	11	2.6	1.0	mg/Kg	☼	10/24/15 19:03	5
MCPP	2.6	U	11	2.6	0.92	mg/Kg	☼	10/24/15 19:03	5
Pentachlorophenol	0.0054	U	0.045	0.0054	0.0023	mg/Kg	☼	10/24/15 19:03	5
Silvex (2,4,5-TP)	0.027	U	0.045	0.027	0.0086	mg/Kg	☼	10/24/15 19:03	5
2,4,5-T	0.027	U	0.045	0.027	0.012	mg/Kg	☼	10/24/15 19:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*79*		*27 - 122*	*10/23/15 07:42*	*10/24/15 19:03*	*5*

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.53	mg/Kg	☼	10/26/15 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*128*		*68 - 134*	*10/25/15 12:00*	*10/26/15 05:00*	*1*

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	U	190	170	120	mg/Kg	☼	10/28/15 05:42	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/28/15 05:42	10
JP-4 Fuel	370	U	370	370	370	mg/Kg	☼	10/28/15 05:42	10
JP-5	190	U	190	190	190	mg/Kg	☼	10/28/15 05:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 05:42*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0063	U	0.029	0.0063	0.0025	mg/Kg	☼	10/30/15 21:07	5
alpha-BHC	0.0063	U	0.029	0.0063	0.0024	mg/Kg	☼	10/30/15 21:07	5
alpha-Chlordane	0.0063	U	0.029	0.0063	0.0030	mg/Kg	☼	10/30/15 21:07	5
beta-BHC	0.012	U	0.029	0.012	0.0056	mg/Kg	☼	10/30/15 21:07	5
Chlordane (technical)	0.11	U	0.29	0.11	0.049	mg/Kg	☼	10/30/15 21:07	5
Chlorobenzilate	0.98	U Q	1.7	0.98	0.41	mg/Kg	☼	10/30/15 21:07	5
4,4'-DDD	0.0063	U	0.029	0.0063	0.0030	mg/Kg	☼	10/30/15 21:07	5
4,4'-DDE	**0.050**	**D**	0.029	0.0063	0.0030	mg/Kg	☼	10/30/15 21:07	5
4,4'-DDT	**0.026**	**D M J**	0.029	0.0085	0.0037	mg/Kg	☼	10/30/15 21:07	5
delta-BHC	0.0085	U	0.029	0.0085	0.0032	mg/Kg	☼	10/30/15 21:07	5
Dieldrin	**0.17**	**D M J**	0.029	0.0063	0.0029	mg/Kg	☼	10/30/15 21:07	5
Endosulfan I	0.0063	U	0.029	0.0063	0.0029	mg/Kg	☼	10/30/15 21:07	5
Endosulfan II	0.0063	U J	0.029	0.0063	0.0025	mg/Kg	☼	10/30/15 21:07	5
Endosulfan sulfate	0.0085	U	0.029	0.0085	0.0036	mg/Kg	☼	10/30/15 21:07	5
Endrin	0.0085	U J	0.029	0.0085	0.0037	mg/Kg	☼	10/30/15 21:07	5
Endrin aldehyde	0.0085	U J	0.029	0.0085	0.0037	mg/Kg	☼	10/30/15 21:07	5
Endrin ketone	**0.012**	**D M J**	0.029	0.0085	0.0034	mg/Kg	☼	10/30/15 21:07	5
gamma-BHC (Lindane)	0.0063	U J	0.029	0.0063	0.0024	mg/Kg	☼	10/30/15 21:07	5
gamma-Chlordane	0.0063	U	0.029	0.0063	0.0030	mg/Kg	☼	10/30/15 21:07	5
Heptachlor	0.0085	U	0.029	0.0085	0.0032	mg/Kg	☼	10/30/15 21:07	5
Heptachlor epoxide	0.0063	U	0.029	0.0063	0.0027	mg/Kg	☼	10/30/15 21:07	5
Isodrin	0.016	U	0.029	0.016	0.0058	mg/Kg	☼	10/30/15 21:07	5
Kepone	0.59	U J Q	1.7	0.59	0.22	mg/Kg	☼	10/30/15 21:07	5
Methoxychlor	0.012	U J	0.029	0.012	0.0047	mg/Kg	☼	10/30/15 21:07	5
PCB-1016	0.39	U	0.56	0.39	0.19	mg/Kg	☼	10/30/15 21:07	5
PCB-1221	0.51	U	0.56	0.51	0.25	mg/Kg	☼	10/30/15 21:07	5
PCB-1232	0.22	U	0.56	0.22	0.088	mg/Kg	☼	10/30/15 21:07	5
PCB-1242	0.22	U	0.56	0.22	0.085	mg/Kg	☼	10/30/15 21:07	5
PCB-1248	0.34	U	0.56	0.34	0.14	mg/Kg	☼	10/30/15 21:07	5
PCB-1254	0.51	U	0.56	0.51	0.17	mg/Kg	☼	10/30/15 21:07	5
PCB-1260	0.39	U J	0.56	0.39	0.16	mg/Kg	☼	10/30/15 21:07	5
Toxaphene	0.22	U	2.9	0.22	0.093	mg/Kg	☼	10/30/15 21:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*	*M*	*44 - 129*	*10/23/15 11:50*	*10/30/15 21:07*	*5*
Tetrachloro-m-xylene	*73*		*46 - 130*	*10/23/15 11:50*	*10/30/15 21:07*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U J	710	350	130	ug/Kg	☼	11/10/15 16:26	10

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Azinphos-ethyl	350	U	350	350	92	ug/Kg	☼	11/10/15 16:26	10
Azinphos-methyl	85	U	140	85	37	ug/Kg	☼	11/10/15 16:26	10
Bolstar	180	U	140	180	45	ug/Kg	☼	11/10/15 16:26	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	11/10/15 16:26	10
Coumaphos	85	U	140	85	30	ug/Kg	☼	11/10/15 16:26	10
Demeton-O	240	U	410	240	56	ug/Kg	☼	11/10/15 16:26	10
Demeton-S	110	U	160	110	52	ug/Kg	☼	11/10/15 16:26	10
Demeton, Total	180	U	410	180	80	ug/Kg	☼	11/10/15 16:26	10
Diazinon	180	U	230	180	77	ug/Kg	☼	11/10/15 16:26	10
Dichlorvos	180	U	240	180	78	ug/Kg	☼	11/10/15 16:26	10
Dimethoate	180	U	230	180	75	ug/Kg	☼	11/10/15 16:26	10
Disulfoton	180	U	510	180	82	ug/Kg	☼	11/10/15 16:26	10
EPN	85	U	140	85	39	ug/Kg	☼	11/10/15 16:26	10
Mocap	180	U	160	180	52	ug/Kg	☼	11/10/15 16:26	10
Ethyl Parathion	180	U	190	180	56	ug/Kg	☼	11/10/15 16:26	10
Famphur	85	U	140	85	34	ug/Kg	☼	11/10/15 16:26	10
Fensulfothion	180	U	260	180	86	ug/Kg	☼	11/10/15 16:26	10
Fenthion	350	U	350	350	93	ug/Kg	☼	11/10/15 16:26	10
Malathion	180	U	160	180	49	ug/Kg	☼	11/10/15 16:26	10
Merphos	180	U J	320	180	54	ug/Kg	☼	11/10/15 16:26	10
Methyl parathion	180	U	210	180	68	ug/Kg	☼	11/10/15 16:26	10
Mevinphos	180	U	160	180	49	ug/Kg	☼	11/10/15 16:26	10
Phorate	180	U	210	180	60	ug/Kg	☼	11/10/15 16:26	10
Phosmet	710	U	710	710	200	ug/Kg	☼	11/10/15 16:26	10
Propazine	350	U	710	350	91	ug/Kg	☼	11/10/15 16:26	10
Ronnel	350	U	490	350	160	ug/Kg	☼	11/10/15 16:26	10
Simazine	710	U	710	710	230	ug/Kg	☼	11/10/15 16:26	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	11/10/15 16:26	10
Sulfotepp	180	U	210	180	66	ug/Kg	☼	11/10/15 16:26	10
Thionazin	180	U	190	180	59	ug/Kg	☼	11/10/15 16:26	10
Tokuthion	85	U	210	85	41	ug/Kg	☼	11/10/15 16:26	10
Trichloronate	180	U	210	180	66	ug/Kg	☼	11/10/15 16:26	10
o,o',o''-Triethylphosphorothioate	180	U J	410	180	83	ug/Kg	☼	11/10/15 16:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*186*	*D Q*	*47 - 161*	*10/25/15 11:20*	*11/10/15 16:26*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7100	U	7400	7100	2400	ug/Kg	☼	11/09/15 21:26	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*105*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 21:26*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.027	U	0.045	0.027	0.027	mg/Kg	☼	10/24/15 19:22	5
Dalapon	0.043	U J	0.54	0.043	0.016	mg/Kg	☼	10/24/15 19:22	5
2,4-DB	0.027	U Q J	0.045	0.027	0.016	mg/Kg	☼	10/24/15 19:22	5
Dicamba	0.027	U	0.045	0.027	0.010	mg/Kg	☼	10/24/15 19:22	5

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Method: 8151A DOD - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dichlorprop	0.011	U	0.045	0.011	0.0059	mg/Kg	☼	10/24/15 19:22	5
Dinoseb	0.027	U	0.27	0.027	0.025	mg/Kg	☼	10/24/15 19:22	5
MCPA	2.6	U	11	2.6	1.0	mg/Kg	☼	10/24/15 19:22	5
MCPP	2.6	U J	11	2.6	0.91	mg/Kg	☼	10/24/15 19:22	5
Pentachlorophenol	0.0054	U	0.045	0.0054	0.0023	mg/Kg	☼	10/24/15 19:22	5
Silvex (2,4,5-TP)	0.027	U	0.045	0.027	0.0086	mg/Kg	☼	10/24/15 19:22	5
2,4,5-T	0.027	U J	0.045	0.027	0.012	mg/Kg	☼	10/24/15 19:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*89*		*27 - 122*	*10/23/15 07:42*	*10/24/15 19:22*	*5*

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.50	mg/Kg	☼	10/26/15 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*68 - 134*	*10/25/15 12:00*	*10/26/15 02:16*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**180**	**J D**	190	170	120	mg/Kg	☼	10/28/15 06:56	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/28/15 06:56	10
JP-4 Fuel	380	U	380	380	380	mg/Kg	☼	10/28/15 06:56	10
JP-5	190	U	190	190	190	mg/Kg	☼	10/28/15 06:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 06:56*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0062	U	0.029	0.0062	0.0025	mg/Kg	☼	10/30/15 21:23	5
alpha-BHC	0.0062	U	0.029	0.0062	0.0024	mg/Kg	☼	10/30/15 21:23	5
alpha-Chlordane	**0.11**	**D M**	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 21:23	5
beta-BHC	0.012	U	0.029	0.012	0.0055	mg/Kg	☼	10/30/15 21:23	5
Chlordane (technical)	**0.19**	**J D**	0.29	0.11	0.049	mg/Kg	☼	10/30/15 21:23	5
Chlorobenzilate	0.97	U Q	1.7	0.97	0.40	mg/Kg	☼	10/30/15 21:23	5
4,4'-DDD	**0.015**	**J D M**	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 21:23	5
4,4'-DDE	**1.5**	**J D M**	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 21:23	5
4,4'-DDT	**0.35**	**D M**	0.029	0.0084	0.0037	mg/Kg	☼	10/30/15 21:23	5
delta-BHC	0.0084	U	0.029	0.0084	0.0032	mg/Kg	☼	10/30/15 21:23	5
Dieldrin	**0.052**	**D M**	0.029	0.0062	0.0029	mg/Kg	☼	10/30/15 21:23	5
Endosulfan I	0.0062	U	0.029	0.0062	0.0029	mg/Kg	☼	10/30/15 21:23	5
Endosulfan II	0.0062	U	0.029	0.0062	0.0025	mg/Kg	☼	10/30/15 21:23	5
Endosulfan sulfate	0.0084	U	0.029	0.0084	0.0035	mg/Kg	☼	10/30/15 21:23	5
Endrin	0.0084	U	0.029	0.0084	0.0037	mg/Kg	☼	10/30/15 21:23	5
Endrin aldehyde	0.0084	U	0.029	0.0084	0.0037	mg/Kg	☼	10/30/15 21:23	5
Endrin ketone	**0.017**	**J D M**	0.029	0.0084	0.0034	mg/Kg	☼	10/30/15 21:23	5

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0062	U	0.029	0.0062	0.0024	mg/Kg	☼	10/30/15 21:23	5
gamma-Chlordane	**0.043**	**D M**	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 21:23	5
Heptachlor	0.0084	U	0.029	0.0084	0.0032	mg/Kg	☼	10/30/15 21:23	5
Heptachlor epoxide	0.0062	U	0.029	0.0062	0.0027	mg/Kg	☼	10/30/15 21:23	5
Isodrin	0.015	U	0.029	0.015	0.0057	mg/Kg	☼	10/30/15 21:23	5
Kepone	0.59	U Q	1.7	0.59	0.22	mg/Kg	☼	10/30/15 21:23	5
Methoxychlor	0.012	U	0.029	0.012	0.0047	mg/Kg	☼	10/30/15 21:23	5
PCB-1016	0.39	U	0.55	0.39	0.18	mg/Kg	☼	10/30/15 21:23	5
PCB-1221	0.50	U	0.55	0.50	0.25	mg/Kg	☼	10/30/15 21:23	5
PCB-1232	0.22	U	0.55	0.22	0.087	mg/Kg	☼	10/30/15 21:23	5
PCB-1242	0.22	U	0.55	0.22	0.084	mg/Kg	☼	10/30/15 21:23	5
PCB-1248	0.34	U	0.55	0.34	0.14	mg/Kg	☼	10/30/15 21:23	5
PCB-1254	0.50	U	0.55	0.50	0.17	mg/Kg	☼	10/30/15 21:23	5
PCB-1260	0.39	U	0.55	0.39	0.16	mg/Kg	☼	10/30/15 21:23	5
Toxaphene	0.22	U	2.9	0.22	0.092	mg/Kg	☼	10/30/15 21:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*	*M*	*44 - 129*	*10/23/15 11:50*	*10/30/15 21:23*	*5*
Tetrachloro-m-xylene	*74*		*46 - 130*	*10/23/15 11:50*	*10/30/15 21:23*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.031	U	0.14	0.031	0.013	mg/Kg	☼	10/31/15 19:33	25
alpha-BHC	0.031	U	0.14	0.031	0.012	mg/Kg	☼	10/31/15 19:33	25
alpha-Chlordane	**0.16**	**D M**	0.14	0.031	0.015	mg/Kg	☼	10/31/15 19:33	25
beta-BHC	0.061	U	0.14	0.061	0.028	mg/Kg	☼	10/31/15 19:33	25
Chlordane (technical)	**0.38**	**J D**	1.4	0.56	0.24	mg/Kg	☼	10/31/15 19:33	25
Chlorobenzilate	4.9	U Q	8.4	4.9	2.0	mg/Kg	☼	10/31/15 19:33	25
4,4'-DDD	**0.028**	**J D M**	0.14	0.031	0.015	mg/Kg	☼	10/31/15 19:33	25
4,4'-DDE	**2.1**	**D M**	0.14	0.031	0.015	mg/Kg	☼	10/31/15 19:33	25
4,4'-DDT	**0.48**	**D M**	0.14	0.042	0.018	mg/Kg	☼	10/31/15 19:33	25
delta-BHC	0.042	U	0.14	0.042	0.016	mg/Kg	☼	10/31/15 19:33	25
Dieldrin	**0.073**	**J D M**	0.14	0.031	0.014	mg/Kg	☼	10/31/15 19:33	25
Endosulfan I	0.031	U	0.14	0.031	0.014	mg/Kg	☼	10/31/15 19:33	25
Endosulfan II	0.031	U	0.14	0.031	0.013	mg/Kg	☼	10/31/15 19:33	25
Endosulfan sulfate	0.042	U	0.14	0.042	0.018	mg/Kg	☼	10/31/15 19:33	25
Endrin	0.042	U	0.14	0.042	0.018	mg/Kg	☼	10/31/15 19:33	25
Endrin aldehyde	0.042	U	0.14	0.042	0.018	mg/Kg	☼	10/31/15 19:33	25
Endrin ketone	**0.029**	**J D M**	0.14	0.042	0.017	mg/Kg	☼	10/31/15 19:33	25
gamma-BHC (Lindane)	0.031	U	0.14	0.031	0.012	mg/Kg	☼	10/31/15 19:33	25
gamma-Chlordane	**0.063**	**J D M**	0.14	0.031	0.015	mg/Kg	☼	10/31/15 19:33	25
Heptachlor	0.042	U	0.14	0.042	0.016	mg/Kg	☼	10/31/15 19:33	25
Heptachlor epoxide	0.031	U	0.14	0.031	0.013	mg/Kg	☼	10/31/15 19:33	25
Isodrin	0.077	U	0.14	0.077	0.029	mg/Kg	☼	10/31/15 19:33	25
Kepone	2.9	U Q	8.4	2.9	1.1	mg/Kg	☼	10/31/15 19:33	25
Methoxychlor	0.061	U	0.14	0.061	0.024	mg/Kg	☼	10/31/15 19:33	25
PCB-1016	1.9	U	2.8	1.9	0.92	mg/Kg	☼	10/31/15 19:33	25
PCB-1221	2.5	U	2.8	2.5	1.3	mg/Kg	☼	10/31/15 19:33	25
PCB-1232	1.1	U	2.8	1.1	0.44	mg/Kg	☼	10/31/15 19:33	25
PCB-1242	1.1	U	2.8	1.1	0.42	mg/Kg	☼	10/31/15 19:33	25

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1248	1.7	U	2.8	1.7	0.69	mg/Kg	☼	10/31/15 19:33	25
PCB-1254	2.5	U	2.8	2.5	0.84	mg/Kg	☼	10/31/15 19:33	25
PCB-1260	1.9	U	2.8	1.9	0.81	mg/Kg	☼	10/31/15 19:33	25
Toxaphene	1.1	U	14	1.1	0.46	mg/Kg	☼	10/31/15 19:33	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/23/15 11:50*	*10/31/15 19:33*	*25*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/23/15 11:50*	*10/31/15 19:33*	*25*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	770	380	140	ug/Kg	☼	11/10/15 17:53	10
Azinphos-ethyl	380	U	380	380	100	ug/Kg	☼	11/10/15 17:53	10
Azinphos-methyl	92	U	150	92	40	ug/Kg	☼	11/10/15 17:53	10
Bolstar	200	U	150	200	49	ug/Kg	☼	11/10/15 17:53	10
Chlorpyrifos	200	U	230	200	74	ug/Kg	☼	11/10/15 17:53	10
Coumaphos	92	U	150	92	32	ug/Kg	☼	11/10/15 17:53	10
Demeton-O	260	U	450	260	61	ug/Kg	☼	11/10/15 17:53	10
Demeton-S	120	U	170	120	56	ug/Kg	☼	11/10/15 17:53	10
Demeton, Total	200	U	450	200	87	ug/Kg	☼	11/10/15 17:53	10
Diazinon	200	U	250	200	84	ug/Kg	☼	11/10/15 17:53	10
Dichlorvos	200	U	260	200	85	ug/Kg	☼	11/10/15 17:53	10
Dimethoate	200	U	250	200	82	ug/Kg	☼	11/10/15 17:53	10
Disulfoton	200	U	550	200	89	ug/Kg	☼	11/10/15 17:53	10
EPN	92	U	150	92	42	ug/Kg	☼	11/10/15 17:53	10
Mocap	200	U	170	200	57	ug/Kg	☼	11/10/15 17:53	10
Ethyl Parathion	200	U	210	200	61	ug/Kg	☼	11/10/15 17:53	10
Famphur	92	U	150	92	37	ug/Kg	☼	11/10/15 17:53	10
Fensulfothion	200	U	290	200	94	ug/Kg	☼	11/10/15 17:53	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/10/15 17:53	10
Malathion	200	U	170	200	53	ug/Kg	☼	11/10/15 17:53	10
Merphos	200	U	350	200	59	ug/Kg	☼	11/10/15 17:53	10
Methyl parathion	200	U	230	200	73	ug/Kg	☼	11/10/15 17:53	10
Mevinphos	200	U	170	200	53	ug/Kg	☼	11/10/15 17:53	10
Phorate	200	U	230	200	66	ug/Kg	☼	11/10/15 17:53	10
Phosmet	770	U	770	770	220	ug/Kg	☼	11/10/15 17:53	10
Propazine	380	U	770	380	99	ug/Kg	☼	11/10/15 17:53	10
Ronnel	380	U	530	380	180	ug/Kg	☼	11/10/15 17:53	10
Simazine	770	U	770	770	250	ug/Kg	☼	11/10/15 17:53	10
Tetrachlorvinphos (Stirophos)	200	U	170	200	50	ug/Kg	☼	11/10/15 17:53	10
Sulfotepp	200	U	230	200	72	ug/Kg	☼	11/10/15 17:53	10
Thionazin	200	U	210	200	64	ug/Kg	☼	11/10/15 17:53	10
Tokuthion	92	U	230	92	45	ug/Kg	☼	11/10/15 17:53	10
Trichloronate	200	U	230	200	72	ug/Kg	☼	11/10/15 17:53	10
o,o',o''-Triethylphosphorothioate	200	U	450	200	90	ug/Kg	☼	11/10/15 17:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*120*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 17:53*	*10*

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7700	U	8100	7700	2600	ug/Kg	☼	11/09/15 21:55	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*84*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 21:55*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.029	U	0.048	0.029	0.029	mg/Kg	☼	10/24/15 19:40	5
Dalapon	0.046	U	0.58	0.046	0.017	mg/Kg	☼	10/24/15 19:40	5
2,4-DB	0.029	U Q	0.048	0.029	0.017	mg/Kg	☼	10/24/15 19:40	5
Dicamba	0.029	U	0.048	0.029	0.011	mg/Kg	☼	10/24/15 19:40	5
Dichlorprop	0.012	U	0.048	0.012	0.0064	mg/Kg	☼	10/24/15 19:40	5
Dinoseb	0.029	U	0.29	0.029	0.027	mg/Kg	☼	10/24/15 19:40	5
MCPA	2.8	U	12	2.8	1.1	mg/Kg	☼	10/24/15 19:40	5
MCPP	2.8	U	12	2.8	0.98	mg/Kg	☼	10/24/15 19:40	5
Pentachlorophenol	**0.0035**	**J D**	0.048	0.0058	0.0024	mg/Kg	☼	10/24/15 19:40	5
Silvex (2,4,5-TP)	0.029	U	0.048	0.029	0.0092	mg/Kg	☼	10/24/15 19:40	5
2,4,5-T	0.029	U	0.048	0.029	0.013	mg/Kg	☼	10/24/15 19:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*82*		*27 - 122*	*10/23/15 07:42*	*10/24/15 19:40*	*5*

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid
Percent Solids: 86.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.57	mg/Kg	☼	10/26/15 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*124*		*68 - 134*	*10/25/15 12:00*	*10/26/15 02:40*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	83	U	91	83	58	mg/Kg	☼	10/28/15 08:39	5
Oil Range Organics (C20-C36)	550	U	550	550	550	mg/Kg	☼	10/28/15 08:39	5
JP-4 Fuel	180	U	180	180	180	mg/Kg	☼	10/28/15 08:39	5
JP-5	91	U	91	91	91	mg/Kg	☼	10/28/15 08:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 08:39*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0066	U	0.030	0.0066	0.0027	mg/Kg	☼	10/30/15 17:02	5
alpha-BHC	0.0066	U	0.030	0.0066	0.0025	mg/Kg	☼	10/30/15 17:02	5
alpha-Chlordane	0.0066	U	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:02	5
beta-BHC	0.013	U	0.030	0.013	0.0059	mg/Kg	☼	10/30/15 17:02	5
Chlordane (technical)	0.12	U	0.30	0.12	0.052	mg/Kg	☼	10/30/15 17:02	5
Chlorobenzilate	1.0	U	1.8	1.0	0.43	mg/Kg	☼	10/30/15 17:02	5

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid
Percent Solids: 86.3

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.0066	U	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:02	5
4,4'-DDE	**0.0041**	**J D**	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:02	5
4,4'-DDT	0.0090	U	0.030	0.0090	0.0039	mg/Kg	☼	10/30/15 17:02	5
delta-BHC	0.0090	U	0.030	0.0090	0.0034	mg/Kg	☼	10/30/15 17:02	5
Dieldrin	0.0066	U	0.030	0.0066	0.0030	mg/Kg	☼	10/30/15 17:02	5
Endosulfan I	0.0066	U	0.030	0.0066	0.0030	mg/Kg	☼	10/30/15 17:02	5
Endosulfan II	0.0066	U	0.030	0.0066	0.0027	mg/Kg	☼	10/30/15 17:02	5
Endosulfan sulfate	0.0090	U	0.030	0.0090	0.0038	mg/Kg	☼	10/30/15 17:02	5
Endrin	0.0090	U	0.030	0.0090	0.0039	mg/Kg	☼	10/30/15 17:02	5
Endrin aldehyde	0.0090	U	0.030	0.0090	0.0039	mg/Kg	☼	10/30/15 17:02	5
Endrin ketone	0.0090	U	0.030	0.0090	0.0036	mg/Kg	☼	10/30/15 17:02	5
gamma-BHC (Lindane)	0.0066	U	0.030	0.0066	0.0025	mg/Kg	☼	10/30/15 17:02	5
gamma-Chlordane	0.0066	U	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:02	5
Heptachlor	0.0090	U	0.030	0.0090	0.0034	mg/Kg	☼	10/30/15 17:02	5
Heptachlor epoxide	0.0066	U	0.030	0.0066	0.0029	mg/Kg	☼	10/30/15 17:02	5
Isodrin	0.016	U	0.030	0.016	0.0061	mg/Kg	☼	10/30/15 17:02	5
Kepone	0.63	U	1.8	0.63	0.23	mg/Kg	☼	10/30/15 17:02	5
Methoxychlor	0.013	U	0.030	0.013	0.0050	mg/Kg	☼	10/30/15 17:02	5
PCB-1016	0.41	U	0.59	0.41	0.20	mg/Kg	☼	10/30/15 17:02	5
PCB-1221	0.54	U	0.59	0.54	0.27	mg/Kg	☼	10/30/15 17:02	5
PCB-1232	0.23	U	0.59	0.23	0.093	mg/Kg	☼	10/30/15 17:02	5
PCB-1242	0.23	U	0.59	0.23	0.090	mg/Kg	☼	10/30/15 17:02	5
PCB-1248	0.36	U	0.59	0.36	0.15	mg/Kg	☼	10/30/15 17:02	5
PCB-1254	0.54	U	0.59	0.54	0.18	mg/Kg	☼	10/30/15 17:02	5
PCB-1260	0.41	U	0.59	0.41	0.17	mg/Kg	☼	10/30/15 17:02	5
Toxaphene	0.23	U	3.0	0.23	0.099	mg/Kg	☼	10/30/15 17:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*44 - 129*	*10/23/15 11:50*	*10/30/15 17:02*	*5*
Tetrachloro-m-xylene	*71*		*46 - 130*	*10/23/15 11:50*	*10/30/15 17:02*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	770	380	140	ug/Kg	☼	11/10/15 20:18	10
Azinphos-ethyl	380	U	380	380	99	ug/Kg	☼	11/10/15 20:18	10
Azinphos-methyl	91	U	150	91	40	ug/Kg	☼	11/10/15 20:18	10
Bolstar	190	U	150	190	48	ug/Kg	☼	11/10/15 20:18	10
Chlorpyrifos	190	U	230	190	74	ug/Kg	☼	11/10/15 20:18	10
Coumaphos	91	U	150	91	32	ug/Kg	☼	11/10/15 20:18	10
Demeton-O	260	U	450	260	60	ug/Kg	☼	11/10/15 20:18	10
Demeton-S	110	U	170	110	56	ug/Kg	☼	11/10/15 20:18	10
Demeton, Total	190	U	450	190	86	ug/Kg	☼	11/10/15 20:18	10
Diazinon	190	U	250	190	83	ug/Kg	☼	11/10/15 20:18	10
Dichlorvos	190	U	260	190	85	ug/Kg	☼	11/10/15 20:18	10
Dimethoate	190	U	250	190	81	ug/Kg	☼	11/10/15 20:18	10
Disulfoton	190	U	550	190	88	ug/Kg	☼	11/10/15 20:18	10
EPN	91	U	150	91	42	ug/Kg	☼	11/10/15 20:18	10
Mocap	190	U	170	190	56	ug/Kg	☼	11/10/15 20:18	10
Ethyl Parathion	190	U	210	190	60	ug/Kg	☼	11/10/15 20:18	10
Famphur	91	U	150	91	37	ug/Kg	☼	11/10/15 20:18	10

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid
Percent Solids: 86.3

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	190	U	290	190	93	ug/Kg	☼	11/10/15 20:18	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/10/15 20:18	10
Malathion	190	U	170	190	53	ug/Kg	☼	11/10/15 20:18	10
Merphos	190	U	340	190	59	ug/Kg	☼	11/10/15 20:18	10
Methyl parathion	190	U	230	190	73	ug/Kg	☼	11/10/15 20:18	10
Mevinphos	190	U	170	190	53	ug/Kg	☼	11/10/15 20:18	10
Phorate	190	U	230	190	65	ug/Kg	☼	11/10/15 20:18	10
Phosmet	770	U	770	770	220	ug/Kg	☼	11/10/15 20:18	10
Propazine	380	U	770	380	99	ug/Kg	☼	11/10/15 20:18	10
Ronnel	380	U	530	380	170	ug/Kg	☼	11/10/15 20:18	10
Simazine	770	U	770	770	250	ug/Kg	☼	11/10/15 20:18	10
Tetrachlorvinphos (Stirophos)	190	U	170	190	50	ug/Kg	☼	11/10/15 20:18	10
Sulfotepp	190	U	230	190	72	ug/Kg	☼	11/10/15 20:18	10
Thionazin	190	U	210	190	64	ug/Kg	☼	11/10/15 20:18	10
Tokuthion	91	U	230	91	45	ug/Kg	☼	11/10/15 20:18	10
Trichloronate	190	U	230	190	71	ug/Kg	☼	11/10/15 20:18	10
o,o',o''-Triethylphosphorothioate	190	U	450	190	90	ug/Kg	☼	11/10/15 20:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*125*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 20:18*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7700	U	8000	7700	2600	ug/Kg	☼	11/09/15 22:24	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*88*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 22:24*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0058	U	0.0096	0.0058	0.0058	mg/Kg	☼	10/24/15 18:09	1
Dalapon	0.0092	U	0.12	0.0092	0.0033	mg/Kg	☼	10/24/15 18:09	1
2,4-DB	0.0058	U Q	0.0096	0.0058	0.0035	mg/Kg	☼	10/24/15 18:09	1
Dicamba	0.0058	U	0.0096	0.0058	0.0022	mg/Kg	☼	10/24/15 18:09	1
Dichlorprop	0.0023	U	0.0096	0.0023	0.0013	mg/Kg	☼	10/24/15 18:09	1
Dinoseb	0.0058	U	0.058	0.0058	0.0053	mg/Kg	☼	10/24/15 18:09	1
MCPA	0.55	U	2.3	0.55	0.22	mg/Kg	☼	10/24/15 18:09	1
MCPP	0.55	U	2.3	0.55	0.20	mg/Kg	☼	10/24/15 18:09	1
Pentachlorophenol	0.0012	U	0.0096	0.0012	0.00048	mg/Kg	☼	10/24/15 18:09	1
Silvex (2,4,5-TP)	0.0058	U	0.0096	0.0058	0.0018	mg/Kg	☼	10/24/15 18:09	1
2,4,5-T	0.0058	U	0.0096	0.0058	0.0027	mg/Kg	☼	10/24/15 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*72*		*27 - 122*	*10/23/15 07:42*	*10/24/15 18:09*	*1*

Client Sample ID: AOPSN301

Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46

Matrix: Solid
Percent Solids: 88.3

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.50	mg/Kg	☼	10/26/15 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*68 - 134*	*10/25/15 12:00*	*10/26/15 03:03*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	86	U	95	86	60	mg/Kg	☼	10/28/15 08:54	5
Oil Range Organics (C20-C36)	570	U	570	570	570	mg/Kg	☼	10/28/15 08:54	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/28/15 08:54	5
JP-5	95	U	95	95	95	mg/Kg	☼	10/28/15 08:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 08:54*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0061	U	0.028	0.0061	0.0025	mg/Kg	☼	10/30/15 17:18	5
alpha-BHC	0.0061	U	0.028	0.0061	0.0023	mg/Kg	☼	10/30/15 17:18	5
alpha-Chlordane	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 17:18	5
beta-BHC	0.012	U	0.028	0.012	0.0054	mg/Kg	☼	10/30/15 17:18	5
Chlordane (technical)	0.11	U	0.28	0.11	0.048	mg/Kg	☼	10/30/15 17:18	5
Chlorobenzilate	0.95	U	1.6	0.95	0.39	mg/Kg	☼	10/30/15 17:18	5
4,4'-DDD	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 17:18	5
4,4'-DDE	**0.019**	**J D**	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 17:18	5
4,4'-DDT	**0.025**	**J D**	0.028	0.0082	0.0036	mg/Kg	☼	10/30/15 17:18	5
delta-BHC	0.0082	U	0.028	0.0082	0.0031	mg/Kg	☼	10/30/15 17:18	5
Dieldrin	0.0061	U	0.028	0.0061	0.0028	mg/Kg	☼	10/30/15 17:18	5
Endosulfan I	0.0061	U	0.028	0.0061	0.0028	mg/Kg	☼	10/30/15 17:18	5
Endosulfan II	0.0061	U	0.028	0.0061	0.0025	mg/Kg	☼	10/30/15 17:18	5
Endosulfan sulfate	0.0082	U	0.028	0.0082	0.0035	mg/Kg	☼	10/30/15 17:18	5
Endrin	0.0082	U	0.028	0.0082	0.0036	mg/Kg	☼	10/30/15 17:18	5
Endrin aldehyde	0.0082	U	0.028	0.0082	0.0036	mg/Kg	☼	10/30/15 17:18	5
Endrin ketone	0.0082	U	0.028	0.0082	0.0033	mg/Kg	☼	10/30/15 17:18	5
gamma-BHC (Lindane)	0.0061	U	0.028	0.0061	0.0023	mg/Kg	☼	10/30/15 17:18	5
gamma-Chlordane	0.0061	U	0.028	0.0061	0.0030	mg/Kg	☼	10/30/15 17:18	5
Heptachlor	0.0082	U	0.028	0.0082	0.0031	mg/Kg	☼	10/30/15 17:18	5
Heptachlor epoxide	0.0061	U	0.028	0.0061	0.0026	mg/Kg	☼	10/30/15 17:18	5
Isodrin	0.015	U	0.028	0.015	0.0056	mg/Kg	☼	10/30/15 17:18	5
Kepone	0.58	U	1.6	0.58	0.21	mg/Kg	☼	10/30/15 17:18	5
Methoxychlor	0.012	U	0.028	0.012	0.0046	mg/Kg	☼	10/30/15 17:18	5
PCB-1016	0.38	U	0.54	0.38	0.18	mg/Kg	☼	10/30/15 17:18	5
PCB-1221	0.49	U	0.54	0.49	0.25	mg/Kg	☼	10/30/15 17:18	5
PCB-1232	0.21	U	0.54	0.21	0.085	mg/Kg	☼	10/30/15 17:18	5
PCB-1242	0.21	U	0.54	0.21	0.082	mg/Kg	☼	10/30/15 17:18	5
PCB-1248	0.33	U	0.54	0.33	0.13	mg/Kg	☼	10/30/15 17:18	5
PCB-1254	0.49	U	0.54	0.49	0.16	mg/Kg	☼	10/30/15 17:18	5
PCB-1260	0.38	U	0.54	0.38	0.16	mg/Kg	☼	10/30/15 17:18	5
Toxaphene	0.21	U	2.8	0.21	0.090	mg/Kg	☼	10/30/15 17:18	5

Client Sample ID: AOPSN301

Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46

Matrix: Solid
Percent Solids: 88.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		44 - 129	10/23/15 11:50	10/30/15 17:18	5
Tetrachloro-m-xylene	68		46 - 130	10/23/15 11:50	10/30/15 17:18	5

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U	700	350	130	ug/Kg	☼	11/10/15 20:48	10
Azinphos-ethyl	350	U	350	350	91	ug/Kg	☼	11/10/15 20:48	10
Azinphos-methyl	84	U	140	84	37	ug/Kg	☼	11/10/15 20:48	10
Bolstar	180	U	140	180	44	ug/Kg	☼	11/10/15 20:48	10
Chlorpyrifos	180	U	210	180	68	ug/Kg	☼	11/10/15 20:48	10
Coumaphos	84	U	140	84	29	ug/Kg	☼	11/10/15 20:48	10
Demeton-O	240	U	410	240	55	ug/Kg	☼	11/10/15 20:48	10
Demeton-S	100	U	160	100	51	ug/Kg	☼	11/10/15 20:48	10
Demeton, Total	180	U	410	180	79	ug/Kg	☼	11/10/15 20:48	10
Diazinon	180	U	230	180	76	ug/Kg	☼	11/10/15 20:48	10
Dichlorvos	180	U	240	180	77	ug/Kg	☼	11/10/15 20:48	10
Dimethoate	180	U	230	180	74	ug/Kg	☼	11/10/15 20:48	10
Disulfoton	180	U	500	180	81	ug/Kg	☼	11/10/15 20:48	10
EPN	84	U	140	84	38	ug/Kg	☼	11/10/15 20:48	10
Mocap	180	U	160	180	52	ug/Kg	☼	11/10/15 20:48	10
Ethyl Parathion	180	U	190	180	55	ug/Kg	☼	11/10/15 20:48	10
Famphur	84	U	140	84	34	ug/Kg	☼	11/10/15 20:48	10
Fensulfothion	180	U	260	180	85	ug/Kg	☼	11/10/15 20:48	10
Fenthion	350	U	350	350	91	ug/Kg	☼	11/10/15 20:48	10
Malathion	180	U	160	180	49	ug/Kg	☼	11/10/15 20:48	10
Merphos	180	U	310	180	54	ug/Kg	☼	11/10/15 20:48	10
Methyl parathion	180	U	210	180	67	ug/Kg	☼	11/10/15 20:48	10
Mevinphos	180	U	160	180	48	ug/Kg	☼	11/10/15 20:48	10
Phorate	180	U	210	180	60	ug/Kg	☼	11/10/15 20:48	10
Phosmet	700	U	700	700	200	ug/Kg	☼	11/10/15 20:48	10
Propazine	350	U	700	350	90	ug/Kg	☼	11/10/15 20:48	10
Ronnel	350	U	480	350	160	ug/Kg	☼	11/10/15 20:48	10
Simazine	700	U	700	700	230	ug/Kg	☼	11/10/15 20:48	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	46	ug/Kg	☼	11/10/15 20:48	10
Sulfotepp	180	U	210	180	65	ug/Kg	☼	11/10/15 20:48	10
Thionazin	180	U	190	180	58	ug/Kg	☼	11/10/15 20:48	10
Tokuthion	84	U	210	84	41	ug/Kg	☼	11/10/15 20:48	10
Trichloronate	180	U	210	180	65	ug/Kg	☼	11/10/15 20:48	10
o,o',o''-Triethylphosphorothioate	180	U	410	180	82	ug/Kg	☼	11/10/15 20:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	92	D	47 - 161	10/25/15 11:20	11/10/15 20:48	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7000	U	7300	7000	2400	ug/Kg	☼	11/09/15 22:53	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	87	D	47 - 161	10/25/15 11:20	11/09/15 22:53	100

Client Sample ID: AOPSN301

Lab Sample ID: 680-117942-46
Date Collected: 10/12/15 13:55
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 88.3

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0057	U	0.0094	0.0057	0.0057	mg/Kg	☼	10/24/15 18:27	1
Dalapon	0.0091	U	0.11	0.0091	0.0033	mg/Kg	☼	10/24/15 18:27	1
2,4-DB	0.0057	U Q	0.0094	0.0057	0.0034	mg/Kg	☼	10/24/15 18:27	1
Dicamba	0.0057	U	0.0094	0.0057	0.0022	mg/Kg	☼	10/24/15 18:27	1
Dichlorprop	0.0023	U	0.0094	0.0023	0.0012	mg/Kg	☼	10/24/15 18:27	1
Dinoseb	0.0057	U	0.057	0.0057	0.0052	mg/Kg	☼	10/24/15 18:27	1
MCPA	0.54	U	2.3	0.54	0.22	mg/Kg	☼	10/24/15 18:27	1
MCPP	0.54	U	2.3	0.54	0.19	mg/Kg	☼	10/24/15 18:27	1
Pentachlorophenol	0.0011	U	0.0094	0.0011	0.00048	mg/Kg	☼	10/24/15 18:27	1
Silvex (2,4,5-TP)	0.0057	U	0.0094	0.0057	0.0018	mg/Kg	☼	10/24/15 18:27	1
2,4,5-T	0.0057	U	0.0094	0.0057	0.0026	mg/Kg	☼	10/24/15 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*74*		*27 - 122*	*10/23/15 07:42*	*10/24/15 18:27*	*1*

Client Sample ID: AOPSM401

Lab Sample ID: 680-117942-47
Date Collected: 10/12/15 13:35
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 84.8

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.57	mg/Kg	☼	10/26/15 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*68 - 134*	*10/25/15 12:00*	*10/26/15 03:26*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	90	U	99	90	63	mg/Kg	☼	10/28/15 09:09	5
Oil Range Organics (C20-C36)	600	U	600	600	600	mg/Kg	☼	10/28/15 09:09	5
JP-4 Fuel	200	U	200	200	200	mg/Kg	☼	10/28/15 09:09	5
JP-5	99	U	99	99	99	mg/Kg	☼	10/28/15 09:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 09:09*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0066	U	0.030	0.0066	0.0027	mg/Kg	☼	10/30/15 17:33	5
alpha-BHC	0.0066	U	0.030	0.0066	0.0025	mg/Kg	☼	10/30/15 17:33	5
alpha-Chlordane	0.0066	U	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:33	5
beta-BHC	0.013	U	0.030	0.013	0.0059	mg/Kg	☼	10/30/15 17:33	5
Chlordane (technical)	0.12	U	0.30	0.12	0.052	mg/Kg	☼	10/30/15 17:33	5
Chlorobenzilate	1.0	U	1.8	1.0	0.43	mg/Kg	☼	10/30/15 17:33	5
4,4'-DDD	0.0066	U	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:33	5
4,4'-DDE	**0.0038**	**J D**	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:33	5
4,4'-DDT	**0.0051**	**J D**	0.030	0.0089	0.0039	mg/Kg	☼	10/30/15 17:33	5
delta-BHC	0.0089	U	0.030	0.0089	0.0034	mg/Kg	☼	10/30/15 17:33	5
Dieldrin	0.0066	U	0.030	0.0066	0.0030	mg/Kg	☼	10/30/15 17:33	5
Endosulfan I	0.0066	U	0.030	0.0066	0.0030	mg/Kg	☼	10/30/15 17:33	5
Endosulfan II	0.0066	U	0.030	0.0066	0.0027	mg/Kg	☼	10/30/15 17:33	5

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.0089	U	0.030	0.0089	0.0038	mg/Kg	☼	10/30/15 17:33	5
Endrin	0.0089	U	0.030	0.0089	0.0039	mg/Kg	☼	10/30/15 17:33	5
Endrin aldehyde	0.0089	U	0.030	0.0089	0.0039	mg/Kg	☼	10/30/15 17:33	5
Endrin ketone	0.0089	U	0.030	0.0089	0.0036	mg/Kg	☼	10/30/15 17:33	5
gamma-BHC (Lindane)	0.0066	U	0.030	0.0066	0.0025	mg/Kg	☼	10/30/15 17:33	5
gamma-Chlordane	0.0066	U	0.030	0.0066	0.0032	mg/Kg	☼	10/30/15 17:33	5
Heptachlor	0.0089	U	0.030	0.0089	0.0034	mg/Kg	☼	10/30/15 17:33	5
Heptachlor epoxide	0.0066	U	0.030	0.0066	0.0029	mg/Kg	☼	10/30/15 17:33	5
Isodrin	0.016	U	0.030	0.016	0.0061	mg/Kg	☼	10/30/15 17:33	5
Kepone	0.63	U	1.8	0.63	0.23	mg/Kg	☼	10/30/15 17:33	5
Methoxychlor	0.013	U	0.030	0.013	0.0050	mg/Kg	☼	10/30/15 17:33	5
PCB-1016	0.41	U	0.59	0.41	0.20	mg/Kg	☼	10/30/15 17:33	5
PCB-1221	0.54	U	0.59	0.54	0.27	mg/Kg	☼	10/30/15 17:33	5
PCB-1232	0.23	U	0.59	0.23	0.093	mg/Kg	☼	10/30/15 17:33	5
PCB-1242	0.23	U	0.59	0.23	0.089	mg/Kg	☼	10/30/15 17:33	5
PCB-1248	0.36	U	0.59	0.36	0.15	mg/Kg	☼	10/30/15 17:33	5
PCB-1254	0.54	U	0.59	0.54	0.18	mg/Kg	☼	10/30/15 17:33	5
PCB-1260	0.41	U	0.59	0.41	0.17	mg/Kg	☼	10/30/15 17:33	5
Toxaphene	0.23	U	3.0	0.23	0.098	mg/Kg	☼	10/30/15 17:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*44 - 129*	*10/23/15 11:50*	*10/30/15 17:33*	*5*
Tetrachloro-m-xylene	*81*		*46 - 130*	*10/23/15 11:50*	*10/30/15 17:33*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	770	380	140	ug/Kg	☼	11/06/15 04:11	10
Azinphos-ethyl	380	U	380	380	100	ug/Kg	☼	11/06/15 04:11	10
Azinphos-methyl	92	U	150	92	40	ug/Kg	☼	11/06/15 04:11	10
Bolstar	200	U	150	200	49	ug/Kg	☼	11/06/15 04:11	10
Chlorpyrifos	200	U	230	200	75	ug/Kg	☼	11/06/15 04:11	10
Coumaphos	92	U	150	92	32	ug/Kg	☼	11/06/15 04:11	10
Demeton-O	270	U	450	270	61	ug/Kg	☼	11/06/15 04:11	10
Demeton-S	120	U	170	120	56	ug/Kg	☼	11/06/15 04:11	10
Demeton, Total	200	U	450	200	87	ug/Kg	☼	11/06/15 04:11	10
Diazinon	200	U	250	200	84	ug/Kg	☼	11/06/15 04:11	10
Dichlorvos	200	U Q	270	200	86	ug/Kg	☼	11/06/15 04:11	10
Dimethoate	200	U	250	200	82	ug/Kg	☼	11/06/15 04:11	10
Disulfoton	200	U	550	200	89	ug/Kg	☼	11/06/15 04:11	10
EPN	92	U	150	92	43	ug/Kg	☼	11/06/15 04:11	10
Mocap	200	U	170	200	57	ug/Kg	☼	11/06/15 04:11	10
Ethyl Parathion	200	U	210	200	61	ug/Kg	☼	11/06/15 04:11	10
Famphur	92	U	150	92	37	ug/Kg	☼	11/06/15 04:11	10
Fensulfothion	200	U	290	200	94	ug/Kg	☼	11/06/15 04:11	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/06/15 04:11	10
Malathion	200	U	170	200	54	ug/Kg	☼	11/06/15 04:11	10
Merphos	200	U	350	200	59	ug/Kg	☼	11/06/15 04:11	10
Methyl parathion	200	U	230	200	74	ug/Kg	☼	11/06/15 04:11	10
Mevinphos	200	U	170	200	53	ug/Kg	☼	11/06/15 04:11	10
Phorate	200	U	230	200	66	ug/Kg	☼	11/06/15 04:11	10

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phosmet	770	U	770	770	220	ug/Kg	☼	11/06/15 04:11	10
Propazine	380	U	770	380	100	ug/Kg	☼	11/06/15 04:11	10
Ronnel	380	U	530	380	180	ug/Kg	☼	11/06/15 04:11	10
Simazine	770	U	770	770	260	ug/Kg	☼	11/06/15 04:11	10
Tetrachlorvinphos (Stirophos)	200	U	170	200	50	ug/Kg	☼	11/06/15 04:11	10
Sulfotepp	200	U	230	200	72	ug/Kg	☼	11/06/15 04:11	10
Thionazin	200	U	210	200	64	ug/Kg	☼	11/06/15 04:11	10
Tokuthion	92	U	230	92	45	ug/Kg	☼	11/06/15 04:11	10
Trichloronate	200	U	230	200	72	ug/Kg	☼	11/06/15 04:11	10
o,o',o''-Triethylphosphorothioate	200	U	450	200	91	ug/Kg	☼	11/06/15 04:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*129*	*D*	*47 - 161*	*10/26/15 18:52*	*11/06/15 04:11*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7700	U	8100	7700	2600	ug/Kg	☼	11/05/15 19:27	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*119*	*D*	*47 - 161*	*10/26/15 18:52*	*11/05/15 19:27*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.029	U	0.049	0.029	0.029	mg/Kg	☼	10/24/15 19:58	5
Dalapon	0.047	U	0.59	0.047	0.017	mg/Kg	☼	10/24/15 19:58	5
2,4-DB	0.029	U Q	0.049	0.029	0.018	mg/Kg	☼	10/24/15 19:58	5
Dicamba	0.029	U	0.049	0.029	0.011	mg/Kg	☼	10/24/15 19:58	5
Dichlorprop	0.012	U	0.049	0.012	0.0065	mg/Kg	☼	10/24/15 19:58	5
Dinoseb	0.029	U	0.29	0.029	0.027	mg/Kg	☼	10/24/15 19:58	5
MCPA	2.8	U	12	2.8	1.1	mg/Kg	☼	10/24/15 19:58	5
MCPP	2.8	U	12	2.8	1.0	mg/Kg	☼	10/24/15 19:58	5
Pentachlorophenol	0.0059	U	0.049	0.0059	0.0025	mg/Kg	☼	10/24/15 19:58	5
Silvex (2,4,5-TP)	0.029	U	0.049	0.029	0.0094	mg/Kg	☼	10/24/15 19:58	5
2,4,5-T	0.029	U	0.049	0.029	0.014	mg/Kg	☼	10/24/15 19:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*75*		*27 - 122*	*10/23/15 07:42*	*10/24/15 19:58*	*5*

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.5	U	1.5	1.5	0.61	mg/Kg	☼	10/26/15 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*132*		*68 - 134*	*10/25/15 12:00*	*10/26/15 03:50*	*1*

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	200	U	220	200	140	mg/Kg	☼	10/28/15 09:23	10
Oil Range Organics (C20-C36)	1400	U	1400	1400	1400	mg/Kg	☼	10/28/15 09:23	10
JP-4 Fuel	450	U	450	450	450	mg/Kg	☼	10/28/15 09:23	10
JP-5	220	U	220	220	220	mg/Kg	☼	10/28/15 09:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 09:23*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.016	U	0.072	0.016	0.0063	mg/Kg	☼	10/30/15 17:48	10
alpha-BHC	0.016	U	0.072	0.016	0.0059	mg/Kg	☼	10/30/15 17:48	10
alpha-Chlordane	0.016	U	0.072	0.016	0.0076	mg/Kg	☼	10/30/15 17:48	10
beta-BHC	0.031	U	0.072	0.031	0.014	mg/Kg	☼	10/30/15 17:48	10
Chlordane (technical)	0.28	U	0.72	0.28	0.12	mg/Kg	☼	10/30/15 17:48	10
Chlorobenzilate	2.4	U	4.2	2.4	1.0	mg/Kg	☼	10/30/15 17:48	10
4,4'-DDD	0.016	U	0.072	0.016	0.0076	mg/Kg	☼	10/30/15 17:48	10
4,4'-DDE	**0.0098**	**J D**	0.072	0.016	0.0076	mg/Kg	☼	10/30/15 17:48	10
4,4'-DDT	0.021	U	0.072	0.021	0.0093	mg/Kg	☼	10/30/15 17:48	10
delta-BHC	0.021	U	0.072	0.021	0.0080	mg/Kg	☼	10/30/15 17:48	10
Dieldrin	0.016	U	0.072	0.016	0.0072	mg/Kg	☼	10/30/15 17:48	10
Endosulfan I	0.016	U	0.072	0.016	0.0072	mg/Kg	☼	10/30/15 17:48	10
Endosulfan II	0.016	U	0.072	0.016	0.0063	mg/Kg	☼	10/30/15 17:48	10
Endosulfan sulfate	0.021	U	0.072	0.021	0.0088	mg/Kg	☼	10/30/15 17:48	10
Endrin	0.021	U	0.072	0.021	0.0093	mg/Kg	☼	10/30/15 17:48	10
Endrin aldehyde	0.021	U	0.072	0.021	0.0093	mg/Kg	☼	10/30/15 17:48	10
Endrin ketone	0.021	U	0.072	0.021	0.0084	mg/Kg	☼	10/30/15 17:48	10
gamma-BHC (Lindane)	0.016	U	0.072	0.016	0.0059	mg/Kg	☼	10/30/15 17:48	10
gamma-Chlordane	0.016	U	0.072	0.016	0.0076	mg/Kg	☼	10/30/15 17:48	10
Heptachlor	0.021	U	0.072	0.021	0.0080	mg/Kg	☼	10/30/15 17:48	10
Heptachlor epoxide	0.016	U	0.072	0.016	0.0067	mg/Kg	☼	10/30/15 17:48	10
Isodrin	0.039	U	0.072	0.039	0.014	mg/Kg	☼	10/30/15 17:48	10
Kepone	1.5	U	4.2	1.5	0.55	mg/Kg	☼	10/30/15 17:48	10
Methoxychlor	0.031	U	0.072	0.031	0.012	mg/Kg	☼	10/30/15 17:48	10
PCB-1016	0.97	U	1.4	0.97	0.46	mg/Kg	☼	10/30/15 17:48	10
PCB-1221	1.3	U	1.4	1.3	0.63	mg/Kg	☼	10/30/15 17:48	10
PCB-1232	0.55	U	1.4	0.55	0.22	mg/Kg	☼	10/30/15 17:48	10
PCB-1242	0.55	U	1.4	0.55	0.21	mg/Kg	☼	10/30/15 17:48	10
PCB-1248	0.84	U	1.4	0.84	0.34	mg/Kg	☼	10/30/15 17:48	10
PCB-1254	1.3	U	1.4	1.3	0.42	mg/Kg	☼	10/30/15 17:48	10
PCB-1260	0.97	U	1.4	0.97	0.40	mg/Kg	☼	10/30/15 17:48	10
Toxaphene	0.55	U	7.2	0.55	0.23	mg/Kg	☼	10/30/15 17:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/23/15 11:50*	*10/30/15 17:48*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/23/15 11:50*	*10/30/15 17:48*	*10*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	440	U	890	440	160	ug/Kg	☼	11/11/15 13:16	10

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Azinphos-ethyl	440	U	440	440	110	ug/Kg	☼	11/11/15 13:16	10
Azinphos-methyl	110	U	170	110	46	ug/Kg	☼	11/11/15 13:16	10
Bolstar	220	U	170	220	56	ug/Kg	☼	11/11/15 13:16	10
Chlorpyrifos	220	U	260	220	85	ug/Kg	☼	11/11/15 13:16	10
Coumaphos	110	U	170	110	37	ug/Kg	☼	11/11/15 13:16	10
Demeton-O	300	U	520	300	70	ug/Kg	☼	11/11/15 13:16	10
Demeton-S	130	U	200	130	64	ug/Kg	☼	11/11/15 13:16	10
Demeton, Total	220	U	520	220	99	ug/Kg	☼	11/11/15 13:16	10
Diazinon	220	U	290	220	96	ug/Kg	☼	11/11/15 13:16	10
Dichlorvos	220	U	300	220	98	ug/Kg	☼	11/11/15 13:16	10
Dimethoate	220	U	290	220	94	ug/Kg	☼	11/11/15 13:16	10
Disulfoton	220	U	640	220	100	ug/Kg	☼	11/11/15 13:16	10
EPN	110	U	170	110	49	ug/Kg	☼	11/11/15 13:16	10
Mocap	220	U	200	220	65	ug/Kg	☼	11/11/15 13:16	10
Ethyl Parathion	220	U	240	220	70	ug/Kg	☼	11/11/15 13:16	10
Famphur	110	U	170	110	43	ug/Kg	☼	11/11/15 13:16	10
Fensulfothion	220	U	330	220	110	ug/Kg	☼	11/11/15 13:16	10
Fenthion	440	U	440	440	120	ug/Kg	☼	11/11/15 13:16	10
Malathion	220	U	200	220	61	ug/Kg	☼	11/11/15 13:16	10
Merphos	220	U	400	220	68	ug/Kg	☼	11/11/15 13:16	10
Methyl parathion	220	U	260	220	84	ug/Kg	☼	11/11/15 13:16	10
Mevinphos	220	U	200	220	61	ug/Kg	☼	11/11/15 13:16	10
Phorate	220	U	260	220	75	ug/Kg	☼	11/11/15 13:16	10
Phosmet	890	U	890	890	260	ug/Kg	☼	11/11/15 13:16	10
Propazine	440	U	890	440	110	ug/Kg	☼	11/11/15 13:16	10
Ronnel	440	U	610	440	200	ug/Kg	☼	11/11/15 13:16	10
Simazine	890	U	890	890	290	ug/Kg	☼	11/11/15 13:16	10
Tetrachlorvinphos (Stirophos)	220	U	200	220	58	ug/Kg	☼	11/11/15 13:16	10
Sulfotepp	220	U	260	220	83	ug/Kg	☼	11/11/15 13:16	10
Thionazin	220	U	240	220	74	ug/Kg	☼	11/11/15 13:16	10
Tokuthion	110	U	260	110	52	ug/Kg	☼	11/11/15 13:16	10
Trichloronate	220	U	260	220	83	ug/Kg	☼	11/11/15 13:16	10
o,o',o''-Triethylphosphorothioate	220	U	520	220	100	ug/Kg	☼	11/11/15 13:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*109*	*D*	*47 - 161*	*10/25/15 11:20*	*11/11/15 13:16*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8900	U	9300	8900	3000	ug/Kg	☼	11/09/15 23:22	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*102*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 23:22*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.068	U	0.11	0.068	0.068	mg/Kg	☼	10/24/15 23:36	10
Dalapon	0.11	U	1.4	0.11	0.039	mg/Kg	☼	10/24/15 23:36	10
2,4-DB	0.068	U Q	0.11	0.068	0.041	mg/Kg	☼	10/24/15 23:36	10
Dicamba	0.068	U	0.11	0.068	0.026	mg/Kg	☼	10/24/15 23:36	10

Client Sample ID: AOPSN401

Lab Sample ID: 680-117942-48
Date Collected: 10/12/15 13:35
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 73.4

Method: 8151A DOD - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dichlorprop	0.027	U	0.11	0.027	0.015	mg/Kg	☼	10/24/15 23:36	10
Dinoseb	0.068	U	0.68	0.068	0.062	mg/Kg	☼	10/24/15 23:36	10
MCPA	6.5	U	27	6.5	2.6	mg/Kg	☼	10/24/15 23:36	10
MCPP	6.5	U	27	6.5	2.3	mg/Kg	☼	10/24/15 23:36	10
Pentachlorophenol	0.014	U	0.11	0.014	0.0057	mg/Kg	☼	10/24/15 23:36	10
Silvex (2,4,5-TP)	0.068	U	0.11	0.068	0.022	mg/Kg	☼	10/24/15 23:36	10
2,4,5-T	0.068	U	0.11	0.068	0.031	mg/Kg	☼	10/24/15 23:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/23/15 07:42*	*10/24/15 23:36*	*10*

Client Sample ID: AOPSM501

Lab Sample ID: 680-117942-49
Date Collected: 10/12/15 13:35
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 88.4

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.54	mg/Kg	☼	10/26/15 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*133*		*68 - 134*	*10/25/15 12:00*	*10/26/15 04:13*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	88	U	96	88	61	mg/Kg	☼	10/28/15 09:38	5
Oil Range Organics (C20-C36)	580	U	580	580	580	mg/Kg	☼	10/28/15 09:38	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/28/15 09:38	5
JP-5	96	U	96	96	96	mg/Kg	☼	10/28/15 09:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 09:38*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0064	U	0.030	0.0064	0.0026	mg/Kg	☼	10/30/15 18:04	5
alpha-BHC	0.0064	U	0.030	0.0064	0.0024	mg/Kg	☼	10/30/15 18:04	5
alpha-Chlordane	0.0064	U	0.030	0.0064	0.0031	mg/Kg	☼	10/30/15 18:04	5
beta-BHC	0.013	U	0.030	0.013	0.0057	mg/Kg	☼	10/30/15 18:04	5
Chlordane (technical)	0.12	U	0.30	0.12	0.050	mg/Kg	☼	10/30/15 18:04	5
Chlorobenzilate	1.0	U	1.7	1.0	0.42	mg/Kg	☼	10/30/15 18:04	5
4,4'-DDD	0.0064	U	0.030	0.0064	0.0031	mg/Kg	☼	10/30/15 18:04	5
4,4'-DDE	**0.0071**	**J D**	0.030	0.0064	0.0031	mg/Kg	☼	10/30/15 18:04	5
4,4'-DDT	**0.0079**	**J D**	0.030	0.0087	0.0038	mg/Kg	☼	10/30/15 18:04	5
delta-BHC	0.0087	U	0.030	0.0087	0.0033	mg/Kg	☼	10/30/15 18:04	5
Dieldrin	0.0064	U	0.030	0.0064	0.0030	mg/Kg	☼	10/30/15 18:04	5
Endosulfan I	0.0064	U	0.030	0.0064	0.0030	mg/Kg	☼	10/30/15 18:04	5
Endosulfan II	0.0064	U	0.030	0.0064	0.0026	mg/Kg	☼	10/30/15 18:04	5
Endosulfan sulfate	0.0087	U	0.030	0.0087	0.0037	mg/Kg	☼	10/30/15 18:04	5
Endrin	0.0087	U	0.030	0.0087	0.0038	mg/Kg	☼	10/30/15 18:04	5
Endrin aldehyde	0.0087	U	0.030	0.0087	0.0038	mg/Kg	☼	10/30/15 18:04	5
Endrin ketone	0.0087	U	0.030	0.0087	0.0035	mg/Kg	☼	10/30/15 18:04	5

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid
Percent Solids: 88.4

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0064	U	0.030	0.0064	0.0024	mg/Kg	☼	10/30/15 18:04	5
gamma-Chlordane	0.0064	U	0.030	0.0064	0.0031	mg/Kg	☼	10/30/15 18:04	5
Heptachlor	0.0087	U	0.030	0.0087	0.0033	mg/Kg	☼	10/30/15 18:04	5
Heptachlor epoxide	0.0064	U	0.030	0.0064	0.0028	mg/Kg	☼	10/30/15 18:04	5
Isodrin	0.016	U	0.030	0.016	0.0059	mg/Kg	☼	10/30/15 18:04	5
Kepone	0.61	U	1.7	0.61	0.23	mg/Kg	☼	10/30/15 18:04	5
Methoxychlor	0.013	U	0.030	0.013	0.0049	mg/Kg	☼	10/30/15 18:04	5
PCB-1016	0.40	U	0.57	0.40	0.19	mg/Kg	☼	10/30/15 18:04	5
PCB-1221	0.52	U	0.57	0.52	0.26	mg/Kg	☼	10/30/15 18:04	5
PCB-1232	0.23	U	0.57	0.23	0.090	mg/Kg	☼	10/30/15 18:04	5
PCB-1242	0.23	U	0.57	0.23	0.087	mg/Kg	☼	10/30/15 18:04	5
PCB-1248	0.35	U	0.57	0.35	0.14	mg/Kg	☼	10/30/15 18:04	5
PCB-1254	0.52	U	0.57	0.52	0.17	mg/Kg	☼	10/30/15 18:04	5
PCB-1260	0.40	U	0.57	0.40	0.17	mg/Kg	☼	10/30/15 18:04	5
Toxaphene	0.23	U	3.0	0.23	0.096	mg/Kg	☼	10/30/15 18:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*44 - 129*	*10/23/15 11:50*	*10/30/15 18:04*	*5*
Tetrachloro-m-xylene	*75*		*46 - 130*	*10/23/15 11:50*	*10/30/15 18:04*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	370	U	760	370	140	ug/Kg	☼	11/10/15 21:48	10
Azinphos-ethyl	370	U	370	370	98	ug/Kg	☼	11/10/15 21:48	10
Azinphos-methyl	90	U	150	90	39	ug/Kg	☼	11/10/15 21:48	10
Bolstar	190	U	150	190	48	ug/Kg	☼	11/10/15 21:48	10
Chlorpyrifos	190	U	230	190	73	ug/Kg	☼	11/10/15 21:48	10
Coumaphos	90	U	150	90	32	ug/Kg	☼	11/10/15 21:48	10
Demeton-O	260	U	440	260	60	ug/Kg	☼	11/10/15 21:48	10
Demeton-S	110	U	170	110	55	ug/Kg	☼	11/10/15 21:48	10
Demeton, Total	190	U	440	190	85	ug/Kg	☼	11/10/15 21:48	10
Diazinon	190	U	250	190	82	ug/Kg	☼	11/10/15 21:48	10
Dichlorvos	190	U	260	190	83	ug/Kg	☼	11/10/15 21:48	10
Dimethoate	190	U	250	190	80	ug/Kg	☼	11/10/15 21:48	10
Disulfoton	190	U	540	190	87	ug/Kg	☼	11/10/15 21:48	10
EPN	90	U	150	90	42	ug/Kg	☼	11/10/15 21:48	10
Mocap	190	U	170	190	56	ug/Kg	☼	11/10/15 21:48	10
Ethyl Parathion	190	U	200	190	60	ug/Kg	☼	11/10/15 21:48	10
Famphur	90	U	150	90	36	ug/Kg	☼	11/10/15 21:48	10
Fensulfothion	190	U	280	190	92	ug/Kg	☼	11/10/15 21:48	10
Fenthion	370	U	370	370	99	ug/Kg	☼	11/10/15 21:48	10
Malathion	190	U	170	190	52	ug/Kg	☼	11/10/15 21:48	10
Merphos	190	U	340	190	58	ug/Kg	☼	11/10/15 21:48	10
Methyl parathion	190	U	230	190	72	ug/Kg	☼	11/10/15 21:48	10
Mevinphos	190	U	170	190	52	ug/Kg	☼	11/10/15 21:48	10
Phorate	190	U	230	190	64	ug/Kg	☼	11/10/15 21:48	10
Phosmet	760	U	760	760	220	ug/Kg	☼	11/10/15 21:48	10
Propazine	370	U	760	370	97	ug/Kg	☼	11/10/15 21:48	10
Ronnel	370	U	520	370	170	ug/Kg	☼	11/10/15 21:48	10
Simazine	760	U	760	760	250	ug/Kg	☼	11/10/15 21:48	10

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid
Percent Solids: 88.4

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Tetrachlorvinphos (Stirophos)	190	U	170	190	49	ug/Kg	☼	11/10/15 21:48	10
Sulfotepp	190	U	230	190	71	ug/Kg	☼	11/10/15 21:48	10
Thionazin	190	U	200	190	63	ug/Kg	☼	11/10/15 21:48	10
Tokuthion	90	U	230	90	44	ug/Kg	☼	11/10/15 21:48	10
Trichloronate	190	U	230	190	70	ug/Kg	☼	11/10/15 21:48	10
o,o',o''-Triethylphosphorothioate	190	U	440	190	89	ug/Kg	☼	11/10/15 21:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*65*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 21:48*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7600	U	7900	7600	2500	ug/Kg	☼	11/09/15 23:52	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*59*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 23:52*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.028	U	0.047	0.028	0.028	mg/Kg	☼	10/24/15 20:16	5
Dalapon	0.045	U	0.56	0.045	0.016	mg/Kg	☼	10/24/15 20:16	5
2,4-DB	0.028	U Q	0.047	0.028	0.017	mg/Kg	☼	10/24/15 20:16	5
Dicamba	0.028	U	0.047	0.028	0.011	mg/Kg	☼	10/24/15 20:16	5
Dichlorprop	0.011	U	0.047	0.011	0.0062	mg/Kg	☼	10/24/15 20:16	5
Dinoseb	0.028	U	0.28	0.028	0.026	mg/Kg	☼	10/24/15 20:16	5
MCPA	2.7	U	11	2.7	1.1	mg/Kg	☼	10/24/15 20:16	5
MCPP	2.7	U	11	2.7	0.96	mg/Kg	☼	10/24/15 20:16	5
Pentachlorophenol	0.0056	U	0.047	0.0056	0.0024	mg/Kg	☼	10/24/15 20:16	5
Silvex (2,4,5-TP)	0.028	U	0.047	0.028	0.0090	mg/Kg	☼	10/24/15 20:16	5
2,4,5-T	0.028	U	0.047	0.028	0.013	mg/Kg	☼	10/24/15 20:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*79*		*27 - 122*	*10/23/15 07:42*	*10/24/15 20:16*	*5*

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.1	U	1.1	1.1	0.46	mg/Kg	☼	10/26/15 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*135*	*Q*	*68 - 134*	*10/25/15 12:00*	*10/26/15 04:37*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	150	U	170	150	110	mg/Kg	☼	10/28/15 09:53	10
Oil Range Organics (C20-C36)	1000	U	1000	1000	1000	mg/Kg	☼	10/28/15 09:53	10
JP-4 Fuel	340	U	340	340	340	mg/Kg	☼	10/28/15 09:53	10
JP-5	170	U	170	170	170	mg/Kg	☼	10/28/15 09:53	10

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 09:53*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.011	U	0.051	0.011	0.0045	mg/Kg	☼	10/30/15 21:38	10
alpha-BHC	0.011	U	0.051	0.011	0.0042	mg/Kg	☼	10/30/15 21:38	10
alpha-Chlordane	0.011	U	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 21:38	10
beta-BHC	0.022	U	0.051	0.022	0.0098	mg/Kg	☼	10/30/15 21:38	10
Chlordane (technical)	0.20	U	0.51	0.20	0.086	mg/Kg	☼	10/30/15 21:38	10
Chlorobenzilate	1.7	U Q	3.0	1.7	0.71	mg/Kg	☼	10/30/15 21:38	10
4,4'-DDD	0.011	U	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 21:38	10
4,4'-DDE	**0.0071**	**J D**	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 21:38	10
4,4'-DDT	**0.0072**	**J D**	0.051	0.015	0.0066	mg/Kg	☼	10/30/15 21:38	10
delta-BHC	0.015	U	0.051	0.015	0.0057	mg/Kg	☼	10/30/15 21:38	10
Dieldrin	0.011	U	0.051	0.011	0.0051	mg/Kg	☼	10/30/15 21:38	10
Endosulfan I	0.011	U	0.051	0.011	0.0051	mg/Kg	☼	10/30/15 21:38	10
Endosulfan II	0.011	U	0.051	0.011	0.0045	mg/Kg	☼	10/30/15 21:38	10
Endosulfan sulfate	0.015	U	0.051	0.015	0.0063	mg/Kg	☼	10/30/15 21:38	10
Endrin	0.015	U	0.051	0.015	0.0066	mg/Kg	☼	10/30/15 21:38	10
Endrin aldehyde	0.015	U	0.051	0.015	0.0066	mg/Kg	☼	10/30/15 21:38	10
Endrin ketone	0.015	U	0.051	0.015	0.0060	mg/Kg	☼	10/30/15 21:38	10
gamma-BHC (Lindane)	0.011	U	0.051	0.011	0.0042	mg/Kg	☼	10/30/15 21:38	10
gamma-Chlordane	0.011	U	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 21:38	10
Heptachlor	0.015	U	0.051	0.015	0.0057	mg/Kg	☼	10/30/15 21:38	10
Heptachlor epoxide	0.011	U	0.051	0.011	0.0048	mg/Kg	☼	10/30/15 21:38	10
Isodrin	0.027	U	0.051	0.027	0.010	mg/Kg	☼	10/30/15 21:38	10
Kepone	1.0	U Q	3.0	1.0	0.39	mg/Kg	☼	10/30/15 21:38	10
Methoxychlor	0.022	U	0.051	0.022	0.0083	mg/Kg	☼	10/30/15 21:38	10
PCB-1016	0.69	U	0.98	0.69	0.33	mg/Kg	☼	10/30/15 21:38	10
PCB-1221	0.89	U	0.98	0.89	0.45	mg/Kg	☼	10/30/15 21:38	10
PCB-1232	0.39	U	0.98	0.39	0.15	mg/Kg	☼	10/30/15 21:38	10
PCB-1242	0.39	U	0.98	0.39	0.15	mg/Kg	☼	10/30/15 21:38	10
PCB-1248	0.60	U	0.98	0.60	0.24	mg/Kg	☼	10/30/15 21:38	10
PCB-1254	0.89	U	0.98	0.89	0.30	mg/Kg	☼	10/30/15 21:38	10
PCB-1260	0.69	U	0.98	0.69	0.29	mg/Kg	☼	10/30/15 21:38	10
Toxaphene	0.39	U	5.1	0.39	0.16	mg/Kg	☼	10/30/15 21:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/23/15 11:50*	*10/30/15 21:38*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/23/15 11:50*	*10/30/15 21:38*	*10*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U	660	330	120	ug/Kg	☼	11/10/15 18:46	10
Azinphos-ethyl	330	U	330	330	85	ug/Kg	☼	11/10/15 18:46	10
Azinphos-methyl	79	U	130	79	34	ug/Kg	☼	11/10/15 18:46	10
Bolstar	170	U	130	170	42	ug/Kg	☼	11/10/15 18:46	10
Chlorpyrifos	170	U	200	170	64	ug/Kg	☼	11/10/15 18:46	10
Coumaphos	79	U	130	79	28	ug/Kg	☼	11/10/15 18:46	10
Demeton-O	230	U	380	230	52	ug/Kg	☼	11/10/15 18:46	10
Demeton-S	99	U	150	99	48	ug/Kg	☼	11/10/15 18:46	10

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Demeton, Total	170	U	380	170	74	ug/Kg	☼	11/10/15 18:46	10
Diazinon	170	U	220	170	72	ug/Kg	☼	11/10/15 18:46	10
Dichlorvos	170	U	230	170	73	ug/Kg	☼	11/10/15 18:46	10
Dimethoate	170	U	220	170	70	ug/Kg	☼	11/10/15 18:46	10
Disulfoton	170	U	470	170	76	ug/Kg	☼	11/10/15 18:46	10
EPN	79	U	130	79	36	ug/Kg	☼	11/10/15 18:46	10
Mocap	170	U	150	170	49	ug/Kg	☼	11/10/15 18:46	10
Ethyl Parathion	170	U	180	170	52	ug/Kg	☼	11/10/15 18:46	10
Famphur	79	U	130	79	32	ug/Kg	☼	11/10/15 18:46	10
Fensulfothion	170	U	250	170	80	ug/Kg	☼	11/10/15 18:46	10
Fenthion	330	U	330	330	86	ug/Kg	☼	11/10/15 18:46	10
Malathion	170	U	150	170	46	ug/Kg	☼	11/10/15 18:46	10
Merphos	170	U	300	170	51	ug/Kg	☼	11/10/15 18:46	10
Methyl parathion	170	U	200	170	63	ug/Kg	☼	11/10/15 18:46	10
Mevinphos	170	U	150	170	46	ug/Kg	☼	11/10/15 18:46	10
Phorate	170	U	200	170	56	ug/Kg	☼	11/10/15 18:46	10
Phosmet	660	U	660	660	190	ug/Kg	☼	11/10/15 18:46	10
Propazine	330	U	660	330	85	ug/Kg	☼	11/10/15 18:46	10
Ronnel	330	U	450	330	150	ug/Kg	☼	11/10/15 18:46	10
Simazine	660	U	660	660	220	ug/Kg	☼	11/10/15 18:46	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	43	ug/Kg	☼	11/10/15 18:46	10
Sulfotepp	170	U	200	170	62	ug/Kg	☼	11/10/15 18:46	10
Thionazin	170	U	180	170	55	ug/Kg	☼	11/10/15 18:46	10
Tokuthion	79	U	200	79	39	ug/Kg	☼	11/10/15 18:46	10
Trichloronate	170	U	200	170	62	ug/Kg	☼	11/10/15 18:46	10
o,o',o''-Triethylphosphorothioate	170	U	380	170	77	ug/Kg	☼	11/10/15 18:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*75*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 18:46*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6600	U	6900	6600	2200	ug/Kg	☼	11/10/15 16:43	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*65*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 16:43*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.050	U	0.083	0.050	0.050	mg/Kg	☼	10/24/15 20:34	10
Dalapon	0.080	U	1.0	0.080	0.029	mg/Kg	☼	10/24/15 20:34	10
2,4-DB	0.050	U Q	0.083	0.050	0.030	mg/Kg	☼	10/24/15 20:34	10
Dicamba	0.050	U	0.083	0.050	0.019	mg/Kg	☼	10/24/15 20:34	10
Dichlorprop	0.020	U	0.083	0.020	0.011	mg/Kg	☼	10/24/15 20:34	10
Dinoseb	0.050	U	0.50	0.050	0.046	mg/Kg	☼	10/24/15 20:34	10
MCPA	4.8	U	20	4.8	1.9	mg/Kg	☼	10/24/15 20:34	10
MCPP	4.8	U	20	4.8	1.7	mg/Kg	☼	10/24/15 20:34	10
Pentachlorophenol	0.010	U	0.083	0.010	0.0042	mg/Kg	☼	10/24/15 20:34	10
Silvex (2,4,5-TP)	0.050	U	0.083	0.050	0.016	mg/Kg	☼	10/24/15 20:34	10
2,4,5-T	0.050	U	0.083	0.050	0.023	mg/Kg	☼	10/24/15 20:34	10

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	*68*		*27 - 122*	*10/23/15 07:42*	*10/24/15 20:34*	*10*

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.1	U	1.1	1.1	0.45	mg/Kg	☼	10/26/15 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*127*		*68 - 134*	*10/26/15 08:30*	*10/26/15 11:21*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	150	U	170	150	110	mg/Kg	☼	10/28/15 10:08	10
Oil Range Organics (C20-C36)	1000	U	1000	1000	1000	mg/Kg	☼	10/28/15 10:08	10
JP-4 Fuel	330	U	330	330	330	mg/Kg	☼	10/28/15 10:08	10
JP-5	170	U	170	170	170	mg/Kg	☼	10/28/15 10:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 10:08*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.012	U	0.054	0.012	0.0048	mg/Kg	☼	10/30/15 21:53	10
alpha-BHC	0.012	U	0.054	0.012	0.0045	mg/Kg	☼	10/30/15 21:53	10
alpha-Chlordane	0.012	U	0.054	0.012	0.0058	mg/Kg	☼	10/30/15 21:53	10
beta-BHC	0.023	U	0.054	0.023	0.011	mg/Kg	☼	10/30/15 21:53	10
Chlordane (technical)	0.21	U	0.54	0.21	0.093	mg/Kg	☼	10/30/15 21:53	10
Chlorobenzilate	1.9	U Q	3.2	1.9	0.77	mg/Kg	☼	10/30/15 21:53	10
4,4'-DDD	0.012	U	0.054	0.012	0.0058	mg/Kg	☼	10/30/15 21:53	10
4,4'-DDE	**0.013**	**J D**	0.054	0.012	0.0058	mg/Kg	☼	10/30/15 21:53	10
4,4'-DDT	0.016	U	0.054	0.016	0.0070	mg/Kg	☼	10/30/15 21:53	10
delta-BHC	0.016	U	0.054	0.016	0.0061	mg/Kg	☼	10/30/15 21:53	10
Dieldrin	0.012	U	0.054	0.012	0.0054	mg/Kg	☼	10/30/15 21:53	10
Endosulfan I	0.012	U	0.054	0.012	0.0054	mg/Kg	☼	10/30/15 21:53	10
Endosulfan II	0.012	U	0.054	0.012	0.0048	mg/Kg	☼	10/30/15 21:53	10
Endosulfan sulfate	0.016	U	0.054	0.016	0.0067	mg/Kg	☼	10/30/15 21:53	10
Endrin	0.016	U	0.054	0.016	0.0070	mg/Kg	☼	10/30/15 21:53	10
Endrin aldehyde	0.016	U	0.054	0.016	0.0070	mg/Kg	☼	10/30/15 21:53	10
Endrin ketone	0.016	U	0.054	0.016	0.0064	mg/Kg	☼	10/30/15 21:53	10
gamma-BHC (Lindane)	0.012	U	0.054	0.012	0.0045	mg/Kg	☼	10/30/15 21:53	10
gamma-Chlordane	0.012	U	0.054	0.012	0.0058	mg/Kg	☼	10/30/15 21:53	10
Heptachlor	0.016	U	0.054	0.016	0.0061	mg/Kg	☼	10/30/15 21:53	10
Heptachlor epoxide	0.012	U	0.054	0.012	0.0051	mg/Kg	☼	10/30/15 21:53	10
Isodrin	0.029	U	0.054	0.029	0.011	mg/Kg	☼	10/30/15 21:53	10
Kepone	1.1	U Q	3.2	1.1	0.42	mg/Kg	☼	10/30/15 21:53	10
Methoxychlor	0.023	U	0.054	0.023	0.0090	mg/Kg	☼	10/30/15 21:53	10
PCB-1016	0.74	U	1.1	0.74	0.35	mg/Kg	☼	10/30/15 21:53	10
PCB-1221	0.96	U	1.1	0.96	0.48	mg/Kg	☼	10/30/15 21:53	10

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1232	0.42	U	1.1	0.42	0.17	mg/Kg	☼	10/30/15 21:53	10
PCB-1242	0.42	U	1.1	0.42	0.16	mg/Kg	☼	10/30/15 21:53	10
PCB-1248	0.64	U	1.1	0.64	0.26	mg/Kg	☼	10/30/15 21:53	10
PCB-1254	0.96	U	1.1	0.96	0.32	mg/Kg	☼	10/30/15 21:53	10
PCB-1260	0.74	U	1.1	0.74	0.31	mg/Kg	☼	10/30/15 21:53	10
Toxaphene	0.42	U	5.4	0.42	0.18	mg/Kg	☼	10/30/15 21:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/23/15 11:50*	*10/30/15 21:53*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/23/15 11:50*	*10/30/15 21:53*	*10*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U	660	330	120	ug/Kg	☼	11/10/15 19:16	10
Azinphos-ethyl	330	U	330	330	86	ug/Kg	☼	11/10/15 19:16	10
Azinphos-methyl	79	U	130	79	35	ug/Kg	☼	11/10/15 19:16	10
Bolstar	170	U	130	170	42	ug/Kg	☼	11/10/15 19:16	10
Chlorpyrifos	170	U	200	170	64	ug/Kg	☼	11/10/15 19:16	10
Coumaphos	79	U	130	79	28	ug/Kg	☼	11/10/15 19:16	10
Demeton-O	230	U	390	230	52	ug/Kg	☼	11/10/15 19:16	10
Demeton-S	99	U	150	99	48	ug/Kg	☼	11/10/15 19:16	10
Demeton, Total	170	U	390	170	74	ug/Kg	☼	11/10/15 19:16	10
Diazinon	170	U	220	170	72	ug/Kg	☼	11/10/15 19:16	10
Dichlorvos	170	U	230	170	73	ug/Kg	☼	11/10/15 19:16	10
Dimethoate	170	U	220	170	70	ug/Kg	☼	11/10/15 19:16	10
Disulfoton	170	U	470	170	76	ug/Kg	☼	11/10/15 19:16	10
EPN	79	U	130	79	36	ug/Kg	☼	11/10/15 19:16	10
Mocap	170	U	150	170	49	ug/Kg	☼	11/10/15 19:16	10
Ethyl Parathion	170	U	180	170	52	ug/Kg	☼	11/10/15 19:16	10
Famphur	79	U	130	79	32	ug/Kg	☼	11/10/15 19:16	10
Fensulfothion	170	U	250	170	80	ug/Kg	☼	11/10/15 19:16	10
Fenthion	330	U	330	330	86	ug/Kg	☼	11/10/15 19:16	10
Malathion	170	U	150	170	46	ug/Kg	☼	11/10/15 19:16	10
Merphos	170	U	300	170	51	ug/Kg	☼	11/10/15 19:16	10
Methyl parathion	170	U	200	170	63	ug/Kg	☼	11/10/15 19:16	10
Mevinphos	170	U	150	170	46	ug/Kg	☼	11/10/15 19:16	10
Phorate	170	U	200	170	56	ug/Kg	☼	11/10/15 19:16	10
Phosmet	660	U	660	660	190	ug/Kg	☼	11/10/15 19:16	10
Propazine	330	U	660	330	85	ug/Kg	☼	11/10/15 19:16	10
Ronnel	330	U	450	330	150	ug/Kg	☼	11/10/15 19:16	10
Simazine	660	U	660	660	220	ug/Kg	☼	11/10/15 19:16	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	43	ug/Kg	☼	11/10/15 19:16	10
Sulfotepp	170	U	200	170	62	ug/Kg	☼	11/10/15 19:16	10
Thionazin	170	U	180	170	55	ug/Kg	☼	11/10/15 19:16	10
Tokuthion	79	U	200	79	39	ug/Kg	☼	11/10/15 19:16	10
Trichloronate	170	U	200	170	62	ug/Kg	☼	11/10/15 19:16	10
o,o',o''-Triethylphosphorothioate	170	U	390	170	78	ug/Kg	☼	11/10/15 19:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*113*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 19:16*	*10*

Client Sample ID: AOPSF501

Lab Sample ID: 680-117942-51
Date Collected: 10/12/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 99.6

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6600	U	6900	6600	2200	ug/Kg	☼	11/10/15 17:14	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*103*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 17:14*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.050	U	0.083	0.050	0.050	mg/Kg	☼	10/24/15 23:54	10
Dalapon	0.080	U	1.0	0.080	0.029	mg/Kg	☼	10/24/15 23:54	10
2,4-DB	0.050	U Q	0.083	0.050	0.030	mg/Kg	☼	10/24/15 23:54	10
Dicamba	0.050	U	0.083	0.050	0.019	mg/Kg	☼	10/24/15 23:54	10
Dichlorprop	0.020	U	0.083	0.020	0.011	mg/Kg	☼	10/24/15 23:54	10
Dinoseb	0.050	U	0.50	0.050	0.046	mg/Kg	☼	10/24/15 23:54	10
MCPA	4.8	U	20	4.8	1.9	mg/Kg	☼	10/24/15 23:54	10
MCPP	4.8	U	20	4.8	1.7	mg/Kg	☼	10/24/15 23:54	10
Pentachlorophenol	0.010	U	0.083	0.010	0.0042	mg/Kg	☼	10/24/15 23:54	10
Silvex (2,4,5-TP)	0.050	U	0.083	0.050	0.016	mg/Kg	☼	10/24/15 23:54	10
2,4,5-T	0.050	U	0.083	0.050	0.023	mg/Kg	☼	10/24/15 23:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/23/15 07:42*	*10/24/15 23:54*	*10*

Client Sample ID: AOPSF701

Lab Sample ID: 680-117942-52
Date Collected: 10/12/15 16:46
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 96.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.47	mg/Kg	☼	10/26/15 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*68 - 134*	*10/26/15 08:30*	*10/26/15 11:45*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/28/15 10:22	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/28/15 10:22	10
JP-4 Fuel	350	U	350	350	350	mg/Kg	☼	10/28/15 10:22	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/28/15 10:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 10:22*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.011	U	0.051	0.011	0.0045	mg/Kg	☼	10/30/15 22:24	10
alpha-BHC	0.011	U	0.051	0.011	0.0042	mg/Kg	☼	10/30/15 22:24	10
alpha-Chlordane	0.011	U	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 22:24	10
beta-BHC	0.022	U	0.051	0.022	0.0098	mg/Kg	☼	10/30/15 22:24	10
Chlordane (technical)	0.20	U	0.51	0.20	0.087	mg/Kg	☼	10/30/15 22:24	10
Chlorobenzilate	1.7	U Q	3.0	1.7	0.72	mg/Kg	☼	10/30/15 22:24	10

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52

Matrix: Solid
Percent Solids: 96.5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.011	U	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 22:24	10
4,4'-DDE	0.011	U	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 22:24	10
4,4'-DDT	0.015	U	0.051	0.015	0.0066	mg/Kg	☼	10/30/15 22:24	10
delta-BHC	0.015	U	0.051	0.015	0.0057	mg/Kg	☼	10/30/15 22:24	10
Dieldrin	0.011	U	0.051	0.011	0.0051	mg/Kg	☼	10/30/15 22:24	10
Endosulfan I	0.011	U	0.051	0.011	0.0051	mg/Kg	☼	10/30/15 22:24	10
Endosulfan II	0.011	U	0.051	0.011	0.0045	mg/Kg	☼	10/30/15 22:24	10
Endosulfan sulfate	0.015	U	0.051	0.015	0.0063	mg/Kg	☼	10/30/15 22:24	10
Endrin	0.015	U	0.051	0.015	0.0066	mg/Kg	☼	10/30/15 22:24	10
Endrin aldehyde	0.015	U	0.051	0.015	0.0066	mg/Kg	☼	10/30/15 22:24	10
Endrin ketone	0.015	U	0.051	0.015	0.0060	mg/Kg	☼	10/30/15 22:24	10
gamma-BHC (Lindane)	0.011	U	0.051	0.011	0.0042	mg/Kg	☼	10/30/15 22:24	10
gamma-Chlordane	0.011	U	0.051	0.011	0.0054	mg/Kg	☼	10/30/15 22:24	10
Heptachlor	0.015	U	0.051	0.015	0.0057	mg/Kg	☼	10/30/15 22:24	10
Heptachlor epoxide	0.011	U	0.051	0.011	0.0048	mg/Kg	☼	10/30/15 22:24	10
Isodrin	0.027	U	0.051	0.027	0.010	mg/Kg	☼	10/30/15 22:24	10
Kepone	1.0	U Q	3.0	1.0	0.39	mg/Kg	☼	10/30/15 22:24	10
Methoxychlor	0.022	U	0.051	0.022	0.0084	mg/Kg	☼	10/30/15 22:24	10
PCB-1016	0.69	U	0.98	0.69	0.33	mg/Kg	☼	10/30/15 22:24	10
PCB-1221	0.90	U	0.98	0.90	0.45	mg/Kg	☼	10/30/15 22:24	10
PCB-1232	0.39	U	0.98	0.39	0.16	mg/Kg	☼	10/30/15 22:24	10
PCB-1242	0.39	U	0.98	0.39	0.15	mg/Kg	☼	10/30/15 22:24	10
PCB-1248	0.60	U	0.98	0.60	0.24	mg/Kg	☼	10/30/15 22:24	10
PCB-1254	0.90	U	0.98	0.90	0.30	mg/Kg	☼	10/30/15 22:24	10
PCB-1260	0.69	U	0.98	0.69	0.29	mg/Kg	☼	10/30/15 22:24	10
Toxaphene	0.39	U	5.1	0.39	0.16	mg/Kg	☼	10/30/15 22:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/23/15 11:50*	*10/30/15 22:24*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/23/15 11:50*	*10/30/15 22:24*	*10*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U	680	330	120	ug/Kg	☼	11/10/15 19:47	10
Azinphos-ethyl	330	U	330	330	87	ug/Kg	☼	11/10/15 19:47	10
Azinphos-methyl	81	U	130	81	35	ug/Kg	☼	11/10/15 19:47	10
Bolstar	170	U	130	170	43	ug/Kg	☼	11/10/15 19:47	10
Chlorpyrifos	170	U	200	170	65	ug/Kg	☼	11/10/15 19:47	10
Coumaphos	81	U	130	81	28	ug/Kg	☼	11/10/15 19:47	10
Demeton-O	230	U	390	230	53	ug/Kg	☼	11/10/15 19:47	10
Demeton-S	100	U	150	100	49	ug/Kg	☼	11/10/15 19:47	10
Demeton, Total	170	U	390	170	76	ug/Kg	☼	11/10/15 19:47	10
Diazinon	170	U	220	170	73	ug/Kg	☼	11/10/15 19:47	10
Dichlorvos	170	U	230	170	75	ug/Kg	☼	11/10/15 19:47	10
Dimethoate	170	U	220	170	71	ug/Kg	☼	11/10/15 19:47	10
Disulfoton	170	U	480	170	78	ug/Kg	☼	11/10/15 19:47	10
EPN	81	U	130	81	37	ug/Kg	☼	11/10/15 19:47	10
Mocap	170	U	150	170	50	ug/Kg	☼	11/10/15 19:47	10
Ethyl Parathion	170	U	180	170	53	ug/Kg	☼	11/10/15 19:47	10
Famphur	81	U	130	81	33	ug/Kg	☼	11/10/15 19:47	10

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52

Matrix: Solid
Percent Solids: 96.5

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Fensulfothion	170	U	250	170	82	ug/Kg	☼	11/10/15 19:47	10
Fenthion	330	U	330	330	88	ug/Kg	☼	11/10/15 19:47	10
Malathion	170	U	150	170	47	ug/Kg	☼	11/10/15 19:47	10
Merphos	170	U	300	170	52	ug/Kg	☼	11/10/15 19:47	10
Methyl parathion	170	U	200	170	64	ug/Kg	☼	11/10/15 19:47	10
Mevinphos	170	U	150	170	47	ug/Kg	☼	11/10/15 19:47	10
Phorate	170	U	200	170	58	ug/Kg	☼	11/10/15 19:47	10
Phosmet	680	U	680	680	190	ug/Kg	☼	11/10/15 19:47	10
Propazine	330	U	680	330	87	ug/Kg	☼	11/10/15 19:47	10
Ronnel	330	U	460	330	150	ug/Kg	☼	11/10/15 19:47	10
Simazine	680	U	680	680	220	ug/Kg	☼	11/10/15 19:47	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	44	ug/Kg	☼	11/10/15 19:47	10
Sulfotepp	170	U	200	170	63	ug/Kg	☼	11/10/15 19:47	10
Thionazin	170	U	180	170	56	ug/Kg	☼	11/10/15 19:47	10
Tokuthion	81	U	200	81	39	ug/Kg	☼	11/10/15 19:47	10
Trichloronate	170	U	200	170	63	ug/Kg	☼	11/10/15 19:47	10
o,o',o''-Triethylphosphorothioate	170	U	390	170	79	ug/Kg	☼	11/10/15 19:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*106*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 19:47*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6800	U	7100	6800	2300	ug/Kg	☼	11/10/15 17:45	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*83*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 17:45*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.052	U	0.086	0.052	0.052	mg/Kg	☼	10/25/15 00:13	10
Dalapon	0.083	U	1.0	0.083	0.030	mg/Kg	☼	10/25/15 00:13	10
2,4-DB	0.052	U Q	0.086	0.052	0.031	mg/Kg	☼	10/25/15 00:13	10
Dicamba	0.052	U	0.086	0.052	0.020	mg/Kg	☼	10/25/15 00:13	10
Dichlorprop	0.021	U	0.086	0.021	0.011	mg/Kg	☼	10/25/15 00:13	10
Dinoseb	0.052	U	0.52	0.052	0.048	mg/Kg	☼	10/25/15 00:13	10
MCPA	5.0	U	21	5.0	2.0	mg/Kg	☼	10/25/15 00:13	10
MCPP	5.0	U	21	5.0	1.8	mg/Kg	☼	10/25/15 00:13	10
Pentachlorophenol	0.010	U	0.086	0.010	0.0043	mg/Kg	☼	10/25/15 00:13	10
Silvex (2,4,5-TP)	0.052	U	0.086	0.052	0.017	mg/Kg	☼	10/25/15 00:13	10
2,4,5-T	0.052	U	0.086	0.052	0.024	mg/Kg	☼	10/25/15 00:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/23/15 07:42*	*10/25/15 00:13*	*10*

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	**0.58**	**J**	1.4	1.4	0.58	mg/Kg	☼	10/26/15 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*129*		*68 - 134*	*10/26/15 08:30*	*10/26/15 14:53*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	87	U J	95	87	61	mg/Kg	☼	10/31/15 01:41	5
Oil Range Organics (C20-C36)	580	U	580	580	580	mg/Kg	☼	10/31/15 01:41	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/31/15 01:41	5
JP-5	95	U	95	95	95	mg/Kg	☼	10/31/15 01:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*Q*	*45 - 130*	*10/23/15 14:41*	*10/31/15 01:41*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0013	U	0.0059	0.0013	0.00052	mg/Kg	☼	10/29/15 18:34	1
alpha-BHC	0.0013	U Q	0.0059	0.0013	0.00049	mg/Kg	☼	10/29/15 18:34	1
alpha-Chlordane	0.0013	U	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 18:34	1
beta-BHC	0.0025	U	0.0059	0.0025	0.0012	mg/Kg	☼	10/29/15 18:34	1
Chlordane (technical)	0.023	U Q	0.059	0.023	0.010	mg/Kg	☼	10/29/15 18:34	1
Chlorobenzilate	0.20	U Q	0.35	0.20	0.084	mg/Kg	☼	10/29/15 18:34	1
4,4'-DDD	0.0013	U Q	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 18:34	1
4,4'-DDE	**0.0017**	**J**	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 18:34	1
4,4'-DDT	**0.0014**	**J Q**	0.0059	0.0017	0.00077	mg/Kg	☼	10/29/15 18:34	1
delta-BHC	0.0017	U	0.0059	0.0017	0.00066	mg/Kg	☼	10/29/15 18:34	1
Dieldrin	0.0013	U	0.0059	0.0013	0.00059	mg/Kg	☼	10/29/15 18:34	1
Endosulfan I	0.0013	U	0.0059	0.0013	0.00059	mg/Kg	☼	10/29/15 18:34	1
Endosulfan II	0.0013	U	0.0059	0.0013	0.00052	mg/Kg	☼	10/29/15 18:34	1
Endosulfan sulfate	0.0017	U	0.0059	0.0017	0.00073	mg/Kg	☼	10/29/15 18:34	1
Endrin	0.0017	U	0.0059	0.0017	0.00077	mg/Kg	☼	10/29/15 18:34	1
Endrin aldehyde	0.0017	U	0.0059	0.0017	0.00077	mg/Kg	☼	10/29/15 18:34	1
Endrin ketone	0.0017	U	0.0059	0.0017	0.00070	mg/Kg	☼	10/29/15 18:34	1
gamma-BHC (Lindane)	0.0013	U	0.0059	0.0013	0.00049	mg/Kg	☼	10/29/15 18:34	1
gamma-Chlordane	0.0013	U	0.0059	0.0013	0.00063	mg/Kg	☼	10/29/15 18:34	1
Heptachlor	0.0017	U	0.0059	0.0017	0.00066	mg/Kg	☼	10/29/15 18:34	1
Heptachlor epoxide	0.0013	U	0.0059	0.0013	0.00056	mg/Kg	☼	10/29/15 18:34	1
Isodrin	0.0032	U	0.0059	0.0032	0.0012	mg/Kg	☼	10/29/15 18:34	1
Kepone	0.12	U Q	0.35	0.12	0.045	mg/Kg	☼	10/29/15 18:34	1
Methoxychlor	0.0025	U Q	0.0059	0.0025	0.00098	mg/Kg	☼	10/29/15 18:34	1
PCB-1016	0.080	U	0.12	0.080	0.038	mg/Kg	☼	10/29/15 18:34	1
PCB-1221	0.10	U	0.12	0.10	0.052	mg/Kg	☼	10/29/15 18:34	1
PCB-1232	0.045	U	0.12	0.045	0.018	mg/Kg	☼	10/29/15 18:34	1
PCB-1242	0.045	U	0.12	0.045	0.017	mg/Kg	☼	10/29/15 18:34	1
PCB-1248	0.070	U	0.12	0.070	0.029	mg/Kg	☼	10/29/15 18:34	1
PCB-1254	0.10	U	0.12	0.10	0.035	mg/Kg	☼	10/29/15 18:34	1
PCB-1260	0.080	U	0.12	0.080	0.034	mg/Kg	☼	10/29/15 18:34	1
Toxaphene	0.045	U Q	0.59	0.045	0.019	mg/Kg	☼	10/29/15 18:34	1

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		44 - 129	10/23/15 14:41	10/29/15 18:34	1
Tetrachloro-m-xylene	76		46 - 130	10/23/15 14:41	10/29/15 18:34	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.013	U	0.059	0.013	0.0052	mg/Kg	☼	10/31/15 20:19	10
alpha-BHC	0.013	U	0.059	0.013	0.0049	mg/Kg	☼	10/31/15 20:19	10
alpha-Chlordane	0.013	U	0.059	0.013	0.0063	mg/Kg	☼	10/31/15 20:19	10
beta-BHC	0.025	U	0.059	0.025	0.012	mg/Kg	☼	10/31/15 20:19	10
Chlordane (technical)	0.23	U	0.59	0.23	0.10	mg/Kg	☼	10/31/15 20:19	10
Chlorobenzilate	2.0	U Q	3.5	2.0	0.84	mg/Kg	☼	10/31/15 20:19	10
4,4'-DDD	0.013	U	0.059	0.013	0.0063	mg/Kg	☼	10/31/15 20:19	10
4,4'-DDE	0.013	U	0.059	0.013	0.0063	mg/Kg	☼	10/31/15 20:19	10
4,4'-DDT	0.017	U	0.059	0.017	0.0077	mg/Kg	☼	10/31/15 20:19	10
delta-BHC	0.017	U	0.059	0.017	0.0066	mg/Kg	☼	10/31/15 20:19	10
Dieldrin	0.013	U	0.059	0.013	0.0059	mg/Kg	☼	10/31/15 20:19	10
Endosulfan I	0.013	U	0.059	0.013	0.0059	mg/Kg	☼	10/31/15 20:19	10
Endosulfan II	0.013	U	0.059	0.013	0.0052	mg/Kg	☼	10/31/15 20:19	10
Endosulfan sulfate	0.017	U	0.059	0.017	0.0073	mg/Kg	☼	10/31/15 20:19	10
Endrin	0.017	U	0.059	0.017	0.0077	mg/Kg	☼	10/31/15 20:19	10
Endrin aldehyde	0.017	U	0.059	0.017	0.0077	mg/Kg	☼	10/31/15 20:19	10
Endrin ketone	0.017	U	0.059	0.017	0.0070	mg/Kg	☼	10/31/15 20:19	10
gamma-BHC (Lindane)	0.013	U	0.059	0.013	0.0049	mg/Kg	☼	10/31/15 20:19	10
gamma-Chlordane	0.013	U	0.059	0.013	0.0063	mg/Kg	☼	10/31/15 20:19	10
Heptachlor	0.017	U	0.059	0.017	0.0066	mg/Kg	☼	10/31/15 20:19	10
Heptachlor epoxide	0.013	U	0.059	0.013	0.0056	mg/Kg	☼	10/31/15 20:19	10
Isodrin	0.032	U	0.059	0.032	0.012	mg/Kg	☼	10/31/15 20:19	10
Kepone	1.2	U Q	3.5	1.2	0.45	mg/Kg	☼	10/31/15 20:19	10
Methoxychlor	0.025	U	0.059	0.025	0.0098	mg/Kg	☼	10/31/15 20:19	10
PCB-1016	0.80	U	1.2	0.80	0.38	mg/Kg	☼	10/31/15 20:19	10
PCB-1221	1.0	U	1.2	1.0	0.52	mg/Kg	☼	10/31/15 20:19	10
PCB-1232	0.45	U	1.2	0.45	0.18	mg/Kg	☼	10/31/15 20:19	10
PCB-1242	0.45	U	1.2	0.45	0.17	mg/Kg	☼	10/31/15 20:19	10
PCB-1248	0.70	U	1.2	0.70	0.29	mg/Kg	☼	10/31/15 20:19	10
PCB-1254	1.0	U	1.2	1.0	0.35	mg/Kg	☼	10/31/15 20:19	10
PCB-1260	0.80	U	1.2	0.80	0.34	mg/Kg	☼	10/31/15 20:19	10
Toxaphene	0.45	U	5.9	0.45	0.19	mg/Kg	☼	10/31/15 20:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/23/15 14:41	10/31/15 20:19	10
Tetrachloro-m-xylene	0	D	46 - 130	10/23/15 14:41	10/31/15 20:19	10

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	350	U J	710	350	130	ug/Kg	☼	11/09/15 23:26	10
Azinphos-ethyl	350	U	350	350	92	ug/Kg	☼	11/09/15 23:26	10
Azinphos-methyl	85	U	140	85	37	ug/Kg	☼	11/09/15 23:26	10
Bolstar	180	U	140	180	45	ug/Kg	☼	11/09/15 23:26	10
Chlorpyrifos	180	U	210	180	69	ug/Kg	☼	11/09/15 23:26	10
Coumaphos	85	U	140	85	30	ug/Kg	☼	11/09/15 23:26	10
Demeton-O	250	U	420	250	56	ug/Kg	☼	11/09/15 23:26	10

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Demeton-S	110	U	160	110	52	ug/Kg	☼	11/09/15 23:26	10
Demeton, Total	180	U	420	180	80	ug/Kg	☼	11/09/15 23:26	10
Diazinon	180	U	230	180	78	ug/Kg	☼	11/09/15 23:26	10
Dichlorvos	180	U Q	250	180	79	ug/Kg	☼	11/09/15 23:26	10
Dimethoate	180	U	230	180	76	ug/Kg	☼	11/09/15 23:26	10
Disulfoton	180	U	510	180	82	ug/Kg	☼	11/09/15 23:26	10
EPN	85	U	140	85	39	ug/Kg	☼	11/09/15 23:26	10
Mocap	180	U	160	180	53	ug/Kg	☼	11/09/15 23:26	10
Ethyl Parathion	180	U	190	180	56	ug/Kg	☼	11/09/15 23:26	10
Famphur	85	U	140	85	34	ug/Kg	☼	11/09/15 23:26	10
Fensulfothion	180	U	270	180	87	ug/Kg	☼	11/09/15 23:26	10
Fenthion	350	U	350	350	93	ug/Kg	☼	11/09/15 23:26	10
Malathion	180	U	160	180	50	ug/Kg	☼	11/09/15 23:26	10
Merphos	180	U J	320	180	55	ug/Kg	☼	11/09/15 23:26	10
Methyl parathion	180	U	210	180	68	ug/Kg	☼	11/09/15 23:26	10
Mevinphos	180	U	160	180	49	ug/Kg	☼	11/09/15 23:26	10
Phorate	180	U	210	180	61	ug/Kg	☼	11/09/15 23:26	10
Phosmet	710	U	710	710	210	ug/Kg	☼	11/09/15 23:26	10
Propazine	350	U J	710	350	92	ug/Kg	☼	11/09/15 23:26	10
Ronnel	350	U	490	350	160	ug/Kg	☼	11/09/15 23:26	10
Simazine	710	U	710	710	240	ug/Kg	☼	11/09/15 23:26	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	47	ug/Kg	☼	11/09/15 23:26	10
Sulfotepp	180	U	210	180	67	ug/Kg	☼	11/09/15 23:26	10
Thionazin	180	U	190	180	59	ug/Kg	☼	11/09/15 23:26	10
Tokuthion	85	U	210	85	42	ug/Kg	☼	11/09/15 23:26	10
Trichloronate	180	U	210	180	67	ug/Kg	☼	11/09/15 23:26	10
o,o',o''-Triethylphosphorothioate	180	U	420	180	84	ug/Kg	☼	11/09/15 23:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*75*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 23:26*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7100	U	7500	7100	2400	ug/Kg	☼	11/09/15 18:52	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*79*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 18:52*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0058	U	0.0097	0.0058	0.0058	mg/Kg	☼	10/25/15 02:20	1
Dalapon	0.0093	U	0.12	0.0093	0.0034	mg/Kg	☼	10/25/15 02:20	1
2,4-DB	0.0058	U	0.0097	0.0058	0.0035	mg/Kg	☼	10/25/15 02:20	1
Dicamba	0.0058	U	0.0097	0.0058	0.0022	mg/Kg	☼	10/25/15 02:20	1
Dichlorprop	0.0023	U	0.0097	0.0023	0.0013	mg/Kg	☼	10/25/15 02:20	1
Dinoseb	0.0058	U	0.058	0.0058	0.0054	mg/Kg	☼	10/25/15 02:20	1
MCPA	0.56	U	2.3	0.56	0.22	mg/Kg	☼	10/25/15 02:20	1
MCPP	0.56	U	2.3	0.56	0.20	mg/Kg	☼	10/25/15 02:20	1
Pentachlorophenol	0.0012	U	0.0097	0.0012	0.00049	mg/Kg	☼	10/25/15 02:20	1
Silvex (2,4,5-TP)	0.0058	U	0.0097	0.0058	0.0019	mg/Kg	☼	10/25/15 02:20	1

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Method: 8151A DOD - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4,5-T	0.0058	U	0.0097	0.0058	0.0027	mg/Kg	☼	10/25/15 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*82*		*27 - 122*	*10/23/15 07:43*	*10/25/15 02:20*	*1*

Client Sample ID: AOPSH401

Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54

Matrix: Solid
Percent Solids: 84.6

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.52	mg/Kg	☼	10/26/15 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*68 - 134*	*10/26/15 08:30*	*10/26/15 12:08*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	91	U	100	91	63	mg/Kg	☼	10/28/15 10:37	5
Oil Range Organics (C20-C36)	600	U	600	600	600	mg/Kg	☼	10/28/15 10:37	5
JP-4 Fuel	200	U	200	200	200	mg/Kg	☼	10/28/15 10:37	5
JP-5	100	U	100	100	100	mg/Kg	☼	10/28/15 10:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 10:37*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0066	U	0.031	0.0066	0.0027	mg/Kg	☼	10/30/15 18:19	5
alpha-BHC	0.0066	U	0.031	0.0066	0.0025	mg/Kg	☼	10/30/15 18:19	5
alpha-Chlordane	0.0066	U	0.031	0.0066	0.0032	mg/Kg	☼	10/30/15 18:19	5
beta-BHC	0.013	U	0.031	0.013	0.0059	mg/Kg	☼	10/30/15 18:19	5
Chlordane (technical)	0.12	U	0.31	0.12	0.052	mg/Kg	☼	10/30/15 18:19	5
Chlorobenzilate	1.0	U	1.8	1.0	0.43	mg/Kg	☼	10/30/15 18:19	5
4,4'-DDD	0.0066	U	0.031	0.0066	0.0032	mg/Kg	☼	10/30/15 18:19	5
4,4'-DDE	0.0066	U	0.031	0.0066	0.0032	mg/Kg	☼	10/30/15 18:19	5
4,4'-DDT	0.0090	U	0.031	0.0090	0.0039	mg/Kg	☼	10/30/15 18:19	5
delta-BHC	0.0090	U	0.031	0.0090	0.0034	mg/Kg	☼	10/30/15 18:19	5
Dieldrin	0.0066	U	0.031	0.0066	0.0031	mg/Kg	☼	10/30/15 18:19	5
Endosulfan I	0.0066	U	0.031	0.0066	0.0031	mg/Kg	☼	10/30/15 18:19	5
Endosulfan II	0.0066	U	0.031	0.0066	0.0027	mg/Kg	☼	10/30/15 18:19	5
Endosulfan sulfate	0.0090	U	0.031	0.0090	0.0038	mg/Kg	☼	10/30/15 18:19	5
Endrin	0.0090	U	0.031	0.0090	0.0039	mg/Kg	☼	10/30/15 18:19	5
Endrin aldehyde	0.0090	U	0.031	0.0090	0.0039	mg/Kg	☼	10/30/15 18:19	5
Endrin ketone	0.0090	U	0.031	0.0090	0.0036	mg/Kg	☼	10/30/15 18:19	5
gamma-BHC (Lindane)	0.0066	U	0.031	0.0066	0.0025	mg/Kg	☼	10/30/15 18:19	5
gamma-Chlordane	0.0066	U	0.031	0.0066	0.0032	mg/Kg	☼	10/30/15 18:19	5
Heptachlor	0.0090	U	0.031	0.0090	0.0034	mg/Kg	☼	10/30/15 18:19	5
Heptachlor epoxide	0.0066	U	0.031	0.0066	0.0029	mg/Kg	☼	10/30/15 18:19	5
Isodrin	0.017	U	0.031	0.017	0.0061	mg/Kg	☼	10/30/15 18:19	5
Kepone	0.63	U	1.8	0.63	0.23	mg/Kg	☼	10/30/15 18:19	5

Client Sample ID: AOPSH401

Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54

Matrix: Solid
Percent Solids: 84.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methoxychlor	0.013	U	0.031	0.013	0.0050	mg/Kg	☼	10/30/15 18:19	5
PCB-1016	0.41	U	0.59	0.41	0.20	mg/Kg	☼	10/30/15 18:19	5
PCB-1221	0.54	U	0.59	0.54	0.27	mg/Kg	☼	10/30/15 18:19	5
PCB-1232	0.23	U	0.59	0.23	0.093	mg/Kg	☼	10/30/15 18:19	5
PCB-1242	0.23	U	0.59	0.23	0.090	mg/Kg	☼	10/30/15 18:19	5
PCB-1248	0.36	U	0.59	0.36	0.15	mg/Kg	☼	10/30/15 18:19	5
PCB-1254	0.54	U	0.59	0.54	0.18	mg/Kg	☼	10/30/15 18:19	5
PCB-1260	0.41	U	0.59	0.41	0.17	mg/Kg	☼	10/30/15 18:19	5
Toxaphene	0.23	U	3.1	0.23	0.099	mg/Kg	☼	10/30/15 18:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*44 - 129*	*10/23/15 11:50*	*10/30/15 18:19*	*5*
Tetrachloro-m-xylene	*75*		*46 - 130*	*10/23/15 11:50*	*10/30/15 18:19*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	390	U	780	390	140	ug/Kg	☼	11/10/15 00:57	10
Azinphos-ethyl	390	U	390	390	100	ug/Kg	☼	11/10/15 00:57	10
Azinphos-methyl	94	U	150	94	41	ug/Kg	☼	11/10/15 00:57	10
Bolstar	200	U	150	200	50	ug/Kg	☼	11/10/15 00:57	10
Chlorpyrifos	200	U	230	200	76	ug/Kg	☼	11/10/15 00:57	10
Coumaphos	94	U	150	94	33	ug/Kg	☼	11/10/15 00:57	10
Demeton-O	270	U	460	270	62	ug/Kg	☼	11/10/15 00:57	10
Demeton-S	120	U	180	120	57	ug/Kg	☼	11/10/15 00:57	10
Demeton, Total	200	U	460	200	88	ug/Kg	☼	11/10/15 00:57	10
Diazinon	200	U	260	200	85	ug/Kg	☼	11/10/15 00:57	10
Dichlorvos	200	U	270	200	87	ug/Kg	☼	11/10/15 00:57	10
Dimethoate	200	U	260	200	83	ug/Kg	☼	11/10/15 00:57	10
Disulfoton	200	U	560	200	90	ug/Kg	☼	11/10/15 00:57	10
EPN	94	U	150	94	43	ug/Kg	☼	11/10/15 00:57	10
Mocap	200	U	180	200	58	ug/Kg	☼	11/10/15 00:57	10
Ethyl Parathion	200	U	210	200	62	ug/Kg	☼	11/10/15 00:57	10
Famphur	94	U	150	94	38	ug/Kg	☼	11/10/15 00:57	10
Fensulfothion	200	U	290	200	95	ug/Kg	☼	11/10/15 00:57	10
Fenthion	390	U	390	390	100	ug/Kg	☼	11/10/15 00:57	10
Malathion	200	U	180	200	54	ug/Kg	☼	11/10/15 00:57	10
Merphos	200	U	350	200	60	ug/Kg	☼	11/10/15 00:57	10
Methyl parathion	200	U	230	200	75	ug/Kg	☼	11/10/15 00:57	10
Mevinphos	200	U	180	200	54	ug/Kg	☼	11/10/15 00:57	10
Phorate	200	U	230	200	67	ug/Kg	☼	11/10/15 00:57	10
Phosmet	780	U	780	780	230	ug/Kg	☼	11/10/15 00:57	10
Propazine	390	U	780	390	100	ug/Kg	☼	11/10/15 00:57	10
Ronnel	390	U	540	390	180	ug/Kg	☼	11/10/15 00:57	10
Simazine	780	U	780	780	260	ug/Kg	☼	11/10/15 00:57	10
Tetrachlorvinphos (Stirophos)	200	U	180	200	51	ug/Kg	☼	11/10/15 00:57	10
Sulfotepp	200	U	230	200	73	ug/Kg	☼	11/10/15 00:57	10
Thionazin	200	U	210	200	65	ug/Kg	☼	11/10/15 00:57	10
Tokuthion	94	U	230	94	46	ug/Kg	☼	11/10/15 00:57	10
Trichloronate	200	U	230	200	73	ug/Kg	☼	11/10/15 00:57	10
o,o',o''-Triethylphosphorothioate	200	U	460	200	92	ug/Kg	☼	11/10/15 00:57	10

Client Sample ID: AOPSH401

Lab Sample ID: 680-117942-54
Date Collected: 10/12/15 17:15
Matrix: Solid
Date Received: 10/16/15 09:45
Percent Solids: 84.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	63	D	47 - 161	10/25/15 11:20	11/10/15 00:57	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7800	U	8200	7800	2600	ug/Kg	☼	11/09/15 19:23	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	204	D Q	47 - 161	10/25/15 11:20	11/09/15 19:23	100

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0059	U	0.0098	0.0059	0.0059	mg/Kg	☼	10/24/15 22:05	1
Dalapon	0.0094	U	0.12	0.0094	0.0034	mg/Kg	☼	10/24/15 22:05	1
2,4-DB	0.0059	U Q	0.0098	0.0059	0.0035	mg/Kg	☼	10/24/15 22:05	1
Dicamba	0.0059	U	0.0098	0.0059	0.0022	mg/Kg	☼	10/24/15 22:05	1
Dichlorprop	0.0024	U	0.0098	0.0024	0.0013	mg/Kg	☼	10/24/15 22:05	1
Dinoseb	0.0059	U	0.059	0.0059	0.0054	mg/Kg	☼	10/24/15 22:05	1
MCPA	0.57	U	2.4	0.57	0.22	mg/Kg	☼	10/24/15 22:05	1
MCPP	0.57	U	2.4	0.57	0.20	mg/Kg	☼	10/24/15 22:05	1
Pentachlorophenol	**0.00056**	**J M**	0.0098	0.0012	0.00050	mg/Kg	☼	10/24/15 22:05	1
Silvex (2,4,5-TP)	0.0059	U	0.0098	0.0059	0.0019	mg/Kg	☼	10/24/15 22:05	1
2,4,5-T	0.0059	U	0.0098	0.0059	0.0027	mg/Kg	☼	10/24/15 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	83	M	27 - 122	10/23/15 07:42	10/24/15 22:05	1

Client Sample ID: AOPSH501

Lab Sample ID: 680-117942-55
Date Collected: 10/12/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.4

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U	1.4	1.4	0.54	mg/Kg	☼	10/26/15 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	130		68 - 134	10/26/15 08:30	10/26/15 12:32	1

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180	U	200	180	130	mg/Kg	☼	10/28/15 10:52	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/28/15 10:52	10
JP-4 Fuel	400	U	400	400	400	mg/Kg	☼	10/28/15 10:52	10
JP-5	200	U	200	200	200	mg/Kg	☼	10/28/15 10:52	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	0	D	45 - 130	10/23/15 10:29	10/28/15 10:52	10

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.013	U	0.058	0.013	0.0051	mg/Kg	☼	10/30/15 22:39	10
alpha-BHC	0.013	U	0.058	0.013	0.0048	mg/Kg	☼	10/30/15 22:39	10
alpha-Chlordane	0.013	U	0.058	0.013	0.0061	mg/Kg	☼	10/30/15 22:39	10

Client Sample ID: AOPSH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-55

Matrix: Solid
Percent Solids: 86.4

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
beta-BHC	0.025	U	0.058	0.025	0.011	mg/Kg	☼	10/30/15 22:39	10
Chlordane (technical)	0.23	U	0.58	0.23	0.099	mg/Kg	☼	10/30/15 22:39	10
Chlorobenzilate	2.0	U Q	3.4	2.0	0.82	mg/Kg	☼	10/30/15 22:39	10
4,4'-DDD	0.013	U	0.058	0.013	0.0061	mg/Kg	☼	10/30/15 22:39	10
4,4'-DDE	**0.016**	**J D**	0.058	0.013	0.0061	mg/Kg	☼	10/30/15 22:39	10
4,4'-DDT	**0.0094**	**J D**	0.058	0.017	0.0075	mg/Kg	☼	10/30/15 22:39	10
delta-BHC	0.017	U	0.058	0.017	0.0065	mg/Kg	☼	10/30/15 22:39	10
Dieldrin	0.013	U	0.058	0.013	0.0058	mg/Kg	☼	10/30/15 22:39	10
Endosulfan I	0.013	U	0.058	0.013	0.0058	mg/Kg	☼	10/30/15 22:39	10
Endosulfan II	0.013	U	0.058	0.013	0.0051	mg/Kg	☼	10/30/15 22:39	10
Endosulfan sulfate	0.017	U	0.058	0.017	0.0071	mg/Kg	☼	10/30/15 22:39	10
Endrin	0.017	U	0.058	0.017	0.0075	mg/Kg	☼	10/30/15 22:39	10
Endrin aldehyde	0.017	U	0.058	0.017	0.0075	mg/Kg	☼	10/30/15 22:39	10
Endrin ketone	0.017	U	0.058	0.017	0.0068	mg/Kg	☼	10/30/15 22:39	10
gamma-BHC (Lindane)	0.013	U	0.058	0.013	0.0048	mg/Kg	☼	10/30/15 22:39	10
gamma-Chlordane	0.013	U	0.058	0.013	0.0061	mg/Kg	☼	10/30/15 22:39	10
Heptachlor	0.017	U	0.058	0.017	0.0065	mg/Kg	☼	10/30/15 22:39	10
Heptachlor epoxide	0.013	U	0.058	0.013	0.0054	mg/Kg	☼	10/30/15 22:39	10
Isodrin	0.031	U	0.058	0.031	0.012	mg/Kg	☼	10/30/15 22:39	10
Kepone	1.2	U Q	3.4	1.2	0.44	mg/Kg	☼	10/30/15 22:39	10
Methoxychlor	0.025	U	0.058	0.025	0.0095	mg/Kg	☼	10/30/15 22:39	10
PCB-1016	0.78	U	1.1	0.78	0.37	mg/Kg	☼	10/30/15 22:39	10
PCB-1221	1.0	U	1.1	1.0	0.51	mg/Kg	☼	10/30/15 22:39	10
PCB-1232	0.44	U	1.1	0.44	0.18	mg/Kg	☼	10/30/15 22:39	10
PCB-1242	0.44	U	1.1	0.44	0.17	mg/Kg	☼	10/30/15 22:39	10
PCB-1248	0.68	U	1.1	0.68	0.28	mg/Kg	☼	10/30/15 22:39	10
PCB-1254	1.0	U	1.1	1.0	0.34	mg/Kg	☼	10/30/15 22:39	10
PCB-1260	0.78	U	1.1	0.78	0.33	mg/Kg	☼	10/30/15 22:39	10
Toxaphene	0.44	U	5.8	0.44	0.19	mg/Kg	☼	10/30/15 22:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*44 - 129*	*10/23/15 11:50*	*10/30/15 22:39*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*10/23/15 11:50*	*10/30/15 22:39*	*10*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	770	380	140	ug/Kg	☼	11/10/15 01:28	10
Azinphos-ethyl	380	U	380	380	100	ug/Kg	☼	11/10/15 01:28	10
Azinphos-methyl	92	U	150	92	40	ug/Kg	☼	11/10/15 01:28	10
Bolstar	200	U	150	200	49	ug/Kg	☼	11/10/15 01:28	10
Chlorpyrifos	200	U	230	200	75	ug/Kg	☼	11/10/15 01:28	10
Coumaphos	92	U	150	92	32	ug/Kg	☼	11/10/15 01:28	10
Demeton-O	270	U	450	270	61	ug/Kg	☼	11/10/15 01:28	10
Demeton-S	120	U	170	120	56	ug/Kg	☼	11/10/15 01:28	10
Demeton, Total	200	U	450	200	87	ug/Kg	☼	11/10/15 01:28	10
Diazinon	200	U	250	200	84	ug/Kg	☼	11/10/15 01:28	10
Dichlorvos	200	U	270	200	85	ug/Kg	☼	11/10/15 01:28	10
Dimethoate	200	U	250	200	82	ug/Kg	☼	11/10/15 01:28	10
Disulfoton	200	U	550	200	89	ug/Kg	☼	11/10/15 01:28	10
EPN	92	U	150	92	42	ug/Kg	☼	11/10/15 01:28	10

Client Sample ID: AOPSH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-55

Matrix: Solid
Percent Solids: 86.4

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mocap	200	U	170	200	57	ug/Kg	☼	11/10/15 01:28	10
Ethyl Parathion	200	U	210	200	61	ug/Kg	☼	11/10/15 01:28	10
Famphur	92	U	150	92	37	ug/Kg	☼	11/10/15 01:28	10
Fensulfothion	200	U	290	200	94	ug/Kg	☼	11/10/15 01:28	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/10/15 01:28	10
Malathion	200	U	170	200	54	ug/Kg	☼	11/10/15 01:28	10
Merphos	200	U	350	200	59	ug/Kg	☼	11/10/15 01:28	10
Methyl parathion	200	U	230	200	73	ug/Kg	☼	11/10/15 01:28	10
Mevinphos	200	U	170	200	53	ug/Kg	☼	11/10/15 01:28	10
Phorate	200	U	230	200	66	ug/Kg	☼	11/10/15 01:28	10
Phosmet	770	U	770	770	220	ug/Kg	☼	11/10/15 01:28	10
Propazine	380	U	770	380	100	ug/Kg	☼	11/10/15 01:28	10
Ronnel	380	U	530	380	180	ug/Kg	☼	11/10/15 01:28	10
Simazine	770	U	770	770	250	ug/Kg	☼	11/10/15 01:28	10
Tetrachlorvinphos (Stirophos)	200	U	170	200	50	ug/Kg	☼	11/10/15 01:28	10
Sulfotepp	200	U	230	200	72	ug/Kg	☼	11/10/15 01:28	10
Thionazin	200	U	210	200	64	ug/Kg	☼	11/10/15 01:28	10
Tokuthion	92	U	230	92	45	ug/Kg	☼	11/10/15 01:28	10
Trichloronate	200	U	230	200	72	ug/Kg	☼	11/10/15 01:28	10
o,o',o''-Triethylphosphorothioate	200	U	450	200	91	ug/Kg	☼	11/10/15 01:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*104*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 01:28*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7700	U	8100	7700	2600	ug/Kg	☼	11/09/15 19:53	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*110*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 19:53*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.029	U	0.048	0.029	0.029	mg/Kg	☼	10/24/15 23:18	5
Dalapon	0.046	U	0.58	0.046	0.017	mg/Kg	☼	10/24/15 23:18	5
2,4-DB	0.029	U Q	0.048	0.029	0.017	mg/Kg	☼	10/24/15 23:18	5
Dicamba	0.029	U	0.048	0.029	0.011	mg/Kg	☼	10/24/15 23:18	5
Dichlorprop	0.012	U	0.048	0.012	0.0063	mg/Kg	☼	10/24/15 23:18	5
Dinoseb	0.029	U	0.29	0.029	0.027	mg/Kg	☼	10/24/15 23:18	5
MCPA	2.8	U	12	2.8	1.1	mg/Kg	☼	10/24/15 23:18	5
MCPP	2.8	U	12	2.8	0.98	mg/Kg	☼	10/24/15 23:18	5
Pentachlorophenol	0.0058	U	0.048	0.0058	0.0024	mg/Kg	☼	10/24/15 23:18	5
Silvex (2,4,5-TP)	0.029	U	0.048	0.029	0.0092	mg/Kg	☼	10/24/15 23:18	5
2,4,5-T	0.029	U	0.048	0.029	0.013	mg/Kg	☼	10/24/15 23:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*64*		*27 - 122*	*10/23/15 07:42*	*10/24/15 23:18*	*5*

Client Sample Results

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPCH501
Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-56
Matrix: Solid
Percent Solids: 86.5

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.52	mg/Kg	☼	10/26/15 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*137*	*Q*	*68 - 134*	*10/26/15 08:30*	*10/26/15 12:56*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180	U	200	180	130	mg/Kg	☼	10/28/15 12:36	10
Oil Range Organics (C20-C36)	1200	U	1200	1200	1200	mg/Kg	☼	10/28/15 12:36	10
JP-4 Fuel	390	U	390	390	390	mg/Kg	☼	10/28/15 12:36	10
JP-5	200	U	200	200	200	mg/Kg	☼	10/28/15 12:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 12:36*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.013	U	0.060	0.013	0.0053	mg/Kg	☼	10/30/15 22:54	10
alpha-BHC	0.013	U	0.060	0.013	0.0049	mg/Kg	☼	10/30/15 22:54	10
alpha-Chlordane	0.013	U	0.060	0.013	0.0063	mg/Kg	☼	10/30/15 22:54	10
beta-BHC	0.026	U	0.060	0.026	0.012	mg/Kg	☼	10/30/15 22:54	10
Chlordane (technical)	0.24	U	0.60	0.24	0.10	mg/Kg	☼	10/30/15 22:54	10
Chlorobenzilate	2.0	U Q	3.5	2.0	0.84	mg/Kg	☼	10/30/15 22:54	10
4,4'-DDD	0.013	U	0.060	0.013	0.0063	mg/Kg	☼	10/30/15 22:54	10
4,4'-DDE	**0.016**	**J D**	0.060	0.013	0.0063	mg/Kg	☼	10/30/15 22:54	10
4,4'-DDT	**0.0099**	**J D M**	0.060	0.018	0.0077	mg/Kg	☼	10/30/15 22:54	10
delta-BHC	0.018	U	0.060	0.018	0.0067	mg/Kg	☼	10/30/15 22:54	10
Dieldrin	0.013	U	0.060	0.013	0.0060	mg/Kg	☼	10/30/15 22:54	10
Endosulfan I	0.013	U	0.060	0.013	0.0060	mg/Kg	☼	10/30/15 22:54	10
Endosulfan II	0.013	U	0.060	0.013	0.0053	mg/Kg	☼	10/30/15 22:54	10
Endosulfan sulfate	0.018	U	0.060	0.018	0.0074	mg/Kg	☼	10/30/15 22:54	10
Endrin	0.018	U	0.060	0.018	0.0077	mg/Kg	☼	10/30/15 22:54	10
Endrin aldehyde	0.018	U	0.060	0.018	0.0077	mg/Kg	☼	10/30/15 22:54	10
Endrin ketone	0.018	U	0.060	0.018	0.0070	mg/Kg	☼	10/30/15 22:54	10
gamma-BHC (Lindane)	0.013	U	0.060	0.013	0.0049	mg/Kg	☼	10/30/15 22:54	10
gamma-Chlordane	0.013	U	0.060	0.013	0.0063	mg/Kg	☼	10/30/15 22:54	10
Heptachlor	0.018	U	0.060	0.018	0.0067	mg/Kg	☼	10/30/15 22:54	10
Heptachlor epoxide	0.013	U	0.060	0.013	0.0056	mg/Kg	☼	10/30/15 22:54	10
Isodrin	0.032	U	0.060	0.032	0.012	mg/Kg	☼	10/30/15 22:54	10
Kepone	1.2	U Q	3.5	1.2	0.46	mg/Kg	☼	10/30/15 22:54	10
Methoxychlor	0.026	U	0.060	0.026	0.0098	mg/Kg	☼	10/30/15 22:54	10
PCB-1016	0.81	U	1.2	0.81	0.39	mg/Kg	☼	10/30/15 22:54	10
PCB-1221	1.1	U	1.2	1.1	0.53	mg/Kg	☼	10/30/15 22:54	10
PCB-1232	0.46	U	1.2	0.46	0.18	mg/Kg	☼	10/30/15 22:54	10
PCB-1242	0.46	U	1.2	0.46	0.18	mg/Kg	☼	10/30/15 22:54	10
PCB-1248	0.70	U	1.2	0.70	0.29	mg/Kg	☼	10/30/15 22:54	10
PCB-1254	1.1	U	1.2	1.1	0.35	mg/Kg	☼	10/30/15 22:54	10
PCB-1260	0.81	U	1.2	0.81	0.34	mg/Kg	☼	10/30/15 22:54	10
Toxaphene	0.46	U	6.0	0.46	0.19	mg/Kg	☼	10/30/15 22:54	10

Client Sample ID: AOPCH501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-56

Matrix: Solid
Percent Solids: 86.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/23/15 11:50	10/30/15 22:54	10
Tetrachloro-m-xylene	0	D	46 - 130	10/23/15 11:50	10/30/15 22:54	10

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	380	U	770	380	140	ug/Kg	☼	11/10/15 01:58	10
Azinphos-ethyl	380	U	380	380	99	ug/Kg	☼	11/10/15 01:58	10
Azinphos-methyl	92	U	150	92	40	ug/Kg	☼	11/10/15 01:58	10
Bolstar	200	U	150	200	49	ug/Kg	☼	11/10/15 01:58	10
Chlorpyrifos	200	U	230	200	74	ug/Kg	☼	11/10/15 01:58	10
Coumaphos	92	U	150	92	32	ug/Kg	☼	11/10/15 01:58	10
Demeton-O	260	U	450	260	61	ug/Kg	☼	11/10/15 01:58	10
Demeton-S	110	U	170	110	56	ug/Kg	☼	11/10/15 01:58	10
Demeton, Total	200	U	450	200	86	ug/Kg	☼	11/10/15 01:58	10
Diazinon	200	U	250	200	83	ug/Kg	☼	11/10/15 01:58	10
Dichlorvos	200	U	260	200	85	ug/Kg	☼	11/10/15 01:58	10
Dimethoate	200	U	250	200	81	ug/Kg	☼	11/10/15 01:58	10
Disulfoton	200	U	550	200	89	ug/Kg	☼	11/10/15 01:58	10
EPN	92	U	150	92	42	ug/Kg	☼	11/10/15 01:58	10
Mocap	200	U	170	200	57	ug/Kg	☼	11/10/15 01:58	10
Ethyl Parathion	200	U	210	200	61	ug/Kg	☼	11/10/15 01:58	10
Famphur	92	U	150	92	37	ug/Kg	☼	11/10/15 01:58	10
Fensulfothion	200	U	290	200	94	ug/Kg	☼	11/10/15 01:58	10
Fenthion	380	U	380	380	100	ug/Kg	☼	11/10/15 01:58	10
Malathion	200	U	170	200	53	ug/Kg	☼	11/10/15 01:58	10
Merphos	200	U	340	200	59	ug/Kg	☼	11/10/15 01:58	10
Methyl parathion	200	U	230	200	73	ug/Kg	☼	11/10/15 01:58	10
Mevinphos	200	U	170	200	53	ug/Kg	☼	11/10/15 01:58	10
Phorate	200	U	230	200	65	ug/Kg	☼	11/10/15 01:58	10
Phosmet	770	U	770	770	220	ug/Kg	☼	11/10/15 01:58	10
Propazine	380	U	770	380	99	ug/Kg	☼	11/10/15 01:58	10
Ronnel	380	U	530	380	170	ug/Kg	☼	11/10/15 01:58	10
Simazine	770	U	770	770	250	ug/Kg	☼	11/10/15 01:58	10
Tetrachlorvinphos (Stirophos)	200	U	170	200	50	ug/Kg	☼	11/10/15 01:58	10
Sulfotepp	200	U	230	200	72	ug/Kg	☼	11/10/15 01:58	10
Thionazin	200	U	210	200	64	ug/Kg	☼	11/10/15 01:58	10
Tokuthion	92	U	230	92	45	ug/Kg	☼	11/10/15 01:58	10
Trichloronate	200	U	230	200	72	ug/Kg	☼	11/10/15 01:58	10
o,o',o''-Triethylphosphorothioate	200	U	450	200	90	ug/Kg	☼	11/10/15 01:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	69	D	47 - 161	10/25/15 11:20	11/10/15 01:58	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7700	U	8000	7700	2600	ug/Kg	☼	11/09/15 20:24	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	69	D	47 - 161	10/25/15 11:20	11/09/15 20:24	100

Client Sample ID: AOPCH501

Lab Sample ID: 680-117942-56

Date Collected: 10/12/15 17:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 86.5

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.058	U	0.096	0.058	0.058	mg/Kg	☼	10/25/15 00:31	10
Dalapon	0.092	U	1.2	0.092	0.033	mg/Kg	☼	10/25/15 00:31	10
2,4-DB	0.058	U Q	0.096	0.058	0.035	mg/Kg	☼	10/25/15 00:31	10
Dicamba	0.058	U	0.096	0.058	0.022	mg/Kg	☼	10/25/15 00:31	10
Dichlorprop	0.023	U	0.096	0.023	0.013	mg/Kg	☼	10/25/15 00:31	10
Dinoseb	0.058	U	0.58	0.058	0.053	mg/Kg	☼	10/25/15 00:31	10
MCPA	5.5	U	23	5.5	2.2	mg/Kg	☼	10/25/15 00:31	10
MCPP	5.5	U	23	5.5	2.0	mg/Kg	☼	10/25/15 00:31	10
Pentachlorophenol	0.012	U	0.096	0.012	0.0048	mg/Kg	☼	10/25/15 00:31	10
Silvex (2,4,5-TP)	0.058	U	0.096	0.058	0.018	mg/Kg	☼	10/25/15 00:31	10
2,4,5-T	0.058	U	0.096	0.058	0.027	mg/Kg	☼	10/25/15 00:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*0*	*D*	*27 - 122*	*10/23/15 07:42*	*10/25/15 00:31*	*10*

Client Sample ID: AOPSJ201

Lab Sample ID: 680-117942-57

Date Collected: 10/12/15 15:20
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 84.8

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U	1.2	1.2	0.48	mg/Kg	☼	10/26/15 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*126*		*68 - 134*	*10/26/15 08:30*	*10/26/15 13:19*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	87	U	96	87	61	mg/Kg	☼	10/28/15 12:50	5
Oil Range Organics (C20-C36)	580	U	580	580	580	mg/Kg	☼	10/28/15 12:50	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/28/15 12:50	5
JP-5	96	U	96	96	96	mg/Kg	☼	10/28/15 12:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 12:50*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0062	U	0.029	0.0062	0.0025	mg/Kg	☼	10/30/15 18:34	5
alpha-BHC	0.0062	U	0.029	0.0062	0.0024	mg/Kg	☼	10/30/15 18:34	5
alpha-Chlordane	0.0062	U	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 18:34	5
beta-BHC	0.012	U	0.029	0.012	0.0056	mg/Kg	☼	10/30/15 18:34	5
Chlordane (technical)	0.11	U	0.29	0.11	0.049	mg/Kg	☼	10/30/15 18:34	5
Chlorobenzilate	0.98	U	1.7	0.98	0.40	mg/Kg	☼	10/30/15 18:34	5
4,4'-DDD	0.0062	U	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 18:34	5
4,4'-DDE	**0.020**	**J D**	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 18:34	5
4,4'-DDT	0.0084	U	0.029	0.0084	0.0037	mg/Kg	☼	10/30/15 18:34	5
delta-BHC	0.0084	U	0.029	0.0084	0.0032	mg/Kg	☼	10/30/15 18:34	5
Dieldrin	0.0062	U	0.029	0.0062	0.0029	mg/Kg	☼	10/30/15 18:34	5
Endosulfan I	0.0062	U	0.029	0.0062	0.0029	mg/Kg	☼	10/30/15 18:34	5
Endosulfan II	0.0062	U	0.029	0.0062	0.0025	mg/Kg	☼	10/30/15 18:34	5

Client Sample ID: AOPSJ201

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57

Matrix: Solid
Percent Solids: 84.8

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.0084	U	0.029	0.0084	0.0035	mg/Kg	☼	10/30/15 18:34	5
Endrin	0.0084	U	0.029	0.0084	0.0037	mg/Kg	☼	10/30/15 18:34	5
Endrin aldehyde	0.0084	U	0.029	0.0084	0.0037	mg/Kg	☼	10/30/15 18:34	5
Endrin ketone	0.0084	U	0.029	0.0084	0.0034	mg/Kg	☼	10/30/15 18:34	5
gamma-BHC (Lindane)	0.0062	U	0.029	0.0062	0.0024	mg/Kg	☼	10/30/15 18:34	5
gamma-Chlordane	0.0062	U	0.029	0.0062	0.0030	mg/Kg	☼	10/30/15 18:34	5
Heptachlor	0.0084	U	0.029	0.0084	0.0032	mg/Kg	☼	10/30/15 18:34	5
Heptachlor epoxide	0.0062	U	0.029	0.0062	0.0027	mg/Kg	☼	10/30/15 18:34	5
Isodrin	0.015	U	0.029	0.015	0.0057	mg/Kg	☼	10/30/15 18:34	5
Kepone	0.59	U	1.7	0.59	0.22	mg/Kg	☼	10/30/15 18:34	5
Methoxychlor	0.012	U	0.029	0.012	0.0047	mg/Kg	☼	10/30/15 18:34	5
PCB-1016	0.39	U	0.56	0.39	0.19	mg/Kg	☼	10/30/15 18:34	5
PCB-1221	0.50	U	0.56	0.50	0.25	mg/Kg	☼	10/30/15 18:34	5
PCB-1232	0.22	U	0.56	0.22	0.087	mg/Kg	☼	10/30/15 18:34	5
PCB-1242	0.22	U	0.56	0.22	0.084	mg/Kg	☼	10/30/15 18:34	5
PCB-1248	0.34	U	0.56	0.34	0.14	mg/Kg	☼	10/30/15 18:34	5
PCB-1254	0.50	U	0.56	0.50	0.17	mg/Kg	☼	10/30/15 18:34	5
PCB-1260	0.39	U	0.56	0.39	0.16	mg/Kg	☼	10/30/15 18:34	5
Toxaphene	0.22	U	2.9	0.22	0.093	mg/Kg	☼	10/30/15 18:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*44 - 129*	*10/23/15 11:50*	*10/30/15 18:34*	*5*
Tetrachloro-m-xylene	*81*		*46 - 130*	*10/23/15 11:50*	*10/30/15 18:34*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	740	360	130	ug/Kg	☼	11/10/15 02:29	10
Azinphos-ethyl	360	U	360	360	95	ug/Kg	☼	11/10/15 02:29	10
Azinphos-methyl	88	U	140	88	39	ug/Kg	☼	11/10/15 02:29	10
Bolstar	190	U	140	190	47	ug/Kg	☼	11/10/15 02:29	10
Chlorpyrifos	190	U	220	190	71	ug/Kg	☼	11/10/15 02:29	10
Coumaphos	88	U	140	88	31	ug/Kg	☼	11/10/15 02:29	10
Demeton-O	250	U	430	250	58	ug/Kg	☼	11/10/15 02:29	10
Demeton-S	110	U	170	110	54	ug/Kg	☼	11/10/15 02:29	10
Demeton, Total	190	U	430	190	83	ug/Kg	☼	11/10/15 02:29	10
Diazinon	190	U	240	190	80	ug/Kg	☼	11/10/15 02:29	10
Dichlorvos	190	U	250	190	82	ug/Kg	☼	11/10/15 02:29	10
Dimethoate	190	U	240	190	78	ug/Kg	☼	11/10/15 02:29	10
Disulfoton	190	U	530	190	85	ug/Kg	☼	11/10/15 02:29	10
EPN	88	U	140	88	41	ug/Kg	☼	11/10/15 02:29	10
Mocap	190	U	170	190	54	ug/Kg	☼	11/10/15 02:29	10
Ethyl Parathion	190	U	200	190	58	ug/Kg	☼	11/10/15 02:29	10
Famphur	88	U	140	88	36	ug/Kg	☼	11/10/15 02:29	10
Fensulfothion	190	U	280	190	90	ug/Kg	☼	11/10/15 02:29	10
Fenthion	360	U	360	360	96	ug/Kg	☼	11/10/15 02:29	10
Malathion	190	U	170	190	51	ug/Kg	☼	11/10/15 02:29	10
Merphos	190	U	330	190	57	ug/Kg	☼	11/10/15 02:29	10
Methyl parathion	190	U	220	190	70	ug/Kg	☼	11/10/15 02:29	10
Mevinphos	190	U	170	190	51	ug/Kg	☼	11/10/15 02:29	10
Phorate	190	U	220	190	63	ug/Kg	☼	11/10/15 02:29	10

Client Sample ID: AOPSJ201

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57

Matrix: Solid
Percent Solids: 84.8

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phosmet	740	U	740	740	210	ug/Kg	☼	11/10/15 02:29	10
Propazine	360	U	740	360	95	ug/Kg	☼	11/10/15 02:29	10
Ronnel	360	U	510	360	170	ug/Kg	☼	11/10/15 02:29	10
Simazine	740	U	740	740	240	ug/Kg	☼	11/10/15 02:29	10
Tetrachlorvinphos (Stirophos)	190	U	170	190	48	ug/Kg	☼	11/10/15 02:29	10
Sulfotepp	190	U	220	190	69	ug/Kg	☼	11/10/15 02:29	10
Thionazin	190	U	200	190	61	ug/Kg	☼	11/10/15 02:29	10
Tokuthion	88	U	220	88	43	ug/Kg	☼	11/10/15 02:29	10
Trichloronate	190	U	220	190	69	ug/Kg	☼	11/10/15 02:29	10
o,o',o''-Triethylphosphorothioate	190	U	430	190	87	ug/Kg	☼	11/10/15 02:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*100*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 02:29*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7400	U	7700	7400	2500	ug/Kg	☼	11/09/15 20:54	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*84*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 20:54*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0059	U	0.0097	0.0059	0.0059	mg/Kg	☼	10/24/15 22:24	1
Dalapon	0.0094	U	0.12	0.0094	0.0034	mg/Kg	☼	10/24/15 22:24	1
2,4-DB	0.0059	U Q	0.0097	0.0059	0.0035	mg/Kg	☼	10/24/15 22:24	1
Dicamba	0.0059	U	0.0097	0.0059	0.0022	mg/Kg	☼	10/24/15 22:24	1
Dichlorprop	0.0023	U	0.0097	0.0023	0.0013	mg/Kg	☼	10/24/15 22:24	1
Dinoseb	0.0059	U	0.059	0.0059	0.0054	mg/Kg	☼	10/24/15 22:24	1
MCPA	0.56	U	2.3	0.56	0.22	mg/Kg	☼	10/24/15 22:24	1
MCPP	0.56	U	2.3	0.56	0.20	mg/Kg	☼	10/24/15 22:24	1
Pentachlorophenol	0.0012	U	0.0097	0.0012	0.00049	mg/Kg	☼	10/24/15 22:24	1
Silvex (2,4,5-TP)	0.0059	U	0.0097	0.0059	0.0019	mg/Kg	☼	10/24/15 22:24	1
2,4,5-T	0.0059	U	0.0097	0.0059	0.0027	mg/Kg	☼	10/24/15 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*70*		*27 - 122*	*10/23/15 07:42*	*10/24/15 22:24*	*1*

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.1	U	1.1	1.1	0.46	mg/Kg	☼	10/26/15 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*68 - 134*	*10/26/15 08:30*	*10/26/15 13:43*	*1*

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	82	U	90	82	57	mg/Kg	☼	10/28/15 13:05	5
Oil Range Organics (C20-C36)	550	U	550	550	550	mg/Kg	☼	10/28/15 13:05	5
JP-4 Fuel	180	U	180	180	180	mg/Kg	☼	10/28/15 13:05	5
JP-5	90	U	90	90	90	mg/Kg	☼	10/28/15 13:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 13:05*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0060	U	0.028	0.0060	0.0024	mg/Kg	☼	10/30/15 18:49	5
alpha-BHC	0.0060	U	0.028	0.0060	0.0023	mg/Kg	☼	10/30/15 18:49	5
alpha-Chlordane	0.0060	U	0.028	0.0060	0.0029	mg/Kg	☼	10/30/15 18:49	5
beta-BHC	0.012	U	0.028	0.012	0.0054	mg/Kg	☼	10/30/15 18:49	5
Chlordane (technical)	0.11	U	0.28	0.11	0.047	mg/Kg	☼	10/30/15 18:49	5
Chlorobenzilate	0.94	U	1.6	0.94	0.39	mg/Kg	☼	10/30/15 18:49	5
4,4'-DDD	0.0060	U	0.028	0.0060	0.0029	mg/Kg	☼	10/30/15 18:49	5
4,4'-DDE	**0.0099**	**J D**	0.028	0.0060	0.0029	mg/Kg	☼	10/30/15 18:49	5
4,4'-DDT	0.0081	U	0.028	0.0081	0.0036	mg/Kg	☼	10/30/15 18:49	5
delta-BHC	0.0081	U	0.028	0.0081	0.0031	mg/Kg	☼	10/30/15 18:49	5
Dieldrin	0.0060	U	0.028	0.0060	0.0028	mg/Kg	☼	10/30/15 18:49	5
Endosulfan I	0.0060	U	0.028	0.0060	0.0028	mg/Kg	☼	10/30/15 18:49	5
Endosulfan II	0.0060	U	0.028	0.0060	0.0024	mg/Kg	☼	10/30/15 18:49	5
Endosulfan sulfate	0.0081	U	0.028	0.0081	0.0034	mg/Kg	☼	10/30/15 18:49	5
Endrin	0.0081	U	0.028	0.0081	0.0036	mg/Kg	☼	10/30/15 18:49	5
Endrin aldehyde	0.0081	U	0.028	0.0081	0.0036	mg/Kg	☼	10/30/15 18:49	5
Endrin ketone	0.0081	U	0.028	0.0081	0.0032	mg/Kg	☼	10/30/15 18:49	5
gamma-BHC (Lindane)	0.0060	U	0.028	0.0060	0.0023	mg/Kg	☼	10/30/15 18:49	5
gamma-Chlordane	0.0060	U	0.028	0.0060	0.0029	mg/Kg	☼	10/30/15 18:49	5
Heptachlor	0.0081	U	0.028	0.0081	0.0031	mg/Kg	☼	10/30/15 18:49	5
Heptachlor epoxide	0.0060	U	0.028	0.0060	0.0026	mg/Kg	☼	10/30/15 18:49	5
Isodrin	0.015	U	0.028	0.015	0.0055	mg/Kg	☼	10/30/15 18:49	5
Kepone	0.57	U	1.6	0.57	0.21	mg/Kg	☼	10/30/15 18:49	5
Methoxychlor	0.012	U	0.028	0.012	0.0045	mg/Kg	☼	10/30/15 18:49	5
PCB-1016	0.37	U	0.54	0.37	0.18	mg/Kg	☼	10/30/15 18:49	5
PCB-1221	0.49	U	0.54	0.49	0.24	mg/Kg	☼	10/30/15 18:49	5
PCB-1232	0.21	U	0.54	0.21	0.084	mg/Kg	☼	10/30/15 18:49	5
PCB-1242	0.21	U	0.54	0.21	0.081	mg/Kg	☼	10/30/15 18:49	5
PCB-1248	0.32	U	0.54	0.32	0.13	mg/Kg	☼	10/30/15 18:49	5
PCB-1254	0.49	U	0.54	0.49	0.16	mg/Kg	☼	10/30/15 18:49	5
PCB-1260	0.37	U	0.54	0.37	0.16	mg/Kg	☼	10/30/15 18:49	5
Toxaphene	0.21	U	2.8	0.21	0.089	mg/Kg	☼	10/30/15 18:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*44 - 129*	*10/23/15 11:50*	*10/30/15 18:49*	*5*
Tetrachloro-m-xylene	*92*		*46 - 130*	*10/23/15 11:50*	*10/30/15 18:49*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	740	360	130	ug/Kg	☼	11/10/15 02:59	10

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Azinphos-ethyl	360	U	360	360	95	ug/Kg	☼	11/10/15 02:59	10
Azinphos-methyl	88	U	140	88	38	ug/Kg	☼	11/10/15 02:59	10
Bolstar	190	U	140	190	47	ug/Kg	☼	11/10/15 02:59	10
Chlorpyrifos	190	U	220	190	71	ug/Kg	☼	11/10/15 02:59	10
Coumaphos	88	U	140	88	31	ug/Kg	☼	11/10/15 02:59	10
Demeton-O	250	U	430	250	58	ug/Kg	☼	11/10/15 02:59	10
Demeton-S	110	U	160	110	53	ug/Kg	☼	11/10/15 02:59	10
Demeton, Total	190	U	430	190	83	ug/Kg	☼	11/10/15 02:59	10
Diazinon	190	U	240	190	80	ug/Kg	☼	11/10/15 02:59	10
Dichlorvos	190	U	250	190	81	ug/Kg	☼	11/10/15 02:59	10
Dimethoate	190	U	240	190	78	ug/Kg	☼	11/10/15 02:59	10
Disulfoton	190	U	530	190	85	ug/Kg	☼	11/10/15 02:59	10
EPN	88	U	140	88	40	ug/Kg	☼	11/10/15 02:59	10
Mocap	190	U	160	190	54	ug/Kg	☼	11/10/15 02:59	10
Ethyl Parathion	190	U	200	190	58	ug/Kg	☼	11/10/15 02:59	10
Famphur	88	U	140	88	35	ug/Kg	☼	11/10/15 02:59	10
Fensulfothion	190	U	270	190	89	ug/Kg	☼	11/10/15 02:59	10
Fenthion	360	U	360	360	96	ug/Kg	☼	11/10/15 02:59	10
Malathion	190	U	160	190	51	ug/Kg	☼	11/10/15 02:59	10
Merphos	190	U	330	190	56	ug/Kg	☼	11/10/15 02:59	10
Methyl parathion	190	U	220	190	70	ug/Kg	☼	11/10/15 02:59	10
Mevinphos	190	U	160	190	51	ug/Kg	☼	11/10/15 02:59	10
Phorate	190	U	220	190	63	ug/Kg	☼	11/10/15 02:59	10
Phosmet	740	U	740	740	210	ug/Kg	☼	11/10/15 02:59	10
Propazine	360	U	740	360	95	ug/Kg	☼	11/10/15 02:59	10
Ronnel	360	U	500	360	170	ug/Kg	☼	11/10/15 02:59	10
Simazine	740	U	740	740	240	ug/Kg	☼	11/10/15 02:59	10
Tetrachlorvinphos (Stirophos)	190	U	160	190	48	ug/Kg	☼	11/10/15 02:59	10
Sulfotepp	190	U	220	190	69	ug/Kg	☼	11/10/15 02:59	10
Thionazin	190	U	200	190	61	ug/Kg	☼	11/10/15 02:59	10
Tokuthion	88	U	220	88	43	ug/Kg	☼	11/10/15 02:59	10
Trichloronate	190	U	220	190	69	ug/Kg	☼	11/10/15 02:59	10
o,o',o''-Triethylphosphorothioate	190	U	430	190	86	ug/Kg	☼	11/10/15 02:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*101*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 02:59*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7400	U	7700	7400	2500	ug/Kg	☼	11/09/15 21:25	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*80*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 21:25*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0056	U	0.0093	0.0056	0.0056	mg/Kg	☼	10/24/15 18:45	1
Dalapon	0.0090	U	0.11	0.0090	0.0033	mg/Kg	☼	10/24/15 18:45	1
2,4-DB	0.0056	U Q	0.0093	0.0056	0.0034	mg/Kg	☼	10/24/15 18:45	1
Dicamba	0.0056	U	0.0093	0.0056	0.0021	mg/Kg	☼	10/24/15 18:45	1

Client Sample ID: AOPSK201

Lab Sample ID: 680-117942-58
Date Collected: 10/12/15 14:57
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 88.8

Method: 8151A DOD - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dichlorprop	0.0023	U	0.0093	0.0023	0.0012	mg/Kg	☼	10/24/15 18:45	1
Dinoseb	0.0056	U	0.056	0.0056	0.0052	mg/Kg	☼	10/24/15 18:45	1
MCPA	0.54	U	2.3	0.54	0.21	mg/Kg	☼	10/24/15 18:45	1
MCPP	0.54	U	2.3	0.54	0.19	mg/Kg	☼	10/24/15 18:45	1
Pentachlorophenol	0.0011	U	0.0093	0.0011	0.00047	mg/Kg	☼	10/24/15 18:45	1
Silvex (2,4,5-TP)	0.0056	U	0.0093	0.0056	0.0018	mg/Kg	☼	10/24/15 18:45	1
2,4,5-T	0.0056	U	0.0093	0.0056	0.0026	mg/Kg	☼	10/24/15 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*63*		*27 - 122*	*10/23/15 07:42*	*10/24/15 18:45*	*1*

Client Sample ID: AOPSK301

Lab Sample ID: 680-117942-59
Date Collected: 10/12/15 15:05
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 89.6

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U	1.3	1.3	0.53	mg/Kg	☼	10/26/15 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*68 - 134*	*10/26/15 08:30*	*10/26/15 14:06*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160	U	180	160	110	mg/Kg	☼	10/28/15 13:20	10
Oil Range Organics (C20-C36)	1100	U	1100	1100	1100	mg/Kg	☼	10/28/15 13:20	10
JP-4 Fuel	350	U	350	350	350	mg/Kg	☼	10/28/15 13:20	10
JP-5	180	U	180	180	180	mg/Kg	☼	10/28/15 13:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 10:29*	*10/28/15 13:20*	*10*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0063	U	0.029	0.0063	0.0026	mg/Kg	☼	10/30/15 19:05	5
alpha-BHC	0.0063	U	0.029	0.0063	0.0024	mg/Kg	☼	10/30/15 19:05	5
alpha-Chlordane	0.0063	U	0.029	0.0063	0.0031	mg/Kg	☼	10/30/15 19:05	5
beta-BHC	0.012	U	0.029	0.012	0.0056	mg/Kg	☼	10/30/15 19:05	5
Chlordane (technical)	0.11	U	0.29	0.11	0.049	mg/Kg	☼	10/30/15 19:05	5
Chlorobenzilate	0.99	U	1.7	0.99	0.41	mg/Kg	☼	10/30/15 19:05	5
4,4'-DDD	0.0063	U	0.029	0.0063	0.0031	mg/Kg	☼	10/30/15 19:05	5
4,4'-DDE	**0.034**	**D**	0.029	0.0063	0.0031	mg/Kg	☼	10/30/15 19:05	5
4,4'-DDT	**0.013**	**J D**	0.029	0.0085	0.0038	mg/Kg	☼	10/30/15 19:05	5
delta-BHC	0.0085	U	0.029	0.0085	0.0032	mg/Kg	☼	10/30/15 19:05	5
Dieldrin	0.0063	U	0.029	0.0063	0.0029	mg/Kg	☼	10/30/15 19:05	5
Endosulfan I	0.0063	U	0.029	0.0063	0.0029	mg/Kg	☼	10/30/15 19:05	5
Endosulfan II	0.0063	U	0.029	0.0063	0.0026	mg/Kg	☼	10/30/15 19:05	5
Endosulfan sulfate	0.0085	U	0.029	0.0085	0.0036	mg/Kg	☼	10/30/15 19:05	5
Endrin	0.0085	U	0.029	0.0085	0.0038	mg/Kg	☼	10/30/15 19:05	5
Endrin aldehyde	0.0085	U	0.029	0.0085	0.0038	mg/Kg	☼	10/30/15 19:05	5
Endrin ketone	0.0085	U	0.029	0.0085	0.0034	mg/Kg	☼	10/30/15 19:05	5

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid
Percent Solids: 89.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0063	U	0.029	0.0063	0.0024	mg/Kg	☼	10/30/15 19:05	5
gamma-Chlordane	**0.0045**	**J D**	0.029	0.0063	0.0031	mg/Kg	☼	10/30/15 19:05	5
Heptachlor	0.0085	U	0.029	0.0085	0.0032	mg/Kg	☼	10/30/15 19:05	5
Heptachlor epoxide	0.0063	U	0.029	0.0063	0.0027	mg/Kg	☼	10/30/15 19:05	5
Isodrin	0.016	U	0.029	0.016	0.0058	mg/Kg	☼	10/30/15 19:05	5
Kepone	0.60	U	1.7	0.60	0.22	mg/Kg	☼	10/30/15 19:05	5
Methoxychlor	0.012	U	0.029	0.012	0.0048	mg/Kg	☼	10/30/15 19:05	5
PCB-1016	0.39	U	0.56	0.39	0.19	mg/Kg	☼	10/30/15 19:05	5
PCB-1221	0.51	U	0.56	0.51	0.26	mg/Kg	☼	10/30/15 19:05	5
PCB-1232	0.22	U	0.56	0.22	0.089	mg/Kg	☼	10/30/15 19:05	5
PCB-1242	0.22	U	0.56	0.22	0.085	mg/Kg	☼	10/30/15 19:05	5
PCB-1248	0.34	U	0.56	0.34	0.14	mg/Kg	☼	10/30/15 19:05	5
PCB-1254	0.51	U	0.56	0.51	0.17	mg/Kg	☼	10/30/15 19:05	5
PCB-1260	0.39	U	0.56	0.39	0.16	mg/Kg	☼	10/30/15 19:05	5
Toxaphene	0.22	U	2.9	0.22	0.094	mg/Kg	☼	10/30/15 19:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*44 - 129*	*10/23/15 11:50*	*10/30/15 19:05*	*5*
Tetrachloro-m-xylene	*76*		*46 - 130*	*10/23/15 11:50*	*10/30/15 19:05*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	340	U	690	340	130	ug/Kg	☼	11/10/15 03:29	10
Azinphos-ethyl	340	U	340	340	90	ug/Kg	☼	11/10/15 03:29	10
Azinphos-methyl	83	U	130	83	36	ug/Kg	☼	11/10/15 03:29	10
Bolstar	180	U	130	180	44	ug/Kg	☼	11/10/15 03:29	10
Chlorpyrifos	180	U	210	180	67	ug/Kg	☼	11/10/15 03:29	10
Coumaphos	83	U	130	83	29	ug/Kg	☼	11/10/15 03:29	10
Demeton-O	240	U	400	240	55	ug/Kg	☼	11/10/15 03:29	10
Demeton-S	100	U	160	100	50	ug/Kg	☼	11/10/15 03:29	10
Demeton, Total	180	U	400	180	78	ug/Kg	☼	11/10/15 03:29	10
Diazinon	180	U	230	180	75	ug/Kg	☼	11/10/15 03:29	10
Dichlorvos	180	U	240	180	77	ug/Kg	☼	11/10/15 03:29	10
Dimethoate	180	U	230	180	73	ug/Kg	☼	11/10/15 03:29	10
Disulfoton	180	U	500	180	80	ug/Kg	☼	11/10/15 03:29	10
EPN	83	U	130	83	38	ug/Kg	☼	11/10/15 03:29	10
Mocap	180	U	160	180	51	ug/Kg	☼	11/10/15 03:29	10
Ethyl Parathion	180	U	190	180	55	ug/Kg	☼	11/10/15 03:29	10
Famphur	83	U	130	83	33	ug/Kg	☼	11/10/15 03:29	10
Fensulfothion	180	U	260	180	84	ug/Kg	☼	11/10/15 03:29	10
Fenthion	340	U	340	340	91	ug/Kg	☼	11/10/15 03:29	10
Malathion	180	U	160	180	48	ug/Kg	☼	11/10/15 03:29	10
Merphos	180	U	310	180	53	ug/Kg	☼	11/10/15 03:29	10
Methyl parathion	180	U	210	180	66	ug/Kg	☼	11/10/15 03:29	10
Mevinphos	180	U	160	180	48	ug/Kg	☼	11/10/15 03:29	10
Phorate	180	U	210	180	59	ug/Kg	☼	11/10/15 03:29	10
Phosmet	690	U	690	690	200	ug/Kg	☼	11/10/15 03:29	10
Propazine	340	U	690	340	89	ug/Kg	☼	11/10/15 03:29	10
Ronnel	340	U	480	340	160	ug/Kg	☼	11/10/15 03:29	10
Simazine	690	U	690	690	230	ug/Kg	☼	11/10/15 03:29	10

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid
Percent Solids: 89.6

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Tetrachlorvinphos (Stirophos)	180	U	160	180	45	ug/Kg	☼	11/10/15 03:29	10
Sulfotepp	180	U	210	180	65	ug/Kg	☼	11/10/15 03:29	10
Thionazin	180	U	190	180	58	ug/Kg	☼	11/10/15 03:29	10
Tokuthion	83	U	210	83	41	ug/Kg	☼	11/10/15 03:29	10
Trichloronate	180	U	210	180	65	ug/Kg	☼	11/10/15 03:29	10
o,o',o''-Triethylphosphorothioate	180	U	400	180	81	ug/Kg	☼	11/10/15 03:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*122*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 03:29*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6900	U	7300	6900	2300	ug/Kg	☼	11/09/15 21:55	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*94*	*D*	*47 - 161*	*10/25/15 11:20*	*11/09/15 21:55*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0056	U	0.0092	0.0056	0.0056	mg/Kg	☼	10/24/15 22:42	1
Dalapon	0.0089	U	0.11	0.0089	0.0032	mg/Kg	☼	10/24/15 22:42	1
2,4-DB	0.0056	U Q	0.0092	0.0056	0.0033	mg/Kg	☼	10/24/15 22:42	1
Dicamba	0.0056	U	0.0092	0.0056	0.0021	mg/Kg	☼	10/24/15 22:42	1
Dichlorprop	0.0022	U	0.0092	0.0022	0.0012	mg/Kg	☼	10/24/15 22:42	1
Dinoseb	0.0056	U	0.056	0.0056	0.0051	mg/Kg	☼	10/24/15 22:42	1
MCPA	0.53	U	2.2	0.53	0.21	mg/Kg	☼	10/24/15 22:42	1
MCPP	0.53	U	2.2	0.53	0.19	mg/Kg	☼	10/24/15 22:42	1
Pentachlorophenol	0.0011	U	0.0092	0.0011	0.00047	mg/Kg	☼	10/24/15 22:42	1
Silvex (2,4,5-TP)	0.0056	U	0.0092	0.0056	0.0018	mg/Kg	☼	10/24/15 22:42	1
2,4,5-T	0.0056	U	0.0092	0.0056	0.0026	mg/Kg	☼	10/24/15 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*71*		*27 - 122*	*10/23/15 07:42*	*10/24/15 22:42*	*1*

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.6	U	1.6	1.6	0.63	mg/Kg	☼	10/26/15 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*124*		*68 - 134*	*10/26/15 08:30*	*10/26/15 14:30*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	240	U	260	240	170	mg/Kg	☼	10/28/15 13:35	10
Oil Range Organics (C20-C36)	1600	U	1600	1600	1600	mg/Kg	☼	10/28/15 13:35	10
JP-4 Fuel	530	U	530	530	530	mg/Kg	☼	10/28/15 13:35	10
JP-5	260	U	260	260	260	mg/Kg	☼	10/28/15 13:35	10

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	0	D	45 - 130	10/23/15 10:29	10/28/15 13:35	10

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.017	U	0.080	0.017	0.0070	mg/Kg	☼	10/30/15 22:09	10
alpha-BHC	0.017	U	0.080	0.017	0.0066	mg/Kg	☼	10/30/15 22:09	10
alpha-Chlordane	0.017	U	0.080	0.017	0.0085	mg/Kg	☼	10/30/15 22:09	10
beta-BHC	0.034	U	0.080	0.034	0.015	mg/Kg	☼	10/30/15 22:09	10
Chlordane (technical)	0.31	U	0.80	0.31	0.14	mg/Kg	☼	10/30/15 22:09	10
Chlorobenzilate	2.7	U Q	4.7	2.7	1.1	mg/Kg	☼	10/30/15 22:09	10
4,4'-DDD	0.017	U	0.080	0.017	0.0085	mg/Kg	☼	10/30/15 22:09	10
4,4'-DDE	0.017	U	0.080	0.017	0.0085	mg/Kg	☼	10/30/15 22:09	10
4,4'-DDT	0.023	U	0.080	0.023	0.010	mg/Kg	☼	10/30/15 22:09	10
delta-BHC	0.023	U	0.080	0.023	0.0089	mg/Kg	☼	10/30/15 22:09	10
Dieldrin	0.017	U	0.080	0.017	0.0080	mg/Kg	☼	10/30/15 22:09	10
Endosulfan I	0.017	U	0.080	0.017	0.0080	mg/Kg	☼	10/30/15 22:09	10
Endosulfan II	0.017	U	0.080	0.017	0.0070	mg/Kg	☼	10/30/15 22:09	10
Endosulfan sulfate	0.023	U	0.080	0.023	0.0099	mg/Kg	☼	10/30/15 22:09	10
Endrin	0.023	U	0.080	0.023	0.010	mg/Kg	☼	10/30/15 22:09	10
Endrin aldehyde	0.023	U	0.080	0.023	0.010	mg/Kg	☼	10/30/15 22:09	10
Endrin ketone	0.023	U	0.080	0.023	0.0094	mg/Kg	☼	10/30/15 22:09	10
gamma-BHC (Lindane)	0.017	U	0.080	0.017	0.0066	mg/Kg	☼	10/30/15 22:09	10
gamma-Chlordane	0.017	U	0.080	0.017	0.0085	mg/Kg	☼	10/30/15 22:09	10
Heptachlor	0.023	U	0.080	0.023	0.0089	mg/Kg	☼	10/30/15 22:09	10
Heptachlor epoxide	0.017	U	0.080	0.017	0.0075	mg/Kg	☼	10/30/15 22:09	10
Isodrin	0.043	U	0.080	0.043	0.016	mg/Kg	☼	10/30/15 22:09	10
Kepone	1.6	U Q	4.7	1.6	0.61	mg/Kg	☼	10/30/15 22:09	10
Methoxychlor	0.034	U	0.080	0.034	0.013	mg/Kg	☼	10/30/15 22:09	10
PCB-1016	1.1	U	1.5	1.1	0.52	mg/Kg	☼	10/30/15 22:09	10
PCB-1221	1.4	U	1.5	1.4	0.70	mg/Kg	☼	10/30/15 22:09	10
PCB-1232	0.61	U	1.5	0.61	0.24	mg/Kg	☼	10/30/15 22:09	10
PCB-1242	0.61	U	1.5	0.61	0.23	mg/Kg	☼	10/30/15 22:09	10
PCB-1248	0.94	U	1.5	0.94	0.39	mg/Kg	☼	10/30/15 22:09	10
PCB-1254	1.4	U	1.5	1.4	0.47	mg/Kg	☼	10/30/15 22:09	10
PCB-1260	1.1	U	1.5	1.1	0.45	mg/Kg	☼	10/30/15 22:09	10
Toxaphene	0.61	U	8.0	0.61	0.26	mg/Kg	☼	10/30/15 22:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/23/15 11:50	10/30/15 22:09	10
Tetrachloro-m-xylene	0	D	46 - 130	10/23/15 11:50	10/30/15 22:09	10

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	490	U	990	490	180	ug/Kg	☼	11/10/15 04:00	10
Azinphos-ethyl	490	U	490	490	130	ug/Kg	☼	11/10/15 04:00	10
Azinphos-methyl	120	U	190	120	52	ug/Kg	☼	11/10/15 04:00	10
Bolstar	250	U	190	250	62	ug/Kg	☼	11/10/15 04:00	10
Chlorpyrifos	250	U	290	250	95	ug/Kg	☼	11/10/15 04:00	10
Coumaphos	120	U	190	120	41	ug/Kg	☼	11/10/15 04:00	10
Demeton-O	340	U	570	340	78	ug/Kg	☼	11/10/15 04:00	10
Demeton-S	150	U	220	150	72	ug/Kg	☼	11/10/15 04:00	10

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Demeton, Total	250	U	570	250	110	ug/Kg	☼	11/10/15 04:00	10
Diazinon	250	U	320	250	110	ug/Kg	☼	11/10/15 04:00	10
Dichlorvos	250	U	340	250	110	ug/Kg	☼	11/10/15 04:00	10
Dimethoate	250	U	320	250	100	ug/Kg	☼	11/10/15 04:00	10
Disulfoton	250	U	710	250	110	ug/Kg	☼	11/10/15 04:00	10
EPN	120	U	190	120	54	ug/Kg	☼	11/10/15 04:00	10
Mocap	250	U	220	250	73	ug/Kg	☼	11/10/15 04:00	10
Ethyl Parathion	250	U	270	250	78	ug/Kg	☼	11/10/15 04:00	10
Famphur	120	U	190	120	47	ug/Kg	☼	11/10/15 04:00	10
Fensulfothion	250	U	370	250	120	ug/Kg	☼	11/10/15 04:00	10
Fenthion	490	U	490	490	130	ug/Kg	☼	11/10/15 04:00	10
Malathion	250	U	220	250	68	ug/Kg	☼	11/10/15 04:00	10
Merphos	250	U	440	250	76	ug/Kg	☼	11/10/15 04:00	10
Methyl parathion	250	U	290	250	94	ug/Kg	☼	11/10/15 04:00	10
Mevinphos	250	U	220	250	68	ug/Kg	☼	11/10/15 04:00	10
Phorate	250	U	290	250	84	ug/Kg	☼	11/10/15 04:00	10
Phosmet	990	U	990	990	280	ug/Kg	☼	11/10/15 04:00	10
Propazine	490	U	990	490	130	ug/Kg	☼	11/10/15 04:00	10
Ronnel	490	U	680	490	220	ug/Kg	☼	11/10/15 04:00	10
Simazine	990	U	990	990	330	ug/Kg	☼	11/10/15 04:00	10
Tetrachlorvinphos (Stirophos)	250	U	220	250	64	ug/Kg	☼	11/10/15 04:00	10
Sulfotepp	250	U	290	250	92	ug/Kg	☼	11/10/15 04:00	10
Thionazin	250	U	270	250	82	ug/Kg	☼	11/10/15 04:00	10
Tokuthion	120	U	290	120	58	ug/Kg	☼	11/10/15 04:00	10
Trichloronate	250	U	290	250	92	ug/Kg	☼	11/10/15 04:00	10
o,o',o''-Triethylphosphorothioate	250	U	570	250	120	ug/Kg	☼	11/10/15 04:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*78*	*D*	*47 - 161*	*10/25/15 11:20*	*11/10/15 04:00*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	99	U	100	99	33	ug/Kg	☼	11/09/15 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*0.6*	*D Q*	*47 - 161*	*10/25/15 11:20*	*11/09/15 22:25*	*1*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.077	U	0.13	0.077	0.077	mg/Kg	☼	10/25/15 00:49	10
Dalapon	0.12	U	1.5	0.12	0.045	mg/Kg	☼	10/25/15 00:49	10
2,4-DB	0.077	U Q	0.13	0.077	0.046	mg/Kg	☼	10/25/15 00:49	10
Dicamba	0.077	U	0.13	0.077	0.029	mg/Kg	☼	10/25/15 00:49	10
Dichlorprop	0.031	U	0.13	0.031	0.017	mg/Kg	☼	10/25/15 00:49	10
Dinoseb	0.077	U	0.77	0.077	0.071	mg/Kg	☼	10/25/15 00:49	10
MCPA	7.4	U	31	7.4	2.9	mg/Kg	☼	10/25/15 00:49	10
MCPP	7.4	U	31	7.4	2.6	mg/Kg	☼	10/25/15 00:49	10
Pentachlorophenol	0.015	U	0.13	0.015	0.0065	mg/Kg	☼	10/25/15 00:49	10
Silvex (2,4,5-TP)	0.077	U	0.13	0.077	0.025	mg/Kg	☼	10/25/15 00:49	10
2,4,5-T	0.077	U	0.13	0.077	0.035	mg/Kg	☼	10/25/15 00:49	10

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	0	D	27 - 122	10/23/15 07:42	10/25/15 00:49	10

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.3	U H	1.3	1.3	0.52	mg/Kg	☼	10/27/15 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	135	Q	68 - 134	10/26/15 08:30	10/27/15 02:15	1

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	82	U	90	82	57	mg/Kg	☼	10/28/15 13:50	5
Oil Range Organics (C20-C36)	550	U	550	550	550	mg/Kg	☼	10/28/15 13:50	5
JP-4 Fuel	180	U	180	180	180	mg/Kg	☼	10/28/15 13:50	5
JP-5	90	U	90	90	90	mg/Kg	☼	10/28/15 13:50	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	0	D	45 - 130	10/23/15 10:29	10/28/15 13:50	5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0065	U	0.030	0.0065	0.0026	mg/Kg	☼	10/31/15 00:41	5
alpha-BHC	0.0065	U	0.030	0.0065	0.0024	mg/Kg	☼	10/31/15 00:41	5
alpha-Chlordane	0.0065	U	0.030	0.0065	0.0031	mg/Kg	☼	10/31/15 00:41	5
beta-BHC	0.013	U	0.030	0.013	0.0058	mg/Kg	☼	10/31/15 00:41	5
Chlordane (technical)	0.12	U	0.30	0.12	0.051	mg/Kg	☼	10/31/15 00:41	5
Chlorobenzilate	1.0	U	1.7	1.0	0.42	mg/Kg	☼	10/31/15 00:41	5
4,4'-DDD	0.0065	U	0.030	0.0065	0.0031	mg/Kg	☼	10/31/15 00:41	5
4,4'-DDE	0.0065	U	0.030	0.0065	0.0031	mg/Kg	☼	10/31/15 00:41	5
4,4'-DDT	0.0087	U	0.030	0.0087	0.0038	mg/Kg	☼	10/31/15 00:41	5
delta-BHC	0.0087	U	0.030	0.0087	0.0033	mg/Kg	☼	10/31/15 00:41	5
Dieldrin	0.0065	U	0.030	0.0065	0.0030	mg/Kg	☼	10/31/15 00:41	5
Endosulfan I	0.0065	U	0.030	0.0065	0.0030	mg/Kg	☼	10/31/15 00:41	5
Endosulfan II	0.0065	U	0.030	0.0065	0.0026	mg/Kg	☼	10/31/15 00:41	5
Endosulfan sulfate	0.0087	U	0.030	0.0087	0.0037	mg/Kg	☼	10/31/15 00:41	5
Endrin	0.0087	U	0.030	0.0087	0.0038	mg/Kg	☼	10/31/15 00:41	5
Endrin aldehyde	0.0087	U	0.030	0.0087	0.0038	mg/Kg	☼	10/31/15 00:41	5
Endrin ketone	0.0087	U	0.030	0.0087	0.0035	mg/Kg	☼	10/31/15 00:41	5
gamma-BHC (Lindane)	0.0065	U	0.030	0.0065	0.0024	mg/Kg	☼	10/31/15 00:41	5
gamma-Chlordane	0.0065	U	0.030	0.0065	0.0031	mg/Kg	☼	10/31/15 00:41	5
Heptachlor	0.0087	U	0.030	0.0087	0.0033	mg/Kg	☼	10/31/15 00:41	5
Heptachlor epoxide	0.0065	U	0.030	0.0065	0.0028	mg/Kg	☼	10/31/15 00:41	5
Isodrin	0.016	U	0.030	0.016	0.0059	mg/Kg	☼	10/31/15 00:41	5
Kepone	0.61	U	1.7	0.61	0.23	mg/Kg	☼	10/31/15 00:41	5
Methoxychlor	0.013	U	0.030	0.013	0.0049	mg/Kg	☼	10/31/15 00:41	5
PCB-1016	0.40	U	0.58	0.40	0.19	mg/Kg	☼	10/31/15 00:41	5
PCB-1221	0.52	U	0.58	0.52	0.26	mg/Kg	☼	10/31/15 00:41	5

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1232	0.23	U	0.58	0.23	0.091	mg/Kg	☼	10/31/15 00:41	5
PCB-1242	0.23	U	0.58	0.23	0.087	mg/Kg	☼	10/31/15 00:41	5
PCB-1248	0.35	U	0.58	0.35	0.14	mg/Kg	☼	10/31/15 00:41	5
PCB-1254	0.52	U	0.58	0.52	0.17	mg/Kg	☼	10/31/15 00:41	5
PCB-1260	0.40	U	0.58	0.40	0.17	mg/Kg	☼	10/31/15 00:41	5
Toxaphene	0.23	U	3.0	0.23	0.096	mg/Kg	☼	10/31/15 00:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*44 - 129*	*10/23/15 11:50*	*10/31/15 00:41*	*5*
Tetrachloro-m-xylene	*65*		*46 - 130*	*10/23/15 11:50*	*10/31/15 00:41*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	340	U	690	340	120	ug/Kg	☼	11/06/15 01:16	10
Azinphos-ethyl	340	U	340	340	89	ug/Kg	☼	11/06/15 01:16	10
Azinphos-methyl	82	U	130	82	36	ug/Kg	☼	11/06/15 01:16	10
Bolstar	170	U	130	170	44	ug/Kg	☼	11/06/15 01:16	10
Chlorpyrifos	170	U	210	170	66	ug/Kg	☼	11/06/15 01:16	10
Coumaphos	82	U	130	82	29	ug/Kg	☼	11/06/15 01:16	10
Demeton-O	240	U	400	240	54	ug/Kg	☼	11/06/15 01:16	10
Demeton-S	100	U	150	100	50	ug/Kg	☼	11/06/15 01:16	10
Demeton, Total	170	U	400	170	77	ug/Kg	☼	11/06/15 01:16	10
Diazinon	170	U	230	170	75	ug/Kg	☼	11/06/15 01:16	10
Dichlorvos	170	U Q	240	170	76	ug/Kg	☼	11/06/15 01:16	10
Dimethoate	170	U	230	170	73	ug/Kg	☼	11/06/15 01:16	10
Disulfoton	170	U	490	170	79	ug/Kg	☼	11/06/15 01:16	10
EPN	82	U	130	82	38	ug/Kg	☼	11/06/15 01:16	10
Mocap	170	U	150	170	51	ug/Kg	☼	11/06/15 01:16	10
Ethyl Parathion	170	U	180	170	54	ug/Kg	☼	11/06/15 01:16	10
Famphur	82	U	130	82	33	ug/Kg	☼	11/06/15 01:16	10
Fensulfothion	170	U	260	170	84	ug/Kg	☼	11/06/15 01:16	10
Fenthion	340	U	340	340	90	ug/Kg	☼	11/06/15 01:16	10
Malathion	170	U	150	170	48	ug/Kg	☼	11/06/15 01:16	10
Merphos	170	U	310	170	53	ug/Kg	☼	11/06/15 01:16	10
Methyl parathion	170	U	210	170	65	ug/Kg	☼	11/06/15 01:16	10
Mevinphos	170	U	150	170	47	ug/Kg	☼	11/06/15 01:16	10
Phorate	170	U	210	170	59	ug/Kg	☼	11/06/15 01:16	10
Phosmet	690	U	690	690	200	ug/Kg	☼	11/06/15 01:16	10
Propazine	340	U	690	340	89	ug/Kg	☼	11/06/15 01:16	10
Ronnel	340	U	470	340	160	ug/Kg	☼	11/06/15 01:16	10
Simazine	690	U	690	690	230	ug/Kg	☼	11/06/15 01:16	10
Tetrachlorvinphos (Stirophos)	170	U	150	170	45	ug/Kg	☼	11/06/15 01:16	10
Sulfotepp	170	U	210	170	64	ug/Kg	☼	11/06/15 01:16	10
Thionazin	170	U	180	170	57	ug/Kg	☼	11/06/15 01:16	10
Tokuthion	82	U	210	82	40	ug/Kg	☼	11/06/15 01:16	10
Trichloronate	170	U	210	170	64	ug/Kg	☼	11/06/15 01:16	10
o,o',o''-Triethylphosphorothioate	170	U	400	170	81	ug/Kg	☼	11/06/15 01:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*135*	*D*	*47 - 161*	*10/26/15 18:52*	*11/06/15 01:16*	*10*

Client Sample ID: AOPSL301

Lab Sample ID: 680-117942-61
Date Collected: 10/12/15 15:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 89.9

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6900	U	7200	6900	2300	ug/Kg	☼	11/05/15 16:32	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*184*	*D Q*	*47 - 161*	*10/26/15 18:52*	*11/05/15 16:32*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0055	U	0.0092	0.0055	0.0055	mg/Kg	☼	10/24/15 23:00	1
Dalapon	0.0089	U	0.11	0.0089	0.0032	mg/Kg	☼	10/24/15 23:00	1
2,4-DB	0.0055	U Q	0.0092	0.0055	0.0033	mg/Kg	☼	10/24/15 23:00	1
Dicamba	0.0055	U	0.0092	0.0055	0.0021	mg/Kg	☼	10/24/15 23:00	1
Dichlorprop	0.0022	U	0.0092	0.0022	0.0012	mg/Kg	☼	10/24/15 23:00	1
Dinoseb	0.0055	U	0.055	0.0055	0.0051	mg/Kg	☼	10/24/15 23:00	1
MCPA	0.53	U	2.2	0.53	0.21	mg/Kg	☼	10/24/15 23:00	1
MCPP	0.53	U	2.2	0.53	0.19	mg/Kg	☼	10/24/15 23:00	1
Pentachlorophenol	**0.00080**	**J**	0.0092	0.0011	0.00047	mg/Kg	☼	10/24/15 23:00	1
Silvex (2,4,5-TP)	0.0055	U	0.0092	0.0055	0.0018	mg/Kg	☼	10/24/15 23:00	1
2,4,5-T	0.0055	U	0.0092	0.0055	0.0026	mg/Kg	☼	10/24/15 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*82*		*27 - 122*	*10/23/15 07:42*	*10/24/15 23:00*	*1*

Client Sample ID: AOPCL301

Lab Sample ID: 680-117942-62
Date Collected: 10/12/15 15:00
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 90.0

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U H	1.2	1.2	0.48	mg/Kg	☼	10/27/15 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*139*	*Q*	*68 - 134*	*10/26/15 08:30*	*10/27/15 02:39*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	82	U	90	82	57	mg/Kg	☼	10/28/15 03:58	5
Oil Range Organics (C20-C36)	540	U	540	540	540	mg/Kg	☼	10/28/15 03:58	5
JP-4 Fuel	180	U	180	180	180	mg/Kg	☼	10/28/15 03:58	5
JP-5	90	U	90	90	90	mg/Kg	☼	10/28/15 03:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 14:41*	*10/28/15 03:58*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0012	U	0.0055	0.0012	0.00049	mg/Kg	☼	10/29/15 20:22	1
alpha-BHC	0.0012	U	0.0055	0.0012	0.00045	mg/Kg	☼	10/29/15 20:22	1
alpha-Chlordane	0.0012	U	0.0055	0.0012	0.00058	mg/Kg	☼	10/29/15 20:22	1
beta-BHC	0.0024	U	0.0055	0.0024	0.0011	mg/Kg	☼	10/29/15 20:22	1
Chlordane (technical)	0.022	U	0.055	0.022	0.0094	mg/Kg	☼	10/29/15 20:22	1
Chlorobenzilate	0.19	U	0.32	0.19	0.078	mg/Kg	☼	10/29/15 20:22	1

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0055	0.0012	0.00058	mg/Kg	☼	10/29/15 20:22	1
4,4'-DDE	**0.0023**	**J**	0.0055	0.0012	0.00058	mg/Kg	☼	10/29/15 20:22	1
4,4'-DDT	**0.0033**	**J**	0.0055	0.0016	0.00071	mg/Kg	☼	10/29/15 20:22	1
delta-BHC	0.0016	U	0.0055	0.0016	0.00062	mg/Kg	☼	10/29/15 20:22	1
Dieldrin	0.0012	U	0.0055	0.0012	0.00055	mg/Kg	☼	10/29/15 20:22	1
Endosulfan I	0.0012	U	0.0055	0.0012	0.00055	mg/Kg	☼	10/29/15 20:22	1
Endosulfan II	0.0012	U	0.0055	0.0012	0.00049	mg/Kg	☼	10/29/15 20:22	1
Endosulfan sulfate	0.0016	U	0.0055	0.0016	0.00068	mg/Kg	☼	10/29/15 20:22	1
Endrin	0.0016	U	0.0055	0.0016	0.00071	mg/Kg	☼	10/29/15 20:22	1
Endrin aldehyde	0.0016	U	0.0055	0.0016	0.00071	mg/Kg	☼	10/29/15 20:22	1
Endrin ketone	**0.00081**	**J**	0.0055	0.0016	0.00065	mg/Kg	☼	10/29/15 20:22	1
gamma-BHC (Lindane)	0.0012	U	0.0055	0.0012	0.00045	mg/Kg	☼	10/29/15 20:22	1
gamma-Chlordane	0.0012	U	0.0055	0.0012	0.00058	mg/Kg	☼	10/29/15 20:22	1
Heptachlor	0.0016	U	0.0055	0.0016	0.00062	mg/Kg	☼	10/29/15 20:22	1
Heptachlor epoxide	0.0012	U	0.0055	0.0012	0.00052	mg/Kg	☼	10/29/15 20:22	1
Isodrin	0.0030	U	0.0055	0.0030	0.0011	mg/Kg	☼	10/29/15 20:22	1
Kepone	0.11	U	0.32	0.11	0.042	mg/Kg	☼	10/29/15 20:22	1
Methoxychlor	0.0024	U	0.0055	0.0024	0.00091	mg/Kg	☼	10/29/15 20:22	1
PCB-1016	0.075	U	0.11	0.075	0.036	mg/Kg	☼	10/29/15 20:22	1
PCB-1221	0.097	U	0.11	0.097	0.049	mg/Kg	☼	10/29/15 20:22	1
PCB-1232	0.042	U	0.11	0.042	0.017	mg/Kg	☼	10/29/15 20:22	1
PCB-1242	0.042	U	0.11	0.042	0.016	mg/Kg	☼	10/29/15 20:22	1
PCB-1248	0.065	U	0.11	0.065	0.027	mg/Kg	☼	10/29/15 20:22	1
PCB-1254	0.097	U	0.11	0.097	0.032	mg/Kg	☼	10/29/15 20:22	1
PCB-1260	0.075	U	0.11	0.075	0.031	mg/Kg	☼	10/29/15 20:22	1
Toxaphene	0.042	U	0.55	0.042	0.018	mg/Kg	☼	10/29/15 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*44 - 129*	*10/23/15 14:41*	*10/29/15 20:22*	*1*
Tetrachloro-m-xylene	*85*		*46 - 130*	*10/23/15 14:41*	*10/29/15 20:22*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0060	U	0.028	0.0060	0.0024	mg/Kg	☼	10/31/15 20:34	5
alpha-BHC	0.0060	U	0.028	0.0060	0.0023	mg/Kg	☼	10/31/15 20:34	5
alpha-Chlordane	0.0060	U	0.028	0.0060	0.0029	mg/Kg	☼	10/31/15 20:34	5
beta-BHC	0.012	U	0.028	0.012	0.0054	mg/Kg	☼	10/31/15 20:34	5
Chlordane (technical)	0.11	U	0.28	0.11	0.047	mg/Kg	☼	10/31/15 20:34	5
Chlorobenzilate	0.94	U	1.6	0.94	0.39	mg/Kg	☼	10/31/15 20:34	5
4,4'-DDD	0.0060	U	0.028	0.0060	0.0029	mg/Kg	☼	10/31/15 20:34	5
4,4'-DDE	0.0060	U	0.028	0.0060	0.0029	mg/Kg	☼	10/31/15 20:34	5
4,4'-DDT	0.0081	U	0.028	0.0081	0.0036	mg/Kg	☼	10/31/15 20:34	5
delta-BHC	0.0081	U	0.028	0.0081	0.0031	mg/Kg	☼	10/31/15 20:34	5
Dieldrin	0.0060	U	0.028	0.0060	0.0028	mg/Kg	☼	10/31/15 20:34	5
Endosulfan I	0.0060	U	0.028	0.0060	0.0028	mg/Kg	☼	10/31/15 20:34	5
Endosulfan II	0.0060	U	0.028	0.0060	0.0024	mg/Kg	☼	10/31/15 20:34	5
Endosulfan sulfate	0.0081	U	0.028	0.0081	0.0034	mg/Kg	☼	10/31/15 20:34	5
Endrin	0.0081	U	0.028	0.0081	0.0036	mg/Kg	☼	10/31/15 20:34	5
Endrin aldehyde	0.0081	U	0.028	0.0081	0.0036	mg/Kg	☼	10/31/15 20:34	5
Endrin ketone	0.0081	U	0.028	0.0081	0.0032	mg/Kg	☼	10/31/15 20:34	5

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0060	U	0.028	0.0060	0.0023	mg/Kg	☼	10/31/15 20:34	5
gamma-Chlordane	0.0060	U	0.028	0.0060	0.0029	mg/Kg	☼	10/31/15 20:34	5
Heptachlor	0.0081	U	0.028	0.0081	0.0031	mg/Kg	☼	10/31/15 20:34	5
Heptachlor epoxide	0.0060	U	0.028	0.0060	0.0026	mg/Kg	☼	10/31/15 20:34	5
Isodrin	0.015	U	0.028	0.015	0.0055	mg/Kg	☼	10/31/15 20:34	5
Kepone	0.57	U	1.6	0.57	0.21	mg/Kg	☼	10/31/15 20:34	5
Methoxychlor	0.012	U	0.028	0.012	0.0045	mg/Kg	☼	10/31/15 20:34	5
PCB-1016	0.37	U	0.54	0.37	0.18	mg/Kg	☼	10/31/15 20:34	5
PCB-1221	0.49	U	0.54	0.49	0.24	mg/Kg	☼	10/31/15 20:34	5
PCB-1232	0.21	U	0.54	0.21	0.084	mg/Kg	☼	10/31/15 20:34	5
PCB-1242	0.21	U	0.54	0.21	0.081	mg/Kg	☼	10/31/15 20:34	5
PCB-1248	0.32	U	0.54	0.32	0.13	mg/Kg	☼	10/31/15 20:34	5
PCB-1254	0.49	U	0.54	0.49	0.16	mg/Kg	☼	10/31/15 20:34	5
PCB-1260	0.37	U	0.54	0.37	0.16	mg/Kg	☼	10/31/15 20:34	5
Toxaphene	0.21	U	2.8	0.21	0.089	mg/Kg	☼	10/31/15 20:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*44 - 129*	*10/23/15 14:41*	*10/31/15 20:34*	*5*
Tetrachloro-m-xylene	*81*		*46 - 130*	*10/23/15 14:41*	*10/31/15 20:34*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	330	U	680	330	120	ug/Kg	☼	11/06/15 01:46	10
Azinphos-ethyl	330	U	330	330	88	ug/Kg	☼	11/06/15 01:46	10
Azinphos-methyl	81	U	130	81	35	ug/Kg	☼	11/06/15 01:46	10
Bolstar	170	U	130	170	43	ug/Kg	☼	11/06/15 01:46	10
Chlorpyrifos	170	U	200	170	65	ug/Kg	☼	11/06/15 01:46	10
Coumaphos	81	U	130	81	28	ug/Kg	☼	11/06/15 01:46	10
Demeton-O	230	U	400	230	54	ug/Kg	☼	11/06/15 01:46	10
Demeton-S	100	U	150	100	49	ug/Kg	☼	11/06/15 01:46	10
Demeton, Total	170	U	400	170	76	ug/Kg	☼	11/06/15 01:46	10
Diazinon	170	U	220	170	74	ug/Kg	☼	11/06/15 01:46	10
Dichlorvos	170	U	230	170	75	ug/Kg	☼	11/06/15 01:46	10
Dimethoate	170	U	220	170	72	ug/Kg	☼	11/06/15 01:46	10
Disulfoton	170	U	490	170	78	ug/Kg	☼	11/06/15 01:46	10
EPN	81	U	130	81	37	ug/Kg	☼	11/06/15 01:46	10
Mocap	170	U	150	170	50	ug/Kg	☼	11/06/15 01:46	10
Ethyl Parathion	170	U	180	170	54	ug/Kg	☼	11/06/15 01:46	10
Famphur	81	U	130	81	33	ug/Kg	☼	11/06/15 01:46	10
Fensulfothion	170	U	250	170	83	ug/Kg	☼	11/06/15 01:46	10
Fenthion	330	U	330	330	89	ug/Kg	☼	11/06/15 01:46	10
Malathion	170	U	150	170	47	ug/Kg	☼	11/06/15 01:46	10
Merphos	170	U	300	170	52	ug/Kg	☼	11/06/15 01:46	10
Methyl parathion	170	U	200	170	65	ug/Kg	☼	11/06/15 01:46	10
Mevinphos	170	U	150	170	47	ug/Kg	☼	11/06/15 01:46	10
Phorate	170	U	200	170	58	ug/Kg	☼	11/06/15 01:46	10
Phosmet	680	U	680	680	200	ug/Kg	☼	11/06/15 01:46	10
Propazine	330	U	680	330	87	ug/Kg	☼	11/06/15 01:46	10
Ronnel	330	U	470	330	150	ug/Kg	☼	11/06/15 01:46	10
Simazine	680	U	680	680	220	ug/Kg	☼	11/06/15 01:46	10

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Tetrachlorvinphos (Stirophos)	170	U	150	170	44	ug/Kg	☼	11/06/15 01:46	10
Sulfotepp	170	U	200	170	63	ug/Kg	☼	11/06/15 01:46	10
Thionazin	170	U	180	170	56	ug/Kg	☼	11/06/15 01:46	10
Tokuthion	81	U	200	81	40	ug/Kg	☼	11/06/15 01:46	10
Trichloronate	170	U	200	170	63	ug/Kg	☼	11/06/15 01:46	10
o,o',o''-Triethylphosphorothioate	170	U	400	170	80	ug/Kg	☼	11/06/15 01:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*129*	*D*	*47 - 161*	*10/26/15 18:52*	*11/06/15 01:46*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	6800	U	7100	6800	2300	ug/Kg	☼	11/05/15 17:01	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*121*	*D*	*47 - 161*	*10/26/15 18:52*	*11/05/15 17:01*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0056	U	0.0092	0.0056	0.0056	mg/Kg	☼	10/25/15 02:38	1
Dalapon	0.0089	U	0.11	0.0089	0.0032	mg/Kg	☼	10/25/15 02:38	1
2,4-DB	0.0056	U	0.0092	0.0056	0.0033	mg/Kg	☼	10/25/15 02:38	1
Dicamba	0.0056	U	0.0092	0.0056	0.0021	mg/Kg	☼	10/25/15 02:38	1
Dichlorprop	0.0022	U	0.0092	0.0022	0.0012	mg/Kg	☼	10/25/15 02:38	1
Dinoseb	0.0056	U	0.056	0.0056	0.0051	mg/Kg	☼	10/25/15 02:38	1
MCPA	0.53	U	2.2	0.53	0.21	mg/Kg	☼	10/25/15 02:38	1
MCPP	0.53	U	2.2	0.53	0.19	mg/Kg	☼	10/25/15 02:38	1
Pentachlorophenol	**0.0013**	**J**	0.0092	0.0011	0.00047	mg/Kg	☼	10/25/15 02:38	1
Silvex (2,4,5-TP)	0.0056	U	0.0092	0.0056	0.0018	mg/Kg	☼	10/25/15 02:38	1
2,4,5-T	0.0056	U	0.0092	0.0056	0.0026	mg/Kg	☼	10/25/15 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*76*		*27 - 122*	*10/23/15 07:43*	*10/25/15 02:38*	*1*

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U H	1.2	1.2	0.50	mg/Kg	☼	10/27/15 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*150*	*Q*	*68 - 134*	*10/26/15 08:30*	*10/27/15 03:02*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	91	U	100	91	64	mg/Kg	☼	10/28/15 04:13	5
Oil Range Organics (C20-C36)	610	U	610	610	610	mg/Kg	☼	10/28/15 04:13	5
JP-4 Fuel	200	U	200	200	200	mg/Kg	☼	10/28/15 04:13	5
JP-5	100	U	100	100	100	mg/Kg	☼	10/28/15 04:13	5

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	0	D	45 - 130	10/23/15 14:41	10/28/15 04:13	5

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0014	U	0.0063	0.0014	0.00056	mg/Kg	☼	10/29/15 20:38	1
alpha-BHC	0.0014	U	0.0063	0.0014	0.00052	mg/Kg	☼	10/29/15 20:38	1
alpha-Chlordane	0.0014	U	0.0063	0.0014	0.00067	mg/Kg	☼	10/29/15 20:38	1
beta-BHC	0.0027	U	0.0063	0.0027	0.0012	mg/Kg	☼	10/29/15 20:38	1
Chlordane (technical)	0.025	U	0.063	0.025	0.011	mg/Kg	☼	10/29/15 20:38	1
Chlorobenzilate	0.21	U	0.37	0.21	0.089	mg/Kg	☼	10/29/15 20:38	1
4,4'-DDD	0.0014	U	0.0063	0.0014	0.00067	mg/Kg	☼	10/29/15 20:38	1
4,4'-DDE	**0.0038**	**J**	0.0063	0.0014	0.00067	mg/Kg	☼	10/29/15 20:38	1
4,4'-DDT	**0.0041**	**J**	0.0063	0.0019	0.00081	mg/Kg	☼	10/29/15 20:38	1
delta-BHC	0.0019	U	0.0063	0.0019	0.00070	mg/Kg	☼	10/29/15 20:38	1
Dieldrin	**0.00070**	**J**	0.0063	0.0014	0.00063	mg/Kg	☼	10/29/15 20:38	1
Endosulfan I	0.0014	U	0.0063	0.0014	0.00063	mg/Kg	☼	10/29/15 20:38	1
Endosulfan II	0.0014	U	0.0063	0.0014	0.00056	mg/Kg	☼	10/29/15 20:38	1
Endosulfan sulfate	0.0019	U	0.0063	0.0019	0.00078	mg/Kg	☼	10/29/15 20:38	1
Endrin	0.0019	U	0.0063	0.0019	0.00081	mg/Kg	☼	10/29/15 20:38	1
Endrin aldehyde	0.0019	U	0.0063	0.0019	0.00081	mg/Kg	☼	10/29/15 20:38	1
Endrin ketone	0.0019	U	0.0063	0.0019	0.00074	mg/Kg	☼	10/29/15 20:38	1
gamma-BHC (Lindane)	0.0014	U	0.0063	0.0014	0.00052	mg/Kg	☼	10/29/15 20:38	1
gamma-Chlordane	0.0014	U	0.0063	0.0014	0.00067	mg/Kg	☼	10/29/15 20:38	1
Heptachlor	0.0019	U	0.0063	0.0019	0.00070	mg/Kg	☼	10/29/15 20:38	1
Heptachlor epoxide	0.0014	U	0.0063	0.0014	0.00059	mg/Kg	☼	10/29/15 20:38	1
Isodrin	0.0034	U	0.0063	0.0034	0.0013	mg/Kg	☼	10/29/15 20:38	1
Kepone	0.13	U	0.37	0.13	0.048	mg/Kg	☼	10/29/15 20:38	1
Methoxychlor	0.0027	U	0.0063	0.0027	0.0010	mg/Kg	☼	10/29/15 20:38	1
PCB-1016	0.085	U	0.12	0.085	0.041	mg/Kg	☼	10/29/15 20:38	1
PCB-1221	0.11	U	0.12	0.11	0.056	mg/Kg	☼	10/29/15 20:38	1
PCB-1232	0.048	U	0.12	0.048	0.019	mg/Kg	☼	10/29/15 20:38	1
PCB-1242	0.048	U	0.12	0.048	0.019	mg/Kg	☼	10/29/15 20:38	1
PCB-1248	0.074	U	0.12	0.074	0.030	mg/Kg	☼	10/29/15 20:38	1
PCB-1254	0.11	U	0.12	0.11	0.037	mg/Kg	☼	10/29/15 20:38	1
PCB-1260	0.085	U	0.12	0.085	0.036	mg/Kg	☼	10/29/15 20:38	1
Toxaphene	0.048	U	0.63	0.048	0.020	mg/Kg	☼	10/29/15 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		44 - 129	10/23/15 14:41	10/29/15 20:38	1
Tetrachloro-m-xylene	83		46 - 130	10/23/15 14:41	10/29/15 20:38	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0068	U	0.031	0.0068	0.0028	mg/Kg	☼	10/31/15 20:50	5
alpha-BHC	0.0068	U	0.031	0.0068	0.0026	mg/Kg	☼	10/31/15 20:50	5
alpha-Chlordane	0.0068	U	0.031	0.0068	0.0033	mg/Kg	☼	10/31/15 20:50	5
beta-BHC	0.014	U	0.031	0.014	0.0061	mg/Kg	☼	10/31/15 20:50	5
Chlordane (technical)	0.12	U	0.31	0.12	0.054	mg/Kg	☼	10/31/15 20:50	5
Chlorobenzilate	1.1	U	1.9	1.1	0.44	mg/Kg	☼	10/31/15 20:50	5
4,4'-DDD	0.0068	U	0.031	0.0068	0.0033	mg/Kg	☼	10/31/15 20:50	5
4,4'-DDE	**0.0037**	**J D**	0.031	0.0068	0.0033	mg/Kg	☼	10/31/15 20:50	5

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4,4'-DDT	0.0093	U	0.031	0.0093	0.0041	mg/Kg	☼	10/31/15 20:50	5
delta-BHC	0.0093	U	0.031	0.0093	0.0035	mg/Kg	☼	10/31/15 20:50	5
Dieldrin	0.0068	U	0.031	0.0068	0.0031	mg/Kg	☼	10/31/15 20:50	5
Endosulfan I	0.0068	U	0.031	0.0068	0.0031	mg/Kg	☼	10/31/15 20:50	5
Endosulfan II	0.0068	U	0.031	0.0068	0.0028	mg/Kg	☼	10/31/15 20:50	5
Endosulfan sulfate	0.0093	U	0.031	0.0093	0.0039	mg/Kg	☼	10/31/15 20:50	5
Endrin	0.0093	U	0.031	0.0093	0.0041	mg/Kg	☼	10/31/15 20:50	5
Endrin aldehyde	0.0093	U	0.031	0.0093	0.0041	mg/Kg	☼	10/31/15 20:50	5
Endrin ketone	0.0093	U	0.031	0.0093	0.0037	mg/Kg	☼	10/31/15 20:50	5
gamma-BHC (Lindane)	0.0068	U	0.031	0.0068	0.0026	mg/Kg	☼	10/31/15 20:50	5
gamma-Chlordane	0.0068	U	0.031	0.0068	0.0033	mg/Kg	☼	10/31/15 20:50	5
Heptachlor	0.0093	U	0.031	0.0093	0.0035	mg/Kg	☼	10/31/15 20:50	5
Heptachlor epoxide	0.0068	U	0.031	0.0068	0.0030	mg/Kg	☼	10/31/15 20:50	5
Isodrin	0.017	U	0.031	0.017	0.0063	mg/Kg	☼	10/31/15 20:50	5
Kepone	0.65	U	1.9	0.65	0.24	mg/Kg	☼	10/31/15 20:50	5
Methoxychlor	0.014	U	0.031	0.014	0.0052	mg/Kg	☼	10/31/15 20:50	5
PCB-1016	0.43	U	0.61	0.43	0.20	mg/Kg	☼	10/31/15 20:50	5
PCB-1221	0.56	U	0.61	0.56	0.28	mg/Kg	☼	10/31/15 20:50	5
PCB-1232	0.24	U	0.61	0.24	0.096	mg/Kg	☼	10/31/15 20:50	5
PCB-1242	0.24	U	0.61	0.24	0.093	mg/Kg	☼	10/31/15 20:50	5
PCB-1248	0.37	U	0.61	0.37	0.15	mg/Kg	☼	10/31/15 20:50	5
PCB-1254	0.56	U	0.61	0.56	0.19	mg/Kg	☼	10/31/15 20:50	5
PCB-1260	0.43	U	0.61	0.43	0.18	mg/Kg	☼	10/31/15 20:50	5
Toxaphene	0.24	U	3.1	0.24	0.10	mg/Kg	☼	10/31/15 20:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*44 - 129*	*10/23/15 14:41*	*10/31/15 20:50*	*5*
Tetrachloro-m-xylene	*76*		*46 - 130*	*10/23/15 14:41*	*10/31/15 20:50*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	390	U	800	390	140	ug/Kg	☼	11/06/15 02:15	10
Azinphos-ethyl	390	U	390	390	100	ug/Kg	☼	11/06/15 02:15	10
Azinphos-methyl	96	U	160	96	42	ug/Kg	☼	11/06/15 02:15	10
Bolstar	200	U	160	200	51	ug/Kg	☼	11/06/15 02:15	10
Chlorpyrifos	200	U	240	200	77	ug/Kg	☼	11/06/15 02:15	10
Coumaphos	96	U	160	96	33	ug/Kg	☼	11/06/15 02:15	10
Demeton-O	280	U	470	280	63	ug/Kg	☼	11/06/15 02:15	10
Demeton-S	120	U	180	120	58	ug/Kg	☼	11/06/15 02:15	10
Demeton, Total	200	U	470	200	90	ug/Kg	☼	11/06/15 02:15	10
Diazinon	200	U	260	200	87	ug/Kg	☼	11/06/15 02:15	10
Dichlorvos	200	U	280	200	89	ug/Kg	☼	11/06/15 02:15	10
Dimethoate	200	U	260	200	85	ug/Kg	☼	11/06/15 02:15	10
Disulfoton	200	U	570	200	92	ug/Kg	☼	11/06/15 02:15	10
EPN	96	U	160	96	44	ug/Kg	☼	11/06/15 02:15	10
Mocap	200	U	180	200	59	ug/Kg	☼	11/06/15 02:15	10
Ethyl Parathion	200	U	220	200	63	ug/Kg	☼	11/06/15 02:15	10
Famphur	96	U	160	96	39	ug/Kg	☼	11/06/15 02:15	10
Fensulfothion	200	U	300	200	97	ug/Kg	☼	11/06/15 02:15	10
Fenthion	390	U	390	390	100	ug/Kg	☼	11/06/15 02:15	10

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Malathion	200	U	180	200	55	ug/Kg	☼	11/06/15 02:15	10
Merphos	200	U	360	200	61	ug/Kg	☼	11/06/15 02:15	10
Methyl parathion	200	U	240	200	76	ug/Kg	☼	11/06/15 02:15	10
Mevinphos	200	U	180	200	55	ug/Kg	☼	11/06/15 02:15	10
Phorate	200	U	240	200	68	ug/Kg	☼	11/06/15 02:15	10
Phosmet	800	U	800	800	230	ug/Kg	☼	11/06/15 02:15	10
Propazine	390	U	800	390	100	ug/Kg	☼	11/06/15 02:15	10
Ronnel	390	U	550	390	180	ug/Kg	☼	11/06/15 02:15	10
Simazine	800	U	800	800	260	ug/Kg	☼	11/06/15 02:15	10
Tetrachlorvinphos (Stirophos)	200	U	180	200	52	ug/Kg	☼	11/06/15 02:15	10
Sulfotepp	200	U	240	200	75	ug/Kg	☼	11/06/15 02:15	10
Thionazin	200	U	220	200	67	ug/Kg	☼	11/06/15 02:15	10
Tokuthion	96	U	240	96	47	ug/Kg	☼	11/06/15 02:15	10
Trichloronate	200	U	240	200	75	ug/Kg	☼	11/06/15 02:15	10
o,o',o''-Triethylphosphorothioate	200	U	470	200	94	ug/Kg	☼	11/06/15 02:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*128*	*D*	*47 - 161*	*10/26/15 18:52*	*11/06/15 02:15*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	8000	U	8400	8000	2700	ug/Kg	☼	11/05/15 17:30	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*117*	*D*	*47 - 161*	*10/26/15 18:52*	*11/05/15 17:30*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0062	U	0.010	0.0062	0.0062	mg/Kg	☼	10/25/15 02:56	1
Dalapon	0.0099	U	0.12	0.0099	0.0036	mg/Kg	☼	10/25/15 02:56	1
2,4-DB	0.0062	U	0.010	0.0062	0.0037	mg/Kg	☼	10/25/15 02:56	1
Dicamba	0.0062	U	0.010	0.0062	0.0023	mg/Kg	☼	10/25/15 02:56	1
Dichlorprop	0.0025	U	0.010	0.0025	0.0014	mg/Kg	☼	10/25/15 02:56	1
Dinoseb	0.0062	U	0.062	0.0062	0.0057	mg/Kg	☼	10/25/15 02:56	1
MCPA	0.59	U	2.5	0.59	0.23	mg/Kg	☼	10/25/15 02:56	1
MCPP	0.59	U	2.5	0.59	0.21	mg/Kg	☼	10/25/15 02:56	1
Pentachlorophenol	**0.00075**	**J**	0.010	0.0012	0.00052	mg/Kg	☼	10/25/15 02:56	1
Silvex (2,4,5-TP)	0.0062	U	0.010	0.0062	0.0020	mg/Kg	☼	10/25/15 02:56	1
2,4,5-T	0.0062	U	0.010	0.0062	0.0028	mg/Kg	☼	10/25/15 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*95*		*27 - 122*	*10/23/15 07:43*	*10/25/15 02:56*	*1*

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.2	U H	1.2	1.2	0.49	mg/Kg	☼	10/27/15 03:25	1

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*143*	*Q*	*68 - 134*	*10/26/15 08:30*	*10/27/15 03:25*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	88	U	97	88	62	mg/Kg	☼	10/28/15 04:28	5
Oil Range Organics (C20-C36)	590	U	590	590	590	mg/Kg	☼	10/28/15 04:28	5
JP-4 Fuel	190	U	190	190	190	mg/Kg	☼	10/28/15 04:28	5
JP-5	97	U	97	97	97	mg/Kg	☼	10/28/15 04:28	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 14:41*	*10/28/15 04:28*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0013	U	0.0060	0.0013	0.00053	mg/Kg	☼	10/29/15 20:53	1
alpha-BHC	0.0013	U	0.0060	0.0013	0.00049	mg/Kg	☼	10/29/15 20:53	1
alpha-Chlordane	**0.010**	**M**	0.0060	0.0013	0.00063	mg/Kg	☼	10/29/15 20:53	1
beta-BHC	0.0026	U	0.0060	0.0026	0.0012	mg/Kg	☼	10/29/15 20:53	1
Chlordane (technical)	**0.023**	**J**	0.060	0.024	0.010	mg/Kg	☼	10/29/15 20:53	1
Chlorobenzilate	0.20	U	0.35	0.20	0.084	mg/Kg	☼	10/29/15 20:53	1
4,4'-DDD	0.0013	U	0.0060	0.0013	0.00063	mg/Kg	☼	10/29/15 20:53	1
4,4'-DDE	**0.060**	**M**	0.0060	0.0013	0.00063	mg/Kg	☼	10/29/15 20:53	1
4,4'-DDT	**0.010**	**M**	0.0060	0.0018	0.00077	mg/Kg	☼	10/29/15 20:53	1
delta-BHC	0.0018	U	0.0060	0.0018	0.00067	mg/Kg	☼	10/29/15 20:53	1
Dieldrin	**0.0013**	**J**	0.0060	0.0013	0.00060	mg/Kg	☼	10/29/15 20:53	1
Endosulfan I	0.0013	U	0.0060	0.0013	0.00060	mg/Kg	☼	10/29/15 20:53	1
Endosulfan II	0.0013	U	0.0060	0.0013	0.00053	mg/Kg	☼	10/29/15 20:53	1
Endosulfan sulfate	0.0018	U	0.0060	0.0018	0.00074	mg/Kg	☼	10/29/15 20:53	1
Endrin	0.0018	U	0.0060	0.0018	0.00077	mg/Kg	☼	10/29/15 20:53	1
Endrin aldehyde	0.0018	U	0.0060	0.0018	0.00077	mg/Kg	☼	10/29/15 20:53	1
Endrin ketone	**0.0027**	**J M**	0.0060	0.0018	0.00070	mg/Kg	☼	10/29/15 20:53	1
gamma-BHC (Lindane)	0.0013	U	0.0060	0.0013	0.00049	mg/Kg	☼	10/29/15 20:53	1
gamma-Chlordane	**0.0034**	**J M**	0.0060	0.0013	0.00063	mg/Kg	☼	10/29/15 20:53	1
Heptachlor	0.0018	U	0.0060	0.0018	0.00067	mg/Kg	☼	10/29/15 20:53	1
Heptachlor epoxide	0.0013	U	0.0060	0.0013	0.00056	mg/Kg	☼	10/29/15 20:53	1
Isodrin	0.0032	U	0.0060	0.0032	0.0012	mg/Kg	☼	10/29/15 20:53	1
Kepone	0.12	U	0.35	0.12	0.046	mg/Kg	☼	10/29/15 20:53	1
Methoxychlor	0.0026	U	0.0060	0.0026	0.00098	mg/Kg	☼	10/29/15 20:53	1
PCB-1016	0.081	U	0.12	0.081	0.039	mg/Kg	☼	10/29/15 20:53	1
PCB-1221	0.11	U	0.12	0.11	0.053	mg/Kg	☼	10/29/15 20:53	1
PCB-1232	0.046	U	0.12	0.046	0.018	mg/Kg	☼	10/29/15 20:53	1
PCB-1242	0.046	U	0.12	0.046	0.018	mg/Kg	☼	10/29/15 20:53	1
PCB-1248	0.070	U	0.12	0.070	0.029	mg/Kg	☼	10/29/15 20:53	1
PCB-1254	0.11	U	0.12	0.11	0.035	mg/Kg	☼	10/29/15 20:53	1
PCB-1260	0.081	U	0.12	0.081	0.034	mg/Kg	☼	10/29/15 20:53	1
Toxaphene	0.046	U	0.60	0.046	0.019	mg/Kg	☼	10/29/15 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*95*	*M*	*44 - 129*	*10/23/15 14:41*	*10/29/15 20:53*	*1*
Tetrachloro-m-xylene	*88*		*46 - 130*	*10/23/15 14:41*	*10/29/15 20:53*	*1*

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0065	U	0.030	0.0065	0.0026	mg/Kg	☼	10/31/15 21:05	5
alpha-BHC	0.0065	U	0.030	0.0065	0.0025	mg/Kg	☼	10/31/15 21:05	5
alpha-Chlordane	**0.0092**	**J D**	0.030	0.0065	0.0032	mg/Kg	☼	10/31/15 21:05	5
beta-BHC	0.013	U	0.030	0.013	0.0058	mg/Kg	☼	10/31/15 21:05	5
Chlordane (technical)	0.12	U	0.30	0.12	0.051	mg/Kg	☼	10/31/15 21:05	5
Chlorobenzilate	1.0	U	1.8	1.0	0.42	mg/Kg	☼	10/31/15 21:05	5
4,4'-DDD	0.0065	U	0.030	0.0065	0.0032	mg/Kg	☼	10/31/15 21:05	5
4,4'-DDE	**0.055**	**D**	0.030	0.0065	0.0032	mg/Kg	☼	10/31/15 21:05	5
4,4'-DDT	**0.010**	**J D**	0.030	0.0088	0.0039	mg/Kg	☼	10/31/15 21:05	5
delta-BHC	0.0088	U	0.030	0.0088	0.0033	mg/Kg	☼	10/31/15 21:05	5
Dieldrin	0.0065	U	0.030	0.0065	0.0030	mg/Kg	☼	10/31/15 21:05	5
Endosulfan I	0.0065	U	0.030	0.0065	0.0030	mg/Kg	☼	10/31/15 21:05	5
Endosulfan II	0.0065	U	0.030	0.0065	0.0026	mg/Kg	☼	10/31/15 21:05	5
Endosulfan sulfate	0.0088	U	0.030	0.0088	0.0037	mg/Kg	☼	10/31/15 21:05	5
Endrin	0.0088	U	0.030	0.0088	0.0039	mg/Kg	☼	10/31/15 21:05	5
Endrin aldehyde	0.0088	U	0.030	0.0088	0.0039	mg/Kg	☼	10/31/15 21:05	5
Endrin ketone	0.0088	U	0.030	0.0088	0.0035	mg/Kg	☼	10/31/15 21:05	5
gamma-BHC (Lindane)	0.0065	U	0.030	0.0065	0.0025	mg/Kg	☼	10/31/15 21:05	5
gamma-Chlordane	**0.0034**	**J D**	0.030	0.0065	0.0032	mg/Kg	☼	10/31/15 21:05	5
Heptachlor	0.0088	U	0.030	0.0088	0.0033	mg/Kg	☼	10/31/15 21:05	5
Heptachlor epoxide	0.0065	U	0.030	0.0065	0.0028	mg/Kg	☼	10/31/15 21:05	5
Isodrin	0.016	U	0.030	0.016	0.0060	mg/Kg	☼	10/31/15 21:05	5
Kepone	0.61	U	1.8	0.61	0.23	mg/Kg	☼	10/31/15 21:05	5
Methoxychlor	0.013	U	0.030	0.013	0.0049	mg/Kg	☼	10/31/15 21:05	5
PCB-1016	0.40	U	0.58	0.40	0.19	mg/Kg	☼	10/31/15 21:05	5
PCB-1221	0.53	U	0.58	0.53	0.26	mg/Kg	☼	10/31/15 21:05	5
PCB-1232	0.23	U	0.58	0.23	0.091	mg/Kg	☼	10/31/15 21:05	5
PCB-1242	0.23	U	0.58	0.23	0.088	mg/Kg	☼	10/31/15 21:05	5
PCB-1248	0.35	U	0.58	0.35	0.14	mg/Kg	☼	10/31/15 21:05	5
PCB-1254	0.53	U	0.58	0.53	0.18	mg/Kg	☼	10/31/15 21:05	5
PCB-1260	0.40	U	0.58	0.40	0.17	mg/Kg	☼	10/31/15 21:05	5
Toxaphene	0.23	U	3.0	0.23	0.096	mg/Kg	☼	10/31/15 21:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*44 - 129*	*10/23/15 14:41*	*10/31/15 21:05*	*5*
Tetrachloro-m-xylene	*80*		*46 - 130*	*10/23/15 14:41*	*10/31/15 21:05*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	360	U	720	360	130	ug/Kg	☼	11/06/15 02:44	10
Azinphos-ethyl	360	U	360	360	94	ug/Kg	☼	11/06/15 02:44	10
Azinphos-methyl	86	U	140	86	38	ug/Kg	☼	11/06/15 02:44	10
Bolstar	180	U	140	180	46	ug/Kg	☼	11/06/15 02:44	10
Chlorpyrifos	180	U	220	180	70	ug/Kg	☼	11/06/15 02:44	10
Coumaphos	86	U	140	86	30	ug/Kg	☼	11/06/15 02:44	10
Demeton-O	250	U	420	250	57	ug/Kg	☼	11/06/15 02:44	10
Demeton-S	110	U	160	110	53	ug/Kg	☼	11/06/15 02:44	10
Demeton, Total	180	U	420	180	81	ug/Kg	☼	11/06/15 02:44	10
Diazinon	180	U	240	180	79	ug/Kg	☼	11/06/15 02:44	10
Dichlorvos	180	U	250	180	80	ug/Kg	☼	11/06/15 02:44	10

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dimethoate	180	U	240	180	77	ug/Kg	☼	11/06/15 02:44	10
Disulfoton	180	U	520	180	84	ug/Kg	☼	11/06/15 02:44	10
EPN	86	U	140	86	40	ug/Kg	☼	11/06/15 02:44	10
Mocap	180	U	160	180	53	ug/Kg	☼	11/06/15 02:44	10
Ethyl Parathion	180	U	190	180	57	ug/Kg	☼	11/06/15 02:44	10
Famphur	86	U	140	86	35	ug/Kg	☼	11/06/15 02:44	10
Fensulfothion	180	U	270	180	88	ug/Kg	☼	11/06/15 02:44	10
Fenthion	360	U	360	360	94	ug/Kg	☼	11/06/15 02:44	10
Malathion	180	U	160	180	50	ug/Kg	☼	11/06/15 02:44	10
Merphos	180	U	320	180	56	ug/Kg	☼	11/06/15 02:44	10
Methyl parathion	180	U	220	180	69	ug/Kg	☼	11/06/15 02:44	10
Mevinphos	180	U	160	180	50	ug/Kg	☼	11/06/15 02:44	10
Phorate	180	U	220	180	62	ug/Kg	☼	11/06/15 02:44	10
Phosmet	720	U	720	720	210	ug/Kg	☼	11/06/15 02:44	10
Propazine	360	U	720	360	93	ug/Kg	☼	11/06/15 02:44	10
Ronnel	360	U	500	360	160	ug/Kg	☼	11/06/15 02:44	10
Simazine	720	U	720	720	240	ug/Kg	☼	11/06/15 02:44	10
Tetrachlorvinphos (Stirophos)	180	U	160	180	47	ug/Kg	☼	11/06/15 02:44	10
Sulfotepp	180	U	220	180	68	ug/Kg	☼	11/06/15 02:44	10
Thionazin	180	U	190	180	60	ug/Kg	☼	11/06/15 02:44	10
Tokuthion	86	U	220	86	42	ug/Kg	☼	11/06/15 02:44	10
Trichloronate	180	U	220	180	68	ug/Kg	☼	11/06/15 02:44	10
o,o',o''-Triethylphosphorothioate	180	U	420	180	85	ug/Kg	☼	11/06/15 02:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*129*	*D*	*47 - 161*	*10/26/15 18:52*	*11/06/15 02:44*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7200	U	7600	7200	2400	ug/Kg	☼	11/05/15 17:59	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*118*	*D*	*47 - 161*	*10/26/15 18:52*	*11/05/15 17:59*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0059	U	0.0097	0.0059	0.0059	mg/Kg	☼	10/25/15 03:14	1
Dalapon	0.0094	U	0.12	0.0094	0.0034	mg/Kg	☼	10/25/15 03:14	1
2,4-DB	0.0059	U	0.0097	0.0059	0.0035	mg/Kg	☼	10/25/15 03:14	1
Dicamba	0.0059	U	0.0097	0.0059	0.0022	mg/Kg	☼	10/25/15 03:14	1
Dichlorprop	0.0023	U	0.0097	0.0023	0.0013	mg/Kg	☼	10/25/15 03:14	1
Dinoseb	0.0059	U	0.059	0.0059	0.0054	mg/Kg	☼	10/25/15 03:14	1
MCPA	0.56	U	2.3	0.56	0.22	mg/Kg	☼	10/25/15 03:14	1
MCPP	0.56	U	2.3	0.56	0.20	mg/Kg	☼	10/25/15 03:14	1
Pentachlorophenol	**0.00057**	**J**	0.0097	0.0012	0.00049	mg/Kg	☼	10/25/15 03:14	1
Silvex (2,4,5-TP)	0.0059	U	0.0097	0.0059	0.0019	mg/Kg	☼	10/25/15 03:14	1
2,4,5-T	0.0059	U	0.0097	0.0059	0.0027	mg/Kg	☼	10/25/15 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*77*		*27 - 122*	*10/23/15 07:43*	*10/25/15 03:14*	*1*

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid
Percent Solids: 80.2

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.5	U H	1.5	1.5	0.62	mg/Kg	☼	10/27/15 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*157*	*Q*	*68 - 134*	*10/26/15 08:30*	*10/27/15 03:49*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	93	U	100	93	65	mg/Kg	☼	10/28/15 04:43	5
Oil Range Organics (C20-C36)	620	U	620	620	620	mg/Kg	☼	10/28/15 04:43	5
JP-4 Fuel	200	U	200	200	200	mg/Kg	☼	10/28/15 04:43	5
JP-5	100	U	100	100	100	mg/Kg	☼	10/28/15 04:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 14:41*	*10/28/15 04:43*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.014	U	0.063	0.014	0.0056	mg/Kg	☼	10/31/15 21:20	10
alpha-BHC	0.014	U	0.063	0.014	0.0052	mg/Kg	☼	10/31/15 21:20	10
alpha-Chlordane	0.014	U	0.063	0.014	0.0067	mg/Kg	☼	10/31/15 21:20	10
beta-BHC	0.027	U	0.063	0.027	0.012	mg/Kg	☼	10/31/15 21:20	10
Chlordane (technical)	0.25	U	0.63	0.25	0.11	mg/Kg	☼	10/31/15 21:20	10
Chlorobenzilate	2.2	U	3.7	2.2	0.89	mg/Kg	☼	10/31/15 21:20	10
4,4'-DDD	0.014	U	0.063	0.014	0.0067	mg/Kg	☼	10/31/15 21:20	10
4,4'-DDE	**0.097**	**D**	0.063	0.014	0.0067	mg/Kg	☼	10/31/15 21:20	10
4,4'-DDT	**0.028**	**J D**	0.063	0.019	0.0082	mg/Kg	☼	10/31/15 21:20	10
delta-BHC	0.019	U	0.063	0.019	0.0071	mg/Kg	☼	10/31/15 21:20	10
Dieldrin	0.014	U	0.063	0.014	0.0063	mg/Kg	☼	10/31/15 21:20	10
Endosulfan I	0.014	U	0.063	0.014	0.0063	mg/Kg	☼	10/31/15 21:20	10
Endosulfan II	0.014	U	0.063	0.014	0.0056	mg/Kg	☼	10/31/15 21:20	10
Endosulfan sulfate	0.019	U	0.063	0.019	0.0078	mg/Kg	☼	10/31/15 21:20	10
Endrin	0.019	U	0.063	0.019	0.0082	mg/Kg	☼	10/31/15 21:20	10
Endrin aldehyde	0.019	U	0.063	0.019	0.0082	mg/Kg	☼	10/31/15 21:20	10
Endrin ketone	0.019	U	0.063	0.019	0.0074	mg/Kg	☼	10/31/15 21:20	10
gamma-BHC (Lindane)	0.014	U	0.063	0.014	0.0052	mg/Kg	☼	10/31/15 21:20	10
gamma-Chlordane	0.014	U	0.063	0.014	0.0067	mg/Kg	☼	10/31/15 21:20	10
Heptachlor	0.019	U	0.063	0.019	0.0071	mg/Kg	☼	10/31/15 21:20	10
Heptachlor epoxide	0.014	U	0.063	0.014	0.0060	mg/Kg	☼	10/31/15 21:20	10
Isodrin	0.034	U	0.063	0.034	0.013	mg/Kg	☼	10/31/15 21:20	10
Kepone	1.3	U	3.7	1.3	0.48	mg/Kg	☼	10/31/15 21:20	10
Methoxychlor	0.027	U	0.063	0.027	0.010	mg/Kg	☼	10/31/15 21:20	10
PCB-1016	0.86	U	1.2	0.86	0.41	mg/Kg	☼	10/31/15 21:20	10
PCB-1221	1.1	U	1.2	1.1	0.56	mg/Kg	☼	10/31/15 21:20	10
PCB-1232	0.48	U	1.2	0.48	0.19	mg/Kg	☼	10/31/15 21:20	10
PCB-1242	0.48	U	1.2	0.48	0.19	mg/Kg	☼	10/31/15 21:20	10
PCB-1248	0.74	U	1.2	0.74	0.31	mg/Kg	☼	10/31/15 21:20	10
PCB-1254	1.1	U	1.2	1.1	0.37	mg/Kg	☼	10/31/15 21:20	10
PCB-1260	0.86	U	1.2	0.86	0.36	mg/Kg	☼	10/31/15 21:20	10
Toxaphene	0.48	U	6.3	0.48	0.20	mg/Kg	☼	10/31/15 21:20	10

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid
Percent Solids: 80.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	44 - 129	10/23/15 14:41	10/31/15 21:20	10
Tetrachloro-m-xylene	0	D	46 - 130	10/23/15 14:41	10/31/15 21:20	10

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	390	U	790	390	140	ug/Kg	☼	11/06/15 03:13	10
Azinphos-ethyl	390	U	390	390	100	ug/Kg	☼	11/06/15 03:13	10
Azinphos-methyl	94	U	150	94	41	ug/Kg	☼	11/06/15 03:13	10
Bolstar	200	U	150	200	50	ug/Kg	☼	11/06/15 03:13	10
Chlorpyrifos	200	U	230	200	76	ug/Kg	☼	11/06/15 03:13	10
Coumaphos	94	U	150	94	33	ug/Kg	☼	11/06/15 03:13	10
Demeton-O	270	U	460	270	62	ug/Kg	☼	11/06/15 03:13	10
Demeton-S	120	U	180	120	57	ug/Kg	☼	11/06/15 03:13	10
Demeton, Total	200	U	460	200	88	ug/Kg	☼	11/06/15 03:13	10
Diazinon	200	U	260	200	85	ug/Kg	☼	11/06/15 03:13	10
Dichlorvos	200	U	270	200	87	ug/Kg	☼	11/06/15 03:13	10
Dimethoate	200	U	260	200	83	ug/Kg	☼	11/06/15 03:13	10
Disulfoton	200	U	560	200	91	ug/Kg	☼	11/06/15 03:13	10
EPN	94	U	150	94	43	ug/Kg	☼	11/06/15 03:13	10
Mocap	200	U	180	200	58	ug/Kg	☼	11/06/15 03:13	10
Ethyl Parathion	200	U	210	200	62	ug/Kg	☼	11/06/15 03:13	10
Famphur	94	U	150	94	38	ug/Kg	☼	11/06/15 03:13	10
Fensulfothion	200	U	290	200	96	ug/Kg	☼	11/06/15 03:13	10
Fenthion	390	U	390	390	100	ug/Kg	☼	11/06/15 03:13	10
Malathion	200	U	180	200	54	ug/Kg	☼	11/06/15 03:13	10
Merphos	200	U	350	200	60	ug/Kg	☼	11/06/15 03:13	10
Methyl parathion	200	U	230	200	75	ug/Kg	☼	11/06/15 03:13	10
Mevinphos	200	U	180	200	54	ug/Kg	☼	11/06/15 03:13	10
Phorate	200	U	230	200	67	ug/Kg	☼	11/06/15 03:13	10
Phosmet	790	U	790	790	230	ug/Kg	☼	11/06/15 03:13	10
Propazine	390	U	790	390	100	ug/Kg	☼	11/06/15 03:13	10
Ronnel	390	U	540	390	180	ug/Kg	☼	11/06/15 03:13	10
Simazine	790	U	790	790	260	ug/Kg	☼	11/06/15 03:13	10
Tetrachlorvinphos (Stirophos)	200	U	180	200	51	ug/Kg	☼	11/06/15 03:13	10
Sulfotepp	200	U	230	200	73	ug/Kg	☼	11/06/15 03:13	10
Thionazin	200	U	210	200	65	ug/Kg	☼	11/06/15 03:13	10
Tokuthion	94	U	230	94	46	ug/Kg	☼	11/06/15 03:13	10
Trichloronate	200	U	230	200	73	ug/Kg	☼	11/06/15 03:13	10
o,o',o''-Triethylphosphorothioate	200	U	460	200	92	ug/Kg	☼	11/06/15 03:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	97	D	47 - 161	10/26/15 18:52	11/06/15 03:13	10

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7900	U	8200	7900	2600	ug/Kg	☼	11/05/15 18:29	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	103	D	47 - 161	10/26/15 18:52	11/05/15 18:29	100

Client Sample ID: AOPSL601

Lab Sample ID: 680-117942-65
Date Collected: 10/12/15 15:45
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 80.2

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.031	U	0.052	0.031	0.031	mg/Kg	☼	10/25/15 03:33	5
Dalapon	0.050	U	0.62	0.050	0.018	mg/Kg	☼	10/25/15 03:33	5
2,4-DB	0.031	U	0.052	0.031	0.019	mg/Kg	☼	10/25/15 03:33	5
Dicamba	0.031	U	0.052	0.031	0.012	mg/Kg	☼	10/25/15 03:33	5
Dichlorprop	0.012	U	0.052	0.012	0.0068	mg/Kg	☼	10/25/15 03:33	5
Dinoseb	0.031	U	0.31	0.031	0.029	mg/Kg	☼	10/25/15 03:33	5
MCPA	3.0	U	12	3.0	1.2	mg/Kg	☼	10/25/15 03:33	5
MCPP	3.0	U	12	3.0	1.1	mg/Kg	☼	10/25/15 03:33	5
Pentachlorophenol	0.0062	U	0.052	0.0062	0.0026	mg/Kg	☼	10/25/15 03:33	5
Silvex (2,4,5-TP)	0.031	U	0.052	0.031	0.0099	mg/Kg	☼	10/25/15 03:33	5
2,4,5-T	0.031	U	0.052	0.031	0.014	mg/Kg	☼	10/25/15 03:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*71*		*27 - 122*	*10/23/15 07:43*	*10/25/15 03:33*	*5*

Client Sample ID: AOPSL701

Lab Sample ID: 680-117942-66
Date Collected: 10/12/15 16:15
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 78.6

Method: 8015C GRO - Gasoline Range Organics (GRO)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.4	U H	1.4	1.4	0.55	mg/Kg	☼	10/27/15 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*144*	*Q*	*68 - 134*	*10/26/15 08:30*	*10/27/15 04:12*	*1*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	94	U	100	94	65	mg/Kg	☼	10/28/15 04:58	5
Oil Range Organics (C20-C36)	620	U	620	620	620	mg/Kg	☼	10/28/15 04:58	5
JP-4 Fuel	210	U	210	210	210	mg/Kg	☼	10/28/15 04:58	5
JP-5	100	U	100	100	100	mg/Kg	☼	10/28/15 04:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*	*10/23/15 14:41*	*10/28/15 04:58*	*5*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0014	U	0.0064	0.0014	0.00057	mg/Kg	☼	10/29/15 21:08	1
alpha-BHC	0.0014	U	0.0064	0.0014	0.00053	mg/Kg	☼	10/29/15 21:08	1
alpha-Chlordane	0.0014	U	0.0064	0.0014	0.00068	mg/Kg	☼	10/29/15 21:08	1
beta-BHC	0.0028	U	0.0064	0.0028	0.0012	mg/Kg	☼	10/29/15 21:08	1
Chlordane (technical)	0.025	U	0.064	0.025	0.011	mg/Kg	☼	10/29/15 21:08	1
Chlorobenzilate	0.22	U	0.38	0.22	0.091	mg/Kg	☼	10/29/15 21:08	1
4,4'-DDD	0.0014	U	0.0064	0.0014	0.00068	mg/Kg	☼	10/29/15 21:08	1
4,4'-DDE	**0.10**		0.0064	0.0014	0.00068	mg/Kg	☼	10/29/15 21:08	1
4,4'-DDT	**0.020**		0.0064	0.0019	0.00083	mg/Kg	☼	10/29/15 21:08	1
delta-BHC	0.0019	U	0.0064	0.0019	0.00072	mg/Kg	☼	10/29/15 21:08	1
Dieldrin	**0.0021**	**J**	0.0064	0.0014	0.00064	mg/Kg	☼	10/29/15 21:08	1
Endosulfan I	0.0014	U	0.0064	0.0014	0.00064	mg/Kg	☼	10/29/15 21:08	1
Endosulfan II	**0.00065**	**J**	0.0064	0.0014	0.00057	mg/Kg	☼	10/29/15 21:08	1

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Endosulfan sulfate	0.0019	U	0.0064	0.0019	0.00080	mg/Kg	☼	10/29/15 21:08	1
Endrin	0.0019	U	0.0064	0.0019	0.00083	mg/Kg	☼	10/29/15 21:08	1
Endrin aldehyde	0.0019	U	0.0064	0.0019	0.00083	mg/Kg	☼	10/29/15 21:08	1
Endrin ketone	0.0019	U	0.0064	0.0019	0.00076	mg/Kg	☼	10/29/15 21:08	1
gamma-BHC (Lindane)	0.0014	U	0.0064	0.0014	0.00053	mg/Kg	☼	10/29/15 21:08	1
gamma-Chlordane	**0.00073**	**J**	0.0064	0.0014	0.00068	mg/Kg	☼	10/29/15 21:08	1
Heptachlor	0.0019	U	0.0064	0.0019	0.00072	mg/Kg	☼	10/29/15 21:08	1
Heptachlor epoxide	0.0014	U	0.0064	0.0014	0.00061	mg/Kg	☼	10/29/15 21:08	1
Isodrin	0.0035	U	0.0064	0.0035	0.0013	mg/Kg	☼	10/29/15 21:08	1
Kepone	0.13	U	0.38	0.13	0.049	mg/Kg	☼	10/29/15 21:08	1
Methoxychlor	0.0028	U	0.0064	0.0028	0.0011	mg/Kg	☼	10/29/15 21:08	1
PCB-1016	0.087	U	0.12	0.087	0.042	mg/Kg	☼	10/29/15 21:08	1
PCB-1221	0.11	U	0.12	0.11	0.057	mg/Kg	☼	10/29/15 21:08	1
PCB-1232	0.049	U	0.12	0.049	0.020	mg/Kg	☼	10/29/15 21:08	1
PCB-1242	0.049	U	0.12	0.049	0.019	mg/Kg	☼	10/29/15 21:08	1
PCB-1248	0.076	U	0.12	0.076	0.031	mg/Kg	☼	10/29/15 21:08	1
PCB-1254	0.11	U	0.12	0.11	0.038	mg/Kg	☼	10/29/15 21:08	1
PCB-1260	0.087	U	0.12	0.087	0.036	mg/Kg	☼	10/29/15 21:08	1
Toxaphene	0.049	U	0.64	0.049	0.021	mg/Kg	☼	10/29/15 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*44 - 129*	*10/23/15 14:41*	*10/29/15 21:08*	*1*
Tetrachloro-m-xylene	*87*		*46 - 130*	*10/23/15 14:41*	*10/29/15 21:08*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.0070	U	0.032	0.0070	0.0028	mg/Kg	☼	10/31/15 21:36	5
alpha-BHC	0.0070	U	0.032	0.0070	0.0027	mg/Kg	☼	10/31/15 21:36	5
alpha-Chlordane	0.0070	U	0.032	0.0070	0.0034	mg/Kg	☼	10/31/15 21:36	5
beta-BHC	0.014	U	0.032	0.014	0.0062	mg/Kg	☼	10/31/15 21:36	5
Chlordane (technical)	0.13	U	0.32	0.13	0.055	mg/Kg	☼	10/31/15 21:36	5
Chlorobenzilate	1.1	U	1.9	1.1	0.45	mg/Kg	☼	10/31/15 21:36	5
4,4'-DDD	0.0070	U	0.032	0.0070	0.0034	mg/Kg	☼	10/31/15 21:36	5
4,4'-DDE	**0.096**	**D**	0.032	0.0070	0.0034	mg/Kg	☼	10/31/15 21:36	5
4,4'-DDT	**0.018**	**J D**	0.032	0.0095	0.0042	mg/Kg	☼	10/31/15 21:36	5
delta-BHC	0.0095	U	0.032	0.0095	0.0036	mg/Kg	☼	10/31/15 21:36	5
Dieldrin	0.0070	U	0.032	0.0070	0.0032	mg/Kg	☼	10/31/15 21:36	5
Endosulfan I	0.0070	U	0.032	0.0070	0.0032	mg/Kg	☼	10/31/15 21:36	5
Endosulfan II	0.0070	U	0.032	0.0070	0.0028	mg/Kg	☼	10/31/15 21:36	5
Endosulfan sulfate	0.0095	U	0.032	0.0095	0.0040	mg/Kg	☼	10/31/15 21:36	5
Endrin	0.0095	U	0.032	0.0095	0.0042	mg/Kg	☼	10/31/15 21:36	5
Endrin aldehyde	0.0095	U	0.032	0.0095	0.0042	mg/Kg	☼	10/31/15 21:36	5
Endrin ketone	0.0095	U	0.032	0.0095	0.0038	mg/Kg	☼	10/31/15 21:36	5
gamma-BHC (Lindane)	0.0070	U	0.032	0.0070	0.0027	mg/Kg	☼	10/31/15 21:36	5
gamma-Chlordane	0.0070	U	0.032	0.0070	0.0034	mg/Kg	☼	10/31/15 21:36	5
Heptachlor	0.0095	U	0.032	0.0095	0.0036	mg/Kg	☼	10/31/15 21:36	5
Heptachlor epoxide	0.0070	U	0.032	0.0070	0.0030	mg/Kg	☼	10/31/15 21:36	5
Isodrin	0.017	U	0.032	0.017	0.0064	mg/Kg	☼	10/31/15 21:36	5
Kepone	0.66	U	1.9	0.66	0.25	mg/Kg	☼	10/31/15 21:36	5
Methoxychlor	0.014	U	0.032	0.014	0.0053	mg/Kg	☼	10/31/15 21:36	5

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - DL (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1016	0.44	U	0.62	0.44	0.21	mg/Kg	☼	10/31/15 21:36	5
PCB-1221	0.57	U	0.62	0.57	0.28	mg/Kg	☼	10/31/15 21:36	5
PCB-1232	0.25	U	0.62	0.25	0.098	mg/Kg	☼	10/31/15 21:36	5
PCB-1242	0.25	U	0.62	0.25	0.095	mg/Kg	☼	10/31/15 21:36	5
PCB-1248	0.38	U	0.62	0.38	0.16	mg/Kg	☼	10/31/15 21:36	5
PCB-1254	0.57	U	0.62	0.57	0.19	mg/Kg	☼	10/31/15 21:36	5
PCB-1260	0.44	U	0.62	0.44	0.18	mg/Kg	☼	10/31/15 21:36	5
Toxaphene	0.25	U	3.2	0.25	0.10	mg/Kg	☼	10/31/15 21:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*44 - 129*	*10/23/15 14:41*	*10/31/15 21:36*	*5*
Tetrachloro-m-xylene	*79*		*46 - 130*	*10/23/15 14:41*	*10/31/15 21:36*	*5*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	390	U	780	390	140	ug/Kg	☼	11/06/15 03:42	10
Azinphos-ethyl	390	U	390	390	100	ug/Kg	☼	11/06/15 03:42	10
Azinphos-methyl	93	U	150	93	41	ug/Kg	☼	11/06/15 03:42	10
Bolstar	200	U	150	200	50	ug/Kg	☼	11/06/15 03:42	10
Chlorpyrifos	200	U	230	200	75	ug/Kg	☼	11/06/15 03:42	10
Coumaphos	93	U	150	93	33	ug/Kg	☼	11/06/15 03:42	10
Demeton-O	270	U	460	270	62	ug/Kg	☼	11/06/15 03:42	10
Demeton-S	120	U	180	120	57	ug/Kg	☼	11/06/15 03:42	10
Demeton, Total	200	U	460	200	88	ug/Kg	☼	11/06/15 03:42	10
Diazinon	200	U	260	200	85	ug/Kg	☼	11/06/15 03:42	10
Dichlorvos	200	U	270	200	86	ug/Kg	☼	11/06/15 03:42	10
Dimethoate	200	U	260	200	83	ug/Kg	☼	11/06/15 03:42	10
Disulfoton	200	U	560	200	90	ug/Kg	☼	11/06/15 03:42	10
EPN	93	U	150	93	43	ug/Kg	☼	11/06/15 03:42	10
Mocap	200	U	180	200	58	ug/Kg	☼	11/06/15 03:42	10
Ethyl Parathion	200	U	210	200	62	ug/Kg	☼	11/06/15 03:42	10
Famphur	93	U	150	93	38	ug/Kg	☼	11/06/15 03:42	10
Fensulfothion	200	U	290	200	95	ug/Kg	☼	11/06/15 03:42	10
Fenthion	390	U	390	390	100	ug/Kg	☼	11/06/15 03:42	10
Malathion	200	U	180	200	54	ug/Kg	☼	11/06/15 03:42	10
Merphos	200	U	350	200	60	ug/Kg	☼	11/06/15 03:42	10
Methyl parathion	200	U	230	200	74	ug/Kg	☼	11/06/15 03:42	10
Mevinphos	200	U	180	200	54	ug/Kg	☼	11/06/15 03:42	10
Phorate	200	U	230	200	67	ug/Kg	☼	11/06/15 03:42	10
Phosmet	780	U	780	780	230	ug/Kg	☼	11/06/15 03:42	10
Propazine	390	U	780	390	100	ug/Kg	☼	11/06/15 03:42	10
Ronnel	390	U	540	390	180	ug/Kg	☼	11/06/15 03:42	10
Simazine	780	U	780	780	260	ug/Kg	☼	11/06/15 03:42	10
Tetrachlorvinphos (Stirophos)	200	U	180	200	51	ug/Kg	☼	11/06/15 03:42	10
Sulfotepp	200	U	230	200	73	ug/Kg	☼	11/06/15 03:42	10
Thionazin	200	U	210	200	65	ug/Kg	☼	11/06/15 03:42	10
Tokuthion	93	U	230	93	46	ug/Kg	☼	11/06/15 03:42	10
Trichloronate	200	U	230	200	73	ug/Kg	☼	11/06/15 03:42	10
o,o',o''-Triethylphosphorothioate	200	U	460	200	92	ug/Kg	☼	11/06/15 03:42	10

Client Sample ID: AOPSL701

Lab Sample ID: 680-117942-66

Date Collected: 10/12/15 16:15
Matrix: Solid
Date Received: 10/17/15 09:50
Percent Solids: 78.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*125*	*D*	*47 - 161*	*10/26/15 18:52*	*11/06/15 03:42*	*10*

Method: 8141A - Organophosphorous Pesticides (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	7800	U	8200	7800	2600	ug/Kg	☼	11/05/15 18:58	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*112*	*D*	*47 - 161*	*10/26/15 18:52*	*11/05/15 18:58*	*100*

Method: 8151A DOD - Herbicides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.032	U	0.053	0.032	0.032	mg/Kg	☼	10/25/15 03:51	5
Dalapon	0.051	U	0.64	0.051	0.018	mg/Kg	☼	10/25/15 03:51	5
2,4-DB	0.032	U	0.053	0.032	0.019	mg/Kg	☼	10/25/15 03:51	5
Dicamba	0.032	U	0.053	0.032	0.012	mg/Kg	☼	10/25/15 03:51	5
Dichlorprop	0.013	U	0.053	0.013	0.0070	mg/Kg	☼	10/25/15 03:51	5
Dinoseb	0.032	U	0.32	0.032	0.029	mg/Kg	☼	10/25/15 03:51	5
MCPA	3.1	U	13	3.1	1.2	mg/Kg	☼	10/25/15 03:51	5
MCPP	3.1	U	13	3.1	1.1	mg/Kg	☼	10/25/15 03:51	5
Pentachlorophenol	0.0064	U	0.053	0.0064	0.0027	mg/Kg	☼	10/25/15 03:51	5
Silvex (2,4,5-TP)	0.032	U	0.053	0.032	0.010	mg/Kg	☼	10/25/15 03:51	5
2,4,5-T	0.032	U	0.053	0.032	0.015	mg/Kg	☼	10/25/15 03:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*93*	*M*	*27 - 122*	*10/23/15 07:43*	*10/25/15 03:51*	*5*

Client Sample ID: FB101415

Lab Sample ID: 680-117942-67

Date Collected: 10/14/15 13:35
Matrix: Water
Date Received: 10/17/15 09:50

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	1.1	U	11	1.1	0.31	ug/L		10/23/15 02:22	1
Azinphos-ethyl	0.53	U	0.74	0.53	0.22	ug/L		10/23/15 02:22	1
Azinphos-methyl	0.53	U	2.6	0.53	0.18	ug/L		10/23/15 02:22	1
Bolstar	1.1	U	1.1	1.1	0.33	ug/L		10/23/15 02:22	1
Chlorpyrifos	1.1	U	1.6	1.1	0.38	ug/L		10/23/15 02:22	1
Coumaphos	0.53	U	1.1	0.53	0.14	ug/L		10/23/15 02:22	1
Demeton-O	0.23	U	1.1	0.23	0.15	ug/L		10/23/15 02:22	1
Demeton-S	0.10	U	2.1	0.10	0.073	ug/L		10/23/15 02:22	1
Demeton, Total	0.53	U	3.2	0.53	0.22	ug/L		10/23/15 02:22	1
Diazinon	0.53	U	0.53	0.53	0.16	ug/L		10/23/15 02:22	1
Dichlorvos	0.53	U	0.53	0.53	0.17	ug/L		10/23/15 02:22	1
Dimethoate	1.1	U	1.6	1.1	0.47	ug/L		10/23/15 02:22	1
Disulfoton	1.1	U	1.1	1.1	0.34	ug/L		10/23/15 02:22	1
EPN	0.53	U	1.3	0.53	0.16	ug/L		10/23/15 02:22	1
Ethyl Parathion	0.53	U	1.1	0.53	0.15	ug/L		10/23/15 02:22	1
Famphur	0.53	U	1.1	0.53	0.19	ug/L		10/23/15 02:22	1
Fensulfothion	2.1	U	2.6	2.1	0.58	ug/L		10/23/15 02:22	1
Fenthion	0.53	U	2.6	0.53	0.16	ug/L		10/23/15 02:22	1
Malathion	0.53	U	2.1	0.53	0.14	ug/L		10/23/15 02:22	1

Client Sample ID: FB101415

Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67
Matrix: Water

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Merphos	0.53	U	5.3	0.53	0.18	ug/L		10/23/15 02:22	1
Methyl parathion	0.53	U	4.2	0.53	0.15	ug/L		10/23/15 02:22	1
Mevinphos	1.1	U	6.6	1.1	0.49	ug/L		10/23/15 02:22	1
Mocap	0.53	U	1.6	0.53	0.19	ug/L		10/23/15 02:22	1
Naled	2.1	U	2.1	2.1	0.85	ug/L		10/23/15 02:22	1
o,o',o''-Triethylphosphorothioate	0.53	U	0.53	0.53	0.15	ug/L		10/23/15 02:22	1
Phorate	0.53	U	1.3	0.53	0.16	ug/L		10/23/15 02:22	1
Phosmet	1.1	U	1.6	1.1	0.50	ug/L		10/23/15 02:22	1
Propazine	1.1	U	11	1.1	0.31	ug/L		10/23/15 02:22	1
Ronnel	0.27	U	11	0.27	0.12	ug/L		10/23/15 02:22	1
Simazine	0.53	U	11	0.53	0.24	ug/L		10/23/15 02:22	1
Sulfotepp	0.53	U	1.6	0.53	0.18	ug/L		10/23/15 02:22	1
Tetrachlorvinphos (Stirophos)	0.27	U	3.7	0.27	0.13	ug/L		10/23/15 02:22	1
Thionazin	1.1	U	1.1	1.1	0.33	ug/L		10/23/15 02:22	1
Tokuthion	0.27	U	1.7	0.27	0.13	ug/L		10/23/15 02:22	1
Trichloronate	0.53	U	1.6	0.53	0.26	ug/L		10/23/15 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Chlormefos	*85*		*49 - 171*	*10/21/15 14:12*	*10/23/15 02:22*	*1*
Triphenylphosphate	*121*		*60 - 154*	*10/21/15 14:12*	*10/23/15 02:22*	*1*

Client Sample ID: EB101415

Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68
Matrix: Water

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	1.0	U	10	1.0	0.31	ug/L		10/23/15 02:52	1
Azinphos-ethyl	0.52	U	0.73	0.52	0.21	ug/L		10/23/15 02:52	1
Azinphos-methyl	0.52	U	2.6	0.52	0.18	ug/L		10/23/15 02:52	1
Bolstar	1.0	U	1.0	1.0	0.33	ug/L		10/23/15 02:52	1
Chlorpyrifos	1.0	U	1.6	1.0	0.38	ug/L		10/23/15 02:52	1
Coumaphos	0.52	U	1.0	0.52	0.14	ug/L		10/23/15 02:52	1
Demeton-O	0.23	U	1.0	0.23	0.15	ug/L		10/23/15 02:52	1
Demeton-S	0.10	U	2.1	0.10	0.072	ug/L		10/23/15 02:52	1
Demeton, Total	0.52	U	3.1	0.52	0.22	ug/L		10/23/15 02:52	1
Diazinon	0.52	U	0.52	0.52	0.15	ug/L		10/23/15 02:52	1
Dichlorvos	0.52	U	0.52	0.52	0.17	ug/L		10/23/15 02:52	1
Dimethoate	1.0	U	1.6	1.0	0.47	ug/L		10/23/15 02:52	1
Disulfoton	1.0	U	1.0	1.0	0.34	ug/L		10/23/15 02:52	1
EPN	0.52	U	1.3	0.52	0.16	ug/L		10/23/15 02:52	1
Ethyl Parathion	0.52	U	1.0	0.52	0.15	ug/L		10/23/15 02:52	1
Famphur	0.52	U	1.0	0.52	0.19	ug/L		10/23/15 02:52	1
Fensulfothion	2.1	U	2.6	2.1	0.57	ug/L		10/23/15 02:52	1
Fenthion	0.52	U	2.6	0.52	0.16	ug/L		10/23/15 02:52	1
Malathion	0.52	U	2.1	0.52	0.14	ug/L		10/23/15 02:52	1
Merphos	0.52	U	5.2	0.52	0.18	ug/L		10/23/15 02:52	1
Methyl parathion	0.52	U	4.2	0.52	0.15	ug/L		10/23/15 02:52	1
Mevinphos	1.0	U	6.5	1.0	0.48	ug/L		10/23/15 02:52	1
Mocap	0.52	U	1.6	0.52	0.18	ug/L		10/23/15 02:52	1

Client Sample ID: EB101415
Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68
Matrix: Water

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Naled	2.1	U	2.1	2.1	0.84	ug/L		10/23/15 02:52	1
o,o',o''-Triethylphosphorothioate	0.52	U	0.52	0.52	0.15	ug/L		10/23/15 02:52	1
Phorate	0.52	U	1.3	0.52	0.16	ug/L		10/23/15 02:52	1
Phosmet	1.0	U	1.6	1.0	0.50	ug/L		10/23/15 02:52	1
Propazine	1.0	U	10	1.0	0.31	ug/L		10/23/15 02:52	1
Ronnel	0.27	U	10	0.27	0.12	ug/L		10/23/15 02:52	1
Simazine	0.52	U	10	0.52	0.23	ug/L		10/23/15 02:52	1
Sulfotepp	0.52	U	1.6	0.52	0.18	ug/L		10/23/15 02:52	1
Tetrachlorvinphos (Stirophos)	0.27	U	3.7	0.27	0.13	ug/L		10/23/15 02:52	1
Thionazin	1.0	U	1.0	1.0	0.33	ug/L		10/23/15 02:52	1
Tokuthion	0.27	U	1.7	0.27	0.13	ug/L		10/23/15 02:52	1
Trichloronate	0.52	U	1.6	0.52	0.25	ug/L		10/23/15 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Chlormefos	*71*		*49 - 171*	*10/21/15 14:12*	*10/23/15 02:52*	*1*
Triphenylphosphate	*113*		*60 - 154*	*10/21/15 14:12*	*10/23/15 02:52*	*1*

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-407026/21-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407026

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acenaphthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Acenaphthylene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[a]anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[a]pyrene	0.0033	U	0.0066	0.0033	0.0012	mg/Kg		10/28/15 14:26	1
Benzo[b]fluoranthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[g,h,i]perylene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Benzo[k]fluoranthene	0.0033	U	0.0066	0.0033	0.0020	mg/Kg		10/28/15 14:26	1
Chrysene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Fluoranthene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Fluorene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Indeno[1,2,3-cd]pyrene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Dibenz(a,h)anthracene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Naphthalene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
Phenanthrene	0.0033	U	0.0066	0.0033	0.0024	mg/Kg		10/28/15 14:26	1
Pyrene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1
1-Methylnaphthalene	0.0033	U	0.0066	0.0033	0.0031	mg/Kg		10/28/15 14:26	1
2-Methylnaphthalene	0.0066	U	0.0066	0.0066	0.0033	mg/Kg		10/28/15 14:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*36 - 131*	*10/24/15 09:57*	*10/28/15 14:26*	*1*

Lab Sample ID: LCS 680-407026/22-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.335	0.194		mg/Kg		58	40 - 123
Acenaphthylene	0.335	0.185		mg/Kg		55	32 - 132
Anthracene	0.335	0.197		mg/Kg		59	47 - 123
Benzo[a]anthracene	0.335	0.214		mg/Kg		64	49 - 126
Benzo[a]pyrene	0.335	0.222		mg/Kg		66	45 - 129
Benzo[b]fluoranthene	0.335	0.200		mg/Kg		60	45 - 132
Benzo[g,h,i]perylene	0.335	0.202		mg/Kg		60	43 - 134
Benzo[k]fluoranthene	0.335	0.220		mg/Kg		66	47 - 132
Chrysene	0.335	0.211		mg/Kg		63	50 - 124
Fluoranthene	0.335	0.200		mg/Kg		60	50 - 127
Fluorene	0.335	0.215		mg/Kg		64	43 - 125
Indeno[1,2,3-cd]pyrene	0.335	0.207		mg/Kg		62	45 - 133
Dibenz(a,h)anthracene	0.335	0.205		mg/Kg		61	45 - 134
Naphthalene	0.335	0.192		mg/Kg		57	35 - 123
Phenanthrene	0.335	0.227		mg/Kg		68	50 - 121
Pyrene	0.335	0.192		mg/Kg		57	47 - 127
1-Methylnaphthalene	0.335	0.197		mg/Kg		59	40 - 119
2-Methylnaphthalene	0.335	0.214		mg/Kg		64	38 - 122

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-407026/22-A
Matrix: Solid
Analysis Batch: 407777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407026

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	56		36 - 131

Lab Sample ID: 680-117942-D-43-Q MS
Matrix: Solid
Analysis Batch: 408042

Client Sample ID: 680-117942-D-43-Q MS
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.20	D J	1.82	1.17	D	mg/Kg	☼	53	40 - 123
Acenaphthylene	0.18	U	1.82	1.00	D	mg/Kg	☼	55	32 - 132
Anthracene	0.26	D J	1.82	1.26	D	mg/Kg	☼	55	47 - 123
Benzo[a]anthracene	1.8	D J	1.82	2.81	D	mg/Kg	☼	54	49 - 126
Benzo[a]pyrene	1.8	D J	1.82	2.65	D	mg/Kg	☼	49	45 - 129
Benzo[b]fluoranthene	2.2	D M J	1.82	3.02	D J	mg/Kg	☼	42	45 - 132
Benzo[g,h,i]perylene	1.3	D J	1.82	2.28	D	mg/Kg	☼	53	43 - 134
Benzo[k]fluoranthene	1.2	D M J	1.82	1.97	D J	mg/Kg	☼	43	47 - 132
Chrysene	2.1	D J	1.82	2.83	D J	mg/Kg	☼	43	50 - 124
Fluoranthene	4.0	D J	1.82	4.33	D J	mg/Kg	☼	20	50 - 127
Fluorene	0.18	U J	1.82	1.20	D	mg/Kg	☼	66	43 - 125
Indeno[1,2,3-cd]pyrene	1.4	D J	1.82	2.39	D	mg/Kg	☼	55	45 - 133
Dibenz(a,h)anthracene	0.39	D J	1.82	1.42	D	mg/Kg	☼	57	45 - 134
Naphthalene	0.18	U	1.82	0.943	D	mg/Kg	☼	52	35 - 123
Phenanthrene	2.1	D J	1.82	2.96	D J	mg/Kg	☼	46	50 - 121
Pyrene	3.2	D J	1.82	3.80	D J	mg/Kg	☼	32	47 - 127
1-Methylnaphthalene	0.087	U	1.82	1.01	D	mg/Kg	☼	56	40 - 119
2-Methylnaphthalene	0.18	U	1.82	1.04	D	mg/Kg	☼	57	38 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	64		36 - 131

Lab Sample ID: 680-117942-D-43-R MSD
Matrix: Solid
Analysis Batch: 408042

Client Sample ID: 680-117942-D-43-R MSD
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.20	D J	1.83	1.90	D J	mg/Kg	☼	93	40 - 123	48	20
Acenaphthylene	0.18	U	1.83	0.853	D	mg/Kg	☼	47	32 - 132	16	20
Anthracene	0.26	D J	1.83	2.14	D J	mg/Kg	☼	103	47 - 123	52	20
Benzo[a]anthracene	1.8	D J	1.83	5.60	D J	mg/Kg	☼	206	49 - 126	66	20
Benzo[a]pyrene	1.8	D J	1.83	5.17	D J	mg/Kg	☼	186	45 - 129	64	20
Benzo[b]fluoranthene	2.2	D M J	1.83	6.49	D M J	mg/Kg	☼	232	45 - 132	73	20
Benzo[g,h,i]perylene	1.3	D J	1.83	3.79	D J	mg/Kg	☼	135	43 - 134	50	20
Benzo[k]fluoranthene	1.2	D M J	1.83	2.91	D M J	mg/Kg	☼	94	47 - 132	38	20
Chrysene	2.1	D J	1.83	5.54	D J	mg/Kg	☼	190	50 - 124	65	20
Fluoranthene	4.0	D J	1.83	11.6	D J	mg/Kg	☼	420	50 - 127	92	20
Fluorene	0.18	U J	1.83	1.48	D J	mg/Kg	☼	81	43 - 125	21	20
Indeno[1,2,3-cd]pyrene	1.4	D J	1.83	3.91	D J	mg/Kg	☼	137	45 - 133	48	20
Dibenz(a,h)anthracene	0.39	D J	1.83	1.80	D J	mg/Kg	☼	77	45 - 134	24	20
Naphthalene	0.18	U	1.83	1.02	D	mg/Kg	☼	56	35 - 123	8	20

Method: 8270D DOD - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-117942-D-43-R MSD
Matrix: Solid
Analysis Batch: 408042

Client Sample ID: 680-117942-D-43-R MSD
Prep Type: Total/NA
Prep Batch: 407026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	2.1	D J	1.83	9.59	D J	mg/Kg	☼	407	50 - 121	106	20
Pyrene	3.2	D J	1.83	8.77	D J	mg/Kg	☼	303	47 - 127	79	20
1-Methylnaphthalene	0.087	U	1.83	1.05	D	mg/Kg	☼	57	40 - 119	4	20
2 Methylnaphthalene	0 18	U	1 83	1 08	D	mg/Kg	☼	59	38 - 122	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*50*		*36 - 131*

Method: 8015C GRO - Gasoline Range Organics (GRO)

Lab Sample ID: MB 680-407291/28
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/26/15 01:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*68 - 134*		*10/26/15 01:06*	*1*

Lab Sample ID: MB 680-407291/8
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/25/15 16:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*119*		*68 - 134*		*10/25/15 16:17*	*1*

Lab Sample ID: LCS 680-407291/26
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	1.04		mg/Kg		104	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*117*		*68 - 134*

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: LCS 680-407291/6
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.943		mg/Kg		94	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*114*		*68 - 134*

Lab Sample ID: LCSD 680-407291/27
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.979		mg/Kg		98	79 - 122	6	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*119*		*68 - 134*

Lab Sample ID: LCSD 680-407291/7
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.978		mg/Kg		98	79 - 122	4	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*111*		*68 - 134*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10	1.3	U	4.66	4.26		mg/Kg	☼	91	79 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*134*		*68 - 134*

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	1.3	U	5.13	4.64		mg/Kg	☼	90	79 - 122	8	50

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 407291

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 407324

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*134*		*68 - 134*

Lab Sample ID: MB 680-407346/6
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/26/15 10:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*111*		*68 - 134*		*10/26/15 10:58*	*1*

Lab Sample ID: LCS 680-407346/4
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10			1.00	0.991		mg/Kg		99	79 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*112*		*68 - 134*

Lab Sample ID: LCSD 680-407346/5
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10			1.00	0.985		mg/Kg		98	79 - 122	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*113*		*68 - 134*

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C6-C10	0.58	J	5.53	5.31		mg/Kg	☼	86	79 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*136*	*Q*	*68 - 134*

Method: 8015C GRO - Gasoline Range Organics (GRO) (Continued)

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 407346

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	0.58	J	5.23	5.23		mg/Kg	☼	89	79 - 122	2	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*137*	*Q*	*68 - 134*

Lab Sample ID: MB 680-407433/6
Matrix: Solid
Analysis Batch: 407433

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.25	U	0.25	0.25	0.10	mg/Kg		10/27/15 01:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*68 - 134*		*10/27/15 01:52*	*1*

Lab Sample ID: LCS 680-407433/4
Matrix: Solid
Analysis Batch: 407433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	1.00	1.03		mg/Kg		103	79 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*68 - 134*

Lab Sample ID: LCSD 680-407433/5
Matrix: Solid
Analysis Batch: 407433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	1.00	1.01		mg/Kg		101	79 - 122	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*114*		*68 - 134*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 680-406985/21-A
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406985

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.0	U	3.3	3.0	2.1	mg/Kg		10/28/15 02:59	1
Oil Range Organics (C20-C36)	20	U	20	20	20	mg/Kg		10/28/15 02:59	1

Method: 8015C DRO - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 680-406985/21-A
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406985

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
JP-4 Fuel	6.6	U	6.6	6.6	6.6	mg/Kg		10/28/15 02:59	1
JP-5	3.3	U	3.3	3.3	3.3	mg/Kg		10/28/15 02:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*84*		*45 - 130*	*10/23/15 10:29*	*10/28/15 02:59*	*1*

Lab Sample ID: LCS 680-406985/22-A
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	33.4	27.5		mg/Kg		82	38 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*92*		*45 - 130*

Lab Sample ID: LCS 680-406985/25-A
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil Range Organics (C20-C36)	65.9	63.5		mg/Kg		96	13 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*103*		*45 - 130*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406985

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	170	U	179	199	D	mg/Kg	☼	111	38 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406985

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406985

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	170	U	181	191	D	mg/Kg	☼	106	38 - 132	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 407605

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406985

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: MB 680-407038/7-A
Matrix: Solid
Analysis Batch: 408225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407038

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.0	U	3.3	3.0	2.1	mg/Kg		10/31/15 00:27	1
Oil Range Organics (C20-C36)	20	U	20	20	20	mg/Kg		10/31/15 00:27	1
JP-4 Fuel	6.6	U	6.6	6.6	6.6	mg/Kg		10/31/15 00:27	1
JP-5	3.3	U	3.3	3.3	3.3	mg/Kg		10/31/15 00:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*91*		*45 - 130*	*10/23/15 14:41*	*10/31/15 00:27*	*1*

Lab Sample ID: LCS 680-407038/11-A
Matrix: Solid
Analysis Batch: 408225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil Range Organics (C20-C36)	66.4	65.3		mg/Kg		98	13 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*102*		*45 - 130*

Lab Sample ID: LCS 680-407038/8-A
Matrix: Solid
Analysis Batch: 408225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	33.3	27.0		mg/Kg		81	38 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*98*		*45 - 130*

Method: 8015C DRO - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408225

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	87	U J	193	88.2	J D	mg/Kg	☼	46	38 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408225

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	87	U J	191	86	U J	mg/Kg	☼	0	38 - 132	200	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*0*	*D*	*45 - 130*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-406986/21-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406986

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.00038	U	0.0017	0.00038	0.00015	mg/Kg		10/30/15 14:44	1
alpha-BHC	0.00038	U	0.0017	0.00038	0.00014	mg/Kg		10/30/15 14:44	1
alpha-Chlordane	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
beta-BHC	0.00074	U	0.0017	0.00074	0.00034	mg/Kg		10/30/15 14:44	1
Chlordane (technical)	0.0068	U	0.017	0.0068	0.0029	mg/Kg		10/30/15 14:44	1
Chlorobenzilate	0.059	U	0.10	0.059	0.024	mg/Kg		10/30/15 14:44	1
4,4'-DDD	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
4,4'-DDE	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
4,4'-DDT	0.00051	U	0.0017	0.00051	0.00022	mg/Kg		10/30/15 14:44	1
delta-BHC	0.00051	U	0.0017	0.00051	0.00019	mg/Kg		10/30/15 14:44	1
Dieldrin	0.00038	U	0.0017	0.00038	0.00017	mg/Kg		10/30/15 14:44	1
Endosulfan I	0.00038	U	0.0017	0.00038	0.00017	mg/Kg		10/30/15 14:44	1
Endosulfan II	0.00038	U	0.0017	0.00038	0.00015	mg/Kg		10/30/15 14:44	1
Endosulfan sulfate	0.00051	U	0.0017	0.00051	0.00021	mg/Kg		10/30/15 14:44	1
Endrin	0.00051	U	0.0017	0.00051	0.00022	mg/Kg		10/30/15 14:44	1
Endrin aldehyde	0.00051	U	0.0017	0.00051	0.00022	mg/Kg		10/30/15 14:44	1
Endrin ketone	0.00051	U	0.0017	0.00051	0.00020	mg/Kg		10/30/15 14:44	1
gamma-BHC (Lindane)	0.00038	U	0.0017	0.00038	0.00014	mg/Kg		10/30/15 14:44	1
gamma-Chlordane	0.00038	U	0.0017	0.00038	0.00018	mg/Kg		10/30/15 14:44	1
Heptachlor	0.00051	U	0.0017	0.00051	0.00019	mg/Kg		10/30/15 14:44	1
Heptachlor epoxide	0.00038	U	0.0017	0.00038	0.00016	mg/Kg		10/30/15 14:44	1
Isodrin	0.00094	U	0.0017	0.00094	0.00035	mg/Kg		10/30/15 14:44	1
Kepone	0.036	U	0.10	0.036	0.013	mg/Kg		10/30/15 14:44	1
Methoxychlor	0.00074	U	0.0017	0.00074	0.00028	mg/Kg		10/30/15 14:44	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-406986/21-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406986

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1016	0.023	U	0.034	0.023	0.011	mg/Kg		10/30/15 14:44	1
PCB-1221	0.031	U	0.034	0.031	0.015	mg/Kg		10/30/15 14:44	1
PCB-1232	0.013	U	0.034	0.013	0.0053	mg/Kg		10/30/15 14:44	1
PCB-1242	0.013	U	0.034	0.013	0.0051	mg/Kg		10/30/15 14:44	1
PCB-1248	0.020	U	0.034	0.020	0.0083	mg/Kg		10/30/15 14:44	1
PCB-1254	0.031	U	0.034	0.031	0.010	mg/Kg		10/30/15 14:44	1
PCB-1260	0.023	U	0.034	0.023	0.0098	mg/Kg		10/30/15 14:44	1
Toxaphene	0.013	U	0.17	0.013	0.0056	mg/Kg		10/30/15 14:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*44 - 129*	*10/23/15 11:50*	*10/30/15 14:44*	*1*
Tetrachloro-m-xylene	*81*		*46 - 130*	*10/23/15 11:50*	*10/30/15 14:44*	*1*

Lab Sample ID: LCS 680-406986/22-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.396	0.363		mg/Kg		92	47 - 134
PCB-1260	0.396	0.364		mg/Kg		92	53 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*44 - 129*
Tetrachloro-m-xylene	*83*		*46 - 130*

Lab Sample ID: LCS 680-406986/25-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.00653	0.00575		mg/Kg		88	45 - 136
alpha-BHC	0.00653	0.00532		mg/Kg		82	45 - 137
alpha-Chlordane	0.00653	0.00629		mg/Kg		96	54 - 133
beta-BHC	0.00653	0.00591		mg/Kg		91	50 - 136
4,4'-DDD	0.00653	0.00540		mg/Kg		83	56 - 139
4,4'-DDE	0.00653	0.00611		mg/Kg		94	56 - 134
4,4'-DDT	0.00653	0.00653		mg/Kg		100	50 - 141
delta-BHC	0.00653	0.00579		mg/Kg		89	47 - 139
Dieldrin	0.00653	0.00584		mg/Kg		89	56 - 136
Endosulfan I	0.00653	0.00375		mg/Kg		58	53 - 132
Endosulfan II	0.00653	0.00449		mg/Kg		69	53 - 134
Endosulfan sulfate	0.00653	0.00614		mg/Kg		94	55 - 136
Endrin	0.00653	0.00658		mg/Kg		101	57 - 140
Endrin aldehyde	0.00653	0.00564		mg/Kg		86	35 - 137
Endrin ketone	0.00653	0.00607		mg/Kg		93	55 - 136
gamma-BHC (Lindane)	0.00653	0.00526		mg/Kg		81	49 - 135
gamma-Chlordane	0.00653	0.00648		mg/Kg		99	53 - 135
Heptachlor	0.00653	0.00584		mg/Kg		89	47 - 136

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-406986/25-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	0.00653	0.00599		mg/Kg		92	52 - 136
Methoxychlor	0.00653	0.00733		mg/Kg		112	52 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*44 - 129*
Tetrachloro-m-xylene	*72*		*46 - 130*

Lab Sample ID: LCS 680-406986/28-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.987	0.964		mg/Kg		98	57 - 142
Isodrin	0.0165	0.0145		mg/Kg		88	16 - 130
Kepone	0.987	1.72	Q	mg/Kg		174	10 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*44 - 129*
Tetrachloro-m-xylene	*76*		*46 - 130*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.39	U	1.33	1.20	D	mg/Kg	☼	90	47 - 134
PCB-1260	0.39	U J	1.33	1.33	D	mg/Kg	☼	100	53 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*110*	*M*	*44 - 129*
Tetrachloro-m-xylene	*77*		*46 - 130*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0063	U	0.0225	0.0217	J D	mg/Kg	☼	96	45 - 136
alpha-BHC	0.0063	U	0.0225	0.0177	J D	mg/Kg	☼	79	45 - 137
alpha-Chlordane	0.0063	U	0.0225	0.0248	J D M	mg/Kg	☼	110	54 - 133
beta-BHC	0.012	U	0.0225	0.0202	J D	mg/Kg	☼	90	50 - 136
4,4'-DDD	0.0063	U	0.0225	0.0244	J D M	mg/Kg	☼	109	56 - 139
4,4'-DDE	0.050	D	0.0225	0.0762	D M	mg/Kg	☼	118	56 - 134
4,4'-DDT	0.026	J D M J	0.0225	0.0548	D M	mg/Kg	☼	129	50 - 141
delta-BHC	0.0085	U	0.0225	0.0190	J D	mg/Kg	☼	85	47 - 139
Dieldrin	0.17	D M J	0.0225	0.212	D M 4	mg/Kg	☼	179	56 - 136
Endosulfan I	0.0063	U	0.0225	0.0169	J D M	mg/Kg	☼	75	53 - 132

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan II	0.0063	U J	0.0225	0.0167	J D M	mg/Kg	☼	74	53 - 134
Endosulfan sulfate	0.0085	U	0.0225	0.0223	J D M	mg/Kg	☼	99	55 - 136
Endrin	0.0085	U J	0.0225	0.0653	D M J	mg/Kg	☼	290	57 - 140
Endrin aldehyde	0.0085	U J	0.0225	0.0288	J D M	mg/Kg	☼	128	35 - 137
Endrin ketone	0.012	J D M J	0.0225	0.0348	D M	mg/Kg	☼	102	55 - 136
gamma-BHC (Lindane)	0.0063	U J	0.0225	0.0182	J D	mg/Kg	☼	81	49 - 135
gamma-Chlordane	0.0063	U	0.0225	0.0230	J D M	mg/Kg	☼	102	53 - 135
Heptachlor	0.0085	U	0.0225	0.0210	J D	mg/Kg	☼	93	47 - 136
Heptachlor epoxide	0.0063	U	0.0225	0.0248	J D M	mg/Kg	☼	110	52 - 136

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.98	U Q	3.17	4.04	D	mg/Kg	☼	127	57 - 142
Isodrin	0.016	U	0.0529	0.0462	D	mg/Kg	☼	87	16 - 130
Kepone	0.59	U J Q	3.17	4.04	D	mg/Kg	☼	127	10 - 138

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.39	U	1.28	1.21	D	mg/Kg	☼	94	47 - 134	0	30
PCB-1260	0.39	U J	1.28	1.31	D	mg/Kg	☼	102	53 - 140	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*115*	*M*	*44 - 129*
Tetrachloro-m-xylene	*81*		*46 - 130*

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0063	U	0.0226	0.0225	J D	mg/Kg	☼	100	45 - 136	4	30
alpha-BHC	0.0063	U	0.0226	0.0193	J D	mg/Kg	☼	85	45 - 137	9	30
alpha-Chlordane	0.0063	U	0.0226	0.0251	J D M	mg/Kg	☼	111	54 - 133	1	30
beta-BHC	0.012	U	0.0226	0.0197	J D	mg/Kg	☼	87	50 - 136	3	30
4,4'-DDD	0.0063	U	0.0226	0.0268	J D M	mg/Kg	☼	118	56 - 139	9	30
4,4'-DDE	0.050	D	0.0226	0.0684	D M	mg/Kg	☼	82	56 - 134	11	30
4,4'-DDT	0.026	J D M J	0.0226	0.0603	D M J	mg/Kg	☼	153	50 - 141	10	30
delta-BHC	0.0085	U	0.0226	0.0198	J D	mg/Kg	☼	88	47 - 139	4	30
Dieldrin	0.17	D M J	0.0226	0.199	D M 4	mg/Kg	☼	121	56 - 136	6	30
Endosulfan I	0.0063	U	0.0226	0.0211	J D M	mg/Kg	☼	93	53 - 132	22	30
Endosulfan II	0.0063	U J	0.0226	0.0183	J D M	mg/Kg	☼	81	53 - 134	9	30
Endosulfan sulfate	0.0085	U	0.0226	0.0241	J D M	mg/Kg	☼	106	55 - 136	8	30

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin	0.0085	U J	0.0226	0.122	D M J	mg/Kg	☼	540	57 - 140	61	30
Endrin aldehyde	0.0085	U J	0.0226	0.0438	D M J	mg/Kg	☼	194	35 - 137	41	30
Endrin ketone	0.012	J D M J	0.0226	0.0421	D M	mg/Kg	☼	134	55 - 136	19	30
gamma-BHC (Lindane)	0.0063	U J	0.0226	0.0197	J D	mg/Kg	☼	87	49 - 135	8	30
gamma-Chlordane	0.0063	U	0.0226	0.0235	J D M	mg/Kg	☼	104	53 - 135	2	30
Heptachlor	0.0085	U	0.0226	0.0227	J D	mg/Kg	☼	100	47 - 136	8	30
Heptachlor epoxide	0.0063	U	0.0226	0.0269	J D M	mg/Kg	☼	119	52 - 136	8	30

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 408335

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzilate	0.98	U Q	3.12	4.07	D	mg/Kg	☼	130	57 - 142	1	30
Isodrin	0.016	U	0.0520	0.0483	D	mg/Kg	☼	93	16 - 130	4	30
Kepone	0.59	U J Q	3.12	4.07	D	mg/Kg	☼	130	10 - 138	1	30

Lab Sample ID: MB 680-407039/7-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407039

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Aldrin	0.00037	U	0.0017	0.00037	0.00015	mg/Kg		10/30/15 15:46	1
alpha-BHC	0.00037	U	0.0017	0.00037	0.00014	mg/Kg		10/30/15 15:46	1
alpha-Chlordane	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/30/15 15:46	1
beta-BHC	0.00073	U	0.0017	0.00073	0.00033	mg/Kg		10/30/15 15:46	1
Chlordane (technical)	0.0067	U	0.017	0.0067	0.0029	mg/Kg		10/30/15 15:46	1
Chlorobenzilate	0.058	U	0.10	0.058	0.024	mg/Kg		10/30/15 15:46	1
4,4'-DDD	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/30/15 15:46	1
4,4'-DDE	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/30/15 15:46	1
4,4'-DDT	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/30/15 15:46	1
delta-BHC	0.00050	U	0.0017	0.00050	0.00019	mg/Kg		10/30/15 15:46	1
Dieldrin	0.00037	U	0.0017	0.00037	0.00017	mg/Kg		10/30/15 15:46	1
Endosulfan I	0.00037	U	0.0017	0.00037	0.00017	mg/Kg		10/30/15 15:46	1
Endosulfan II	0.00037	U	0.0017	0.00037	0.00015	mg/Kg		10/30/15 15:46	1
Endosulfan sulfate	0.00050	U	0.0017	0.00050	0.00021	mg/Kg		10/30/15 15:46	1
Endrin	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/30/15 15:46	1
Endrin aldehyde	0.00050	U	0.0017	0.00050	0.00022	mg/Kg		10/30/15 15:46	1
Endrin ketone	0.00050	U	0.0017	0.00050	0.00020	mg/Kg		10/30/15 15:46	1
gamma-BHC (Lindane)	0.00037	U	0.0017	0.00037	0.00014	mg/Kg		10/30/15 15:46	1
gamma-Chlordane	0.00037	U	0.0017	0.00037	0.00018	mg/Kg		10/30/15 15:46	1
Heptachlor	0.00050	U	0.0017	0.00050	0.00019	mg/Kg		10/30/15 15:46	1
Heptachlor epoxide	0.00037	U	0.0017	0.00037	0.00016	mg/Kg		10/30/15 15:46	1
Isodrin	0.00092	U	0.0017	0.00092	0.00034	mg/Kg		10/30/15 15:46	1
Kepone	0.035	U	0.10	0.035	0.013	mg/Kg		10/30/15 15:46	1
Methoxychlor	0.00073	U	0.0017	0.00073	0.00028	mg/Kg		10/30/15 15:46	1
PCB-1016	0.023	U	0.033	0.023	0.011	mg/Kg		10/30/15 15:46	1
PCB-1221	0.030	U	0.033	0.030	0.015	mg/Kg		10/30/15 15:46	1
PCB-1232	0.013	U	0.033	0.013	0.0052	mg/Kg		10/30/15 15:46	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-407039/7-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407039

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1242	0.013	U	0.033	0.013	0.0050	mg/Kg		10/30/15 15:46	1
PCB-1248	0.020	U	0.033	0.020	0.0082	mg/Kg		10/30/15 15:46	1
PCB-1254	0.030	U	0.033	0.030	0.010	mg/Kg		10/30/15 15:46	1
PCB-1260	0.023	U	0.033	0.023	0.0096	mg/Kg		10/30/15 15:46	1
Toxaphene	0.013	U	0.17	0.013	0.0055	mg/Kg		10/30/15 15:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*44 - 129*	*10/23/15 14:41*	*10/30/15 15:46*	*1*
Tetrachloro-m-xylene	*87*		*46 - 130*	*10/23/15 14:41*	*10/30/15 15:46*	*1*

Lab Sample ID: LCS 680-407039/11-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.00660	0.00630		mg/Kg		95	45 - 136
alpha-BHC	0.00660	0.00597		mg/Kg		91	45 - 137
alpha-Chlordane	0.00660	0.00695		mg/Kg		105	54 - 133
beta-BHC	0.00660	0.00647		mg/Kg		98	50 - 136
4,4'-DDD	0.00660	0.00634		mg/Kg		96	56 - 139
4,4'-DDE	0.00660	0.00686		mg/Kg		104	56 - 134
4,4'-DDT	0.00660	0.00748		mg/Kg		113	50 - 141
delta-BHC	0.00660	0.00644		mg/Kg		98	47 - 139
Dieldrin	0.00660	0.00657		mg/Kg		100	56 - 136
Endosulfan I	0.00660	0.00424		mg/Kg		64	53 - 132
Endosulfan II	0.00660	0.00516		mg/Kg		78	53 - 134
Endosulfan sulfate	0.00660	0.00767		mg/Kg		116	55 - 136
Endrin	0.00660	0.00759		mg/Kg		115	57 - 140
Endrin aldehyde	0.00660	0.00656		mg/Kg		99	35 - 137
Endrin ketone	0.00660	0.00696		mg/Kg		105	55 - 136
gamma-BHC (Lindane)	0.00660	0.00584		mg/Kg		88	49 - 135
gamma-Chlordane	0.00660	0.00701		mg/Kg		106	53 - 135
Heptachlor	0.00660	0.00640		mg/Kg		97	47 - 136
Heptachlor epoxide	0.00660	0.00656		mg/Kg		99	52 - 136
Methoxychlor	0.00660	0.00900		mg/Kg		137	52 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*44 - 129*
Tetrachloro-m-xylene	*79*		*46 - 130*

Lab Sample ID: LCS 680-407039/14-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.993	1.12		mg/Kg		113	57 - 142
Isodrin	0.0166	0.0148		mg/Kg		90	16 - 130
Kepone	0.993	1.81	Q	mg/Kg		182	10 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	84		44 - 129
Tetrachloro-m-xylene	76		46 - 130

Lab Sample ID: LCS 680-407039/8-A
Matrix: Solid
Analysis Batch: 408327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407039

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.399	0.380		mg/Kg		95	47 - 134		
PCB-1260			0.399	0.376		mg/Kg		94	53 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	87		44 - 129
Tetrachloro-m-xylene	85		46 - 130

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408113

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	0.080	U	1.31	1.22		mg/Kg	☼	93	47 - 134		
PCB-1260	0.080	U	1.31	1.26		mg/Kg	☼	96	53 - 140		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	79	M	44 - 129
Tetrachloro-m-xylene	83	M	46 - 130

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408113

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aldrin	0.0013	U	0.0226	0.0203		mg/Kg	☼	90	45 - 136		
alpha-BHC	0.0013	U Q	0.0226	0.0190		mg/Kg	☼	84	45 - 137		
alpha-Chlordane	0.0013	U	0.0226	0.0221		mg/Kg	☼	98	54 - 133		
beta-BHC	0.0025	U	0.0226	0.0215		mg/Kg	☼	95	50 - 136		
4,4'-DDD	0.0013	U Q	0.0226	0.0204		mg/Kg	☼	90	56 - 139		
4,4'-DDE	0.0017	J	0.0226	0.0238		mg/Kg	☼	98	56 - 134		
4,4'-DDT	0.0014	J Q	0.0226	0.0256		mg/Kg	☼	107	50 - 141		
delta-BHC	0.0017	U	0.0226	0.0205		mg/Kg	☼	90	47 - 139		
Dieldrin	0.0013	U	0.0226	0.0211		mg/Kg	☼	93	56 - 136		
Endosulfan I	0.0013	U	0.0226	0.0133		mg/Kg	☼	59	53 - 132		
Endosulfan II	0.0013	U	0.0226	0.0159		mg/Kg	☼	70	53 - 134		
Endosulfan sulfate	0.0017	U	0.0226	0.0208		mg/Kg	☼	92	55 - 136		
Endrin	0.0017	U	0.0226	0.0255		mg/Kg	☼	113	57 - 140		
Endrin aldehyde	0.0017	U	0.0226	0.0159		mg/Kg	☼	70	35 - 137		
Endrin ketone	0.0017	U	0.0226	0.0212		mg/Kg	☼	94	55 - 136		
gamma-BHC (Lindane)	0.0013	U	0.0226	0.0190		mg/Kg	☼	84	49 - 135		
gamma-Chlordane	0.0013	U	0.0226	0.0211		mg/Kg	☼	93	53 - 135		
Heptachlor	0.0017	U	0.0226	0.0211		mg/Kg	☼	93	47 - 136		
Heptachlor epoxide	0.0013	U	0.0226	0.0205		mg/Kg	☼	91	52 - 136		
Methoxychlor	0.0025	U Q	0.0226	0.0265		mg/Kg	☼	117	52 - 143		

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 408113

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.20	U Q	3.45	1.74	J	mg/Kg	☼	50	57 - 142
Isodrin	0.0032	U	0.0575	0.0487		mg/Kg	☼	85	16 - 130
Kepone	0.12	U Q	3.45	1.74		mg/Kg	☼	50	10 - 138

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408113

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.080	U	1.35	1.24		mg/Kg	☼	92	47 - 134	2	30
PCB-1260	0.080	U	1.35	1.35		mg/Kg	☼	100	53 - 140	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*	*M*	*44 - 129*
Tetrachloro-m-xylene	*82*		*46 - 130*

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408113

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0013	U	0.0232	0.0208		mg/Kg	☼	90	45 - 136	3	30
alpha-BHC	0.0013	U Q	0.0232	0.0205		mg/Kg	☼	88	45 - 137	8	30
alpha-Chlordane	0.0013	U	0.0232	0.0225		mg/Kg	☼	97	54 - 133	2	30
beta-BHC	0.0025	U	0.0232	0.0228		mg/Kg	☼	98	50 - 136	6	30
4,4'-DDD	0.0013	U Q	0.0232	0.0201		mg/Kg	☼	87	56 - 139	2	30
4,4'-DDE	0.0017	J	0.0232	0.0235		mg/Kg	☼	94	56 - 134	1	30
4,4'-DDT	0.0014	J Q	0.0232	0.0258		mg/Kg	☼	105	50 - 141	1	30
delta-BHC	0.0017	U	0.0232	0.0214		mg/Kg	☼	93	47 - 139	5	30
Dieldrin	0.0013	U	0.0232	0.0213		mg/Kg	☼	92	56 - 136	1	30
Endosulfan I	0.0013	U	0.0232	0.0143		mg/Kg	☼	62	53 - 132	8	30
Endosulfan II	0.0013	U	0.0232	0.0162		mg/Kg	☼	70	53 - 134	2	30
Endosulfan sulfate	0.0017	U	0.0232	0.0212		mg/Kg	☼	91	55 - 136	2	30
Endrin	0.0017	U	0.0232	0.0258		mg/Kg	☼	112	57 - 140	1	30
Endrin aldehyde	0.0017	U	0.0232	0.0166		mg/Kg	☼	72	35 - 137	4	30
Endrin ketone	0.0017	U	0.0232	0.0217		mg/Kg	☼	94	55 - 136	2	30
gamma-BHC (Lindane)	0.0013	U	0.0232	0.0203		mg/Kg	☼	87	49 - 135	6	30
gamma-Chlordane	0.0013	U	0.0232	0.0212		mg/Kg	☼	92	53 - 135	0	30
Heptachlor	0.0017	U	0.0232	0.0227		mg/Kg	☼	98	47 - 136	7	30
Heptachlor epoxide	0.0013	U	0.0232	0.0224		mg/Kg	☼	97	52 - 136	9	30
Methoxychlor	0.0025	U Q	0.0232	0.0269		mg/Kg	☼	116	52 - 143	1	30

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408113

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzilate	0.20	U Q	3.47	1.83	J	mg/Kg	☼	53	57 - 142	5	30

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 408113

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 407039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isodrin	0.0032	U	0.0579	0.0503		mg/Kg	☼	87	16 - 130	3	30
Kepone	0.12	U Q	3.47	1.83		mg/Kg	☼	53	10 - 138	5	30

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 280-300374/1-A
Matrix: Water
Analysis Batch: 300626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300374

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	1.0	U	10	1.0	0.29	ug/L		10/22/15 22:50	1
Azinphos-ethyl	0.50	U	0.70	0.50	0.21	ug/L		10/22/15 22:50	1
Azinphos-methyl	0.50	U	2.5	0.50	0.17	ug/L		10/22/15 22:50	1
Bolstar	1.0	U	1.0	1.0	0.31	ug/L		10/22/15 22:50	1
Chlorpyrifos	1.0	U	1.5	1.0	0.36	ug/L		10/22/15 22:50	1
Coumaphos	0.50	U	1.0	0.50	0.14	ug/L		10/22/15 22:50	1
Demeton-O	0.22	U	1.0	0.22	0.14	ug/L		10/22/15 22:50	1
Demeton-S	0.098	U	2.0	0.098	0.069	ug/L		10/22/15 22:50	1
Demeton, Total	0.50	U	3.0	0.50	0.21	ug/L		10/22/15 22:50	1
Diazinon	0.50	U	0.50	0.50	0.15	ug/L		10/22/15 22:50	1
Dichlorvos	0.50	U	0.50	0.50	0.16	ug/L		10/22/15 22:50	1
Dimethoate	1.0	U	1.5	1.0	0.45	ug/L		10/22/15 22:50	1
Disulfoton	1.0	U	1.0	1.0	0.32	ug/L		10/22/15 22:50	1
EPN	0.50	U	1.2	0.50	0.15	ug/L		10/22/15 22:50	1
Ethyl Parathion	0.50	U	1.0	0.50	0.14	ug/L		10/22/15 22:50	1
Famphur	0.50	U	1.0	0.50	0.18	ug/L		10/22/15 22:50	1
Fensulfothion	2.0	U	2.5	2.0	0.54	ug/L		10/22/15 22:50	1
Fenthion	0.50	U	2.5	0.50	0.15	ug/L		10/22/15 22:50	1
Malathion	0.50	U	2.0	0.50	0.13	ug/L		10/22/15 22:50	1
Merphos	0.50	U	5.0	0.50	0.17	ug/L		10/22/15 22:50	1
Methyl parathion	0.50	U	4.0	0.50	0.14	ug/L		10/22/15 22:50	1
Mevinphos	1.0	U	6.2	1.0	0.46	ug/L		10/22/15 22:50	1
Mocap	0.50	U	1.5	0.50	0.18	ug/L		10/22/15 22:50	1
Naled	2.0	U	2.0	2.0	0.80	ug/L		10/22/15 22:50	1
Phorate	0.50	U	1.2	0.50	0.15	ug/L		10/22/15 22:50	1
Phosmet	1.0	U	1.5	1.0	0.48	ug/L		10/22/15 22:50	1
Propazine	1.0	U	10	1.0	0.29	ug/L		10/22/15 22:50	1
Ronnel	0.26	U	10	0.26	0.12	ug/L		10/22/15 22:50	1
Simazine	0.50	U	10	0.50	0.22	ug/L		10/22/15 22:50	1
Sulfotepp	0.50	U	1.5	0.50	0.17	ug/L		10/22/15 22:50	1
Tetrachlorvinphos (Stirophos)	0.26	U	3.5	0.26	0.12	ug/L		10/22/15 22:50	1
Thionazin	1.0	U	1.0	1.0	0.31	ug/L		10/22/15 22:50	1
o,o',o''-Triethylphosphorothioate	0.50	U	0.50	0.50	0.14	ug/L		10/22/15 22:50	1
Tokuthion	0.26	U	1.6	0.26	0.12	ug/L		10/22/15 22:50	1
Trichloronate	0.50	U	1.5	0.50	0.24	ug/L		10/22/15 22:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Chlormefos	*75*		*49 - 171*	*10/21/15 14:12*	*10/22/15 22:50*	*1*

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-300374/1-A
Matrix: Water
Analysis Batch: 300626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300374

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	117		60 - 154	10/21/15 14:12	10/22/15 22:50	1

Lab Sample ID: LCS 280-300374/2-A
Matrix: Water
Analysis Batch: 300626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	4.00	4.10	J	ug/L		103	45 - 120
Azinphos-ethyl	4.00	3.75		ug/L		94	50 - 150
Azinphos-methyl	4.00	3.79		ug/L		95	43 - 135
Bolstar	4.00	3.95		ug/L		99	47 - 135
Chlorpyrifos	4.00	3.83		ug/L		96	47 - 133
Coumaphos	4.00	4.28		ug/L		107	45 - 135
Demeton, Total	4.00	3.64		ug/L		91	25 - 128
Diazinon	4.00	3.70		ug/L		93	43 - 129
Dichlorvos	4.00	3.66		ug/L		91	39 - 138
Dimethoate	4.00	3.61		ug/L		90	26 - 125
Disulfoton	4.00	3.33		ug/L		83	36 - 134
EPN	4.00	3.95		ug/L		99	47 - 133
Ethyl Parathion	4.00	3.62		ug/L		91	52 - 134
Famphur	4.00	4.01		ug/L		100	43 - 146
Fensulfothion	4.00	4.31		ug/L		108	36 - 124
Fenthion	4.00	3.58		ug/L		89	42 - 137
Malathion	4.00	3.15		ug/L		79	44 - 132
Merphos	4.00	2.37	J	ug/L		59	26 - 133
Methyl parathion	4.00	3.91	J	ug/L		98	49 - 134
Mevinphos	4.00	2.65	J	ug/L		66	10 - 229
Mocap	4.00	3.70		ug/L		92	52 - 125
Naled	4.00	2.83		ug/L		71	36 - 94
Phorate	4.00	2.84		ug/L		71	23 - 139
Phosmet	4.00	3.93		ug/L		98	54 - 143
Propazine	4.00	4.32	J	ug/L		108	51 - 122
Ronnel	4.00	3.56	J	ug/L		89	42 - 133
Simazine	4.00	3.46	J	ug/L		86	27 - 186
Sulfotepp	4.00	3.53		ug/L		88	47 - 126
Tetrachlorvinphos (Stirophos)	4.00	3.82		ug/L		95	48 - 142
Thionazin	4.00	3.31		ug/L		83	45 - 125
o,o',o''-Triethylphosphorothioate	4.00	2.96	M	ug/L		74	42 - 147
Tokuthion	4.00	3.68		ug/L		92	43 - 132
Trichloronate	4.00	3.91		ug/L		98	28 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Chlormefos	97		49 - 171
Triphenylphosphate	130		60 - 154

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCSD 280-300374/3-A
Matrix: Water
Analysis Batch: 300626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 300374

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			4.00	3.84	J	ug/L		96	45 - 120	7	30
Azinphos-ethyl			4.00	3.74		ug/L		93	50 - 150	0	30
Azinphos-methyl			4.00	3.75		ug/L		94	43 - 135	1	30
Bolstar			4.00	3.94		ug/L		98	47 - 135	0	30
Chlorpyrifos			4.00	3.91		ug/L		98	47 - 133	2	30
Coumaphos			4.00	4.23		ug/L		106	45 - 135	1	30
Demeton, Total			4.00	3.48		ug/L		87	25 - 128	4	30
Diazinon			4.00	3.41		ug/L		85	43 - 129	8	30
Dichlorvos			4.00	3.39		ug/L		85	39 - 138	8	30
Dimethoate			4.00	3.11		ug/L		78	26 - 125	15	30
Disulfoton			4.00	3.03		ug/L		76	36 - 134	10	30
EPN			4.00	3.80		ug/L		95	47 - 133	4	30
Ethyl Parathion			4.00	3.71		ug/L		93	52 - 134	2	30
Famphur			4.00	4.00		ug/L		100	43 - 146	0	30
Fensulfothion			4.00	4.17		ug/L		104	36 - 124	3	30
Fenthion			4.00	3.61		ug/L		90	42 - 137	1	30
Malathion			4.00	3.20		ug/L		80	44 - 132	2	30
Merphos			4.00	2.43	J	ug/L		61	26 - 133	3	30
Methyl parathion			4.00	3.79	J	ug/L		95	49 - 134	3	30
Mevinphos			4.00	2.40	J	ug/L		60	10 - 229	10	30
Mocap			4.00	3.61		ug/L		90	52 - 125	2	30
Naled			4.00	2.75		ug/L		69	36 - 94	3	30
Phorate			4.00	2.63		ug/L		66	23 - 139	8	30
Phosmet			4.00	3.85		ug/L		96	54 - 143	2	30
Propazine			4.00	4.10	J	ug/L		102	51 - 122	5	30
Ronnel			4.00	3.58	J	ug/L		89	42 - 133	0	30
Simazine			4.00	3.23	J	ug/L		81	27 - 186	7	30
Sulfotepp			4.00	3.25		ug/L		81	47 - 126	8	30
Tetrachlorvinphos (Stirophos)			4.00	3.88		ug/L		97	48 - 142	2	30
Thionazin			4.00	3.12		ug/L		78	45 - 125	6	30
o,o',o''-Triethylphosphorothioate			4.00	2.87	M	ug/L		72	42 - 147	3	30
Tokuthion			4.00	3.78		ug/L		95	43 - 132	3	30
Trichloronate			4.00	3.91		ug/L		98	28 - 137	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Chlormefos	*95*		*49 - 171*
Triphenylphosphate	*125*		*60 - 154*

Lab Sample ID: MB 280-300973/1-A
Matrix: Solid
Analysis Batch: 303191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300973

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	32	U	64	32	12	ug/Kg		11/09/15 17:51	1
Azinphos-ethyl	32	U	32	32	8.3	ug/Kg		11/09/15 17:51	1
Azinphos-methyl	7.7	U	12	7.7	3.4	ug/Kg		11/09/15 17:51	1
Bolstar	16	U	12	16	4.1	ug/Kg		11/09/15 17:51	1
Chlorpyrifos	16	U	19	16	6.2	ug/Kg		11/09/15 17:51	1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-300973/1-A
Matrix: Solid
Analysis Batch: 303191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300973

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Coumaphos	7.7	U	12	7.7	2.7	ug/Kg		11/09/15 17:51	1
Demeton-O	22	U	37	22	5.1	ug/Kg		11/09/15 17:51	1
Demeton-S	9.6	U	14	9.6	4.7	ug/Kg		11/09/15 17:51	1
Demeton, Total	16	U	37	16	7.2	ug/Kg		11/09/15 17:51	1
Diazinon	16	U	21	16	7.0	ug/Kg		11/09/15 17:51	1
Dichlorvos	16	U	22	16	7.1	ug/Kg		11/09/15 17:51	1
Dimethoate	16	U	21	16	6.8	ug/Kg		11/09/15 17:51	1
Disulfoton	16	U	46	16	7.4	ug/Kg		11/09/15 17:51	1
EPN	7.7	U	12	7.7	3.5	ug/Kg		11/09/15 17:51	1
Ethyl Parathion	16	U	17	16	5.1	ug/Kg		11/09/15 17:51	1
Famphur	7.7	U	12	7.7	3.1	ug/Kg		11/09/15 17:51	1
Fensulfothion	16	U	24	16	7.8	ug/Kg		11/09/15 17:51	1
Fenthion	32	U	32	32	8.4	ug/Kg		11/09/15 17:51	1
Malathion	16	U	14	16	4.4	ug/Kg		11/09/15 17:51	1
Merphos	16	U	29	16	4.9	ug/Kg		11/09/15 17:51	1
Methyl parathion	16	U	19	16	6.1	ug/Kg		11/09/15 17:51	1
Mevinphos	16	U	14	16	4.4	ug/Kg		11/09/15 17:51	1
Mocap	16	U	14	16	4.7	ug/Kg		11/09/15 17:51	1
Naled	64	U	67	64	22	ug/Kg		11/09/15 17:51	1
Phorate	16	U	19	16	5.5	ug/Kg		11/09/15 17:51	1
Phosmet	64	U	64	64	18	ug/Kg		11/09/15 17:51	1
Propazine	32	U	64	32	8.3	ug/Kg		11/09/15 17:51	1
Ronnel	32	U	44	32	15	ug/Kg		11/09/15 17:51	1
Simazine	64	U	64	64	21	ug/Kg		11/09/15 17:51	1
Sulfotepp	16	U	19	16	6.0	ug/Kg		11/09/15 17:51	1
Tetrachlorvinphos (Stirophos)	16	U	14	16	4.2	ug/Kg		11/09/15 17:51	1
Thionazin	16	U	17	16	5.3	ug/Kg		11/09/15 17:51	1
o,o',o''-Triethylphosphorothioate	16	U	37	16	7.5	ug/Kg		11/09/15 17:51	1
Tokuthion	7.7	U	19	7.7	3.7	ug/Kg		11/09/15 17:51	1
Trichloronate	16	U	19	16	6.0	ug/Kg		11/09/15 17:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*98*		*47 - 161*	*10/25/15 11:20*	*11/09/15 17:51*	*1*

Lab Sample ID: LCS 280-300973/2-A
Matrix: Solid
Analysis Batch: 303191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	128	95.8		ug/Kg		75	49 - 115
Azinphos-ethyl	128	118		ug/Kg		93	50 - 150
Azinphos-methyl	128	115		ug/Kg		90	38 - 156
Bolstar	128	103		ug/Kg		81	48 - 139
Chlorpyrifos	128	114		ug/Kg		89	47 - 140
Coumaphos	128	123		ug/Kg		96	37 - 160
Demeton, Total	128	106		ug/Kg		83	43 - 117
Diazinon	128	92.2		ug/Kg		72	42 - 134
Dichlorvos	128	116		ug/Kg		91	39 - 142

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-300973/2-A
Matrix: Solid
Analysis Batch: 303191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethoate	128	111		ug/Kg		87	16 - 139
Disulfoton	128	86.6		ug/Kg		68	28 - 145
EPN	128	116		ug/Kg		91	44 - 137
Ethyl Parathion	128	109		ug/Kg		85	50 - 139
Famphur	128	118		ug/Kg		92	47 - 134
Fensulfothion	128	129		ug/Kg		101	27 - 147
Fenthion	128	108		ug/Kg		84	44 - 134
Malathion	128	96.0		ug/Kg		75	46 - 137
Merphos	128	36.9		ug/Kg		29	19 - 115
Methyl parathion	128	115		ug/Kg		90	49 - 138
Mevinphos	128	79.7		ug/Kg		62	10 - 226
Mocap	128	91.3		ug/Kg		71	47 - 128
Naled	128	59.6	J	ug/Kg		47	10 - 115
Phorate	128	77.6		ug/Kg		61	23 - 142
Phosmet	128	118		ug/Kg		93	59 - 137
Propazine	128	101		ug/Kg		79	52 - 115
Ronnel	128	111		ug/Kg		87	45 - 138
Simazine	128	88.1		ug/Kg		69	44 - 142
Sulfotepp	128	92.1		ug/Kg		72	52 - 126
Tetrachlorvinphos (Stirophos)	128	112		ug/Kg		88	42 - 140
Thionazin	128	92.2		ug/Kg		72	44 - 124
o,o',o''-Triethylphosphorothioate	128	107		ug/Kg		84	40 - 120
Tokuthion	128	113		ug/Kg		89	45 - 136
Trichloronate	128	103		ug/Kg		81	37 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*110*		*47 - 161*

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 303332

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	350	U J	142	350	U D J	ug/Kg	☼	0	49 - 115
Azinphos-ethyl	350	U	142	162	J D	ug/Kg	☼	114	50 - 150
Azinphos-methyl	85	U	142	135	J D	ug/Kg	☼	95	38 - 156
Bolstar	180	U	142	112	J D	ug/Kg	☼	79	48 - 139
Chlorpyrifos	180	U	142	120	J D	ug/Kg	☼	85	47 - 140
Coumaphos	85	U	142	130	J D	ug/Kg	☼	92	37 - 160
Demeton, Total	180	U	142	111	J D	ug/Kg	☼	78	43 - 117
Diazinon	180	U	142	113	J D	ug/Kg	☼	80	42 - 134
Dichlorvos	180	U	142	110	J D	ug/Kg	☼	77	39 - 142
Dimethoate	180	U	142	138	J D	ug/Kg	☼	97	16 - 139
Disulfoton	180	U	142	118	J D	ug/Kg	☼	83	28 - 145
EPN	85	U	142	118	J D	ug/Kg	☼	83	44 - 137
Mocap	180	U	142	104	J D	ug/Kg	☼	73	47 - 128
Ethyl Parathion	180	U	142	120	J D	ug/Kg	☼	84	50 - 139
Famphur	85	U	142	117	J D	ug/Kg	☼	82	47 - 134

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 303332

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fensulfothion	180	U	142	131	J D	ug/Kg	☼	92	27 - 147
Fenthion	350	U	142	120	J D	ug/Kg	☼	85	44 - 134
Malathion	180	U	142	107	J D	ug/Kg	☼	75	46 - 137
Merphos	180	U J	142	180	U D J	ug/Kg	☼	0	19 - 115
Methyl parathion	180	U	142	133	J D	ug/Kg	☼	94	49 - 138
Mevinphos	180	U	142	105	J D	ug/Kg	☼	74	10 - 226
Naled	710	U	142	710	U D	ug/Kg	☼	NC	10 - 115
Phorate	180	U	142	73.9	J D	ug/Kg	☼	52	23 - 142
Phosmet	710	U	142	710	U D	ug/Kg	☼	NC	59 - 137
Propazine	350	U	142	114	J D	ug/Kg	☼	80	52 - 115
Ronnel	350	U	142	350	U D	ug/Kg	☼	NC	45 - 138
Simazine	710	U	142	710	U D	ug/Kg	☼	NC	44 - 142
Tetrachlorvinphos (Stirophos)	180	U	142	108	J D	ug/Kg	☼	76	42 - 140
Sulfotepp	180	U	142	109	J D	ug/Kg	☼	76	52 - 126
Thionazin	180	U	142	106	J D	ug/Kg	☼	75	44 - 124
Tokuthion	85	U	142	114	J D	ug/Kg	☼	80	45 - 136
Trichloronate	180	U	142	105	J D	ug/Kg	☼	73	37 - 140
o,o',o''-Triethylphosphorothioate	180	U J	142	180	U D J	ug/Kg	☼	0	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Triphenylphosphate	*155*	*D*	*47 - 161*

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 303332

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	350	U J	132	330	U D J	ug/Kg	☼	0	49 - 115	NC	30
Azinphos-ethyl	350	U	132	133	J D	ug/Kg	☼	100	50 - 150	20	30
Azinphos-methyl	85	U	132	114	J D	ug/Kg	☼	86	38 - 156	16	30
Bolstar	180	U	132	99.7	J D	ug/Kg	☼	75	48 - 139	12	30
Chlorpyrifos	180	U	132	98.9	J D	ug/Kg	☼	75	47 - 140	20	30
Coumaphos	85	U	132	119	J D	ug/Kg	☼	90	37 - 160	9	30
Demeton, Total	180	U	132	104	J D	ug/Kg	☼	79	43 - 117	6	30
Diazinon	180	U	132	100	J D	ug/Kg	☼	76	42 - 134	12	30
Dichlorvos	180	U	132	104	J D	ug/Kg	☼	79	39 - 142	5	30
Dimethoate	180	U	132	124	J D	ug/Kg	☼	94	16 - 139	11	30
Disulfoton	180	U	132	108	J D	ug/Kg	☼	82	28 - 145	9	30
EPN	85	U	132	103	J D	ug/Kg	☼	78	44 - 137	14	30
Mocap	180	U	132	91.3	J D	ug/Kg	☼	69	47 - 128	13	30
Ethyl Parathion	180	U	132	102	J D	ug/Kg	☼	77	50 - 139	16	30
Famphur	85	U	132	99.5	J D	ug/Kg	☼	75	47 - 134	16	30
Fensulfothion	180	U	132	116	J D	ug/Kg	☼	88	27 - 147	13	30
Fenthion	350	U	132	104	J D	ug/Kg	☼	78	44 - 134	15	30
Malathion	180	U	132	90.9	J D	ug/Kg	☼	69	46 - 137	17	30
Merphos	180	U J	132	170	U D J	ug/Kg	☼	0	19 - 115	NC	30
Methyl parathion	180	U	132	117	J D	ug/Kg	☼	88	49 - 138	13	30
Mevinphos	180	U	132	80.5	J D	ug/Kg	☼	61	10 - 226	27	30

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 303332

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naled	710	U	132	660	U D	ug/Kg	☼	NC	10 - 115	NC	30
Phorate	180	U	132	63.1	J D	ug/Kg	☼	48	23 - 142	16	30
Phosmet	710	U	132	660	U D	ug/Kg	☼	NC	59 - 137	NC	30
Propazine	350	U	132	97.6	J D	ug/Kg	☼	74	52 - 115	16	30
Ronnel	350	U	132	330	U D	ug/Kg	☼	NC	45 - 138	NC	30
Simazine	710	U	132	660	U D M	ug/Kg	☼	NC	44 - 142	NC	30
Tetrachlorvinphos (Stirophos)	180	U	132	95.7	J D	ug/Kg	☼	72	42 - 140	12	30
Sulfotepp	180	U	132	89.7	J D	ug/Kg	☼	68	52 - 126	19	30
Thionazin	180	U	132	94.0	J D	ug/Kg	☼	71	44 - 124	12	30
Tokuthion	85	U	132	100	J D	ug/Kg	☼	76	45 - 136	13	30
Trichloronate	180	U	132	86.6	J D	ug/Kg	☼	65	37 - 140	19	30
o,o',o''-Triethylphosphorothioate	180	U J	132	170	U D J	ug/Kg	☼	0	40 - 120	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Triphenylphosphate	*142*	*D*	*47 - 161*

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 303191

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	350	U J	155	380	U D J	ug/Kg	☼	0	49 - 115
Azinphos-ethyl	350	U	155	122	J D	ug/Kg	☼	79	50 - 150
Azinphos-methyl	85	U	155	126	J D	ug/Kg	☼	82	38 - 156
Bolstar	180	U	155	116	J D	ug/Kg	☼	75	48 - 139
Chlorpyrifos	180	U	155	114	J D	ug/Kg	☼	74	47 - 140
Coumaphos	85	U	155	138	J D	ug/Kg	☼	89	37 - 160
Demeton, Total	180	U	155	106	J D	ug/Kg	☼	68	43 - 117
Diazinon	180	U	155	107	J D	ug/Kg	☼	69	42 - 134
Dichlorvos	180	U Q	155	169	J D	ug/Kg	☼	109	39 - 142
Dimethoate	180	U	155	112	J D	ug/Kg	☼	72	16 - 139
Disulfoton	180	U	155	102	J D	ug/Kg	☼	66	28 - 145
EPN	85	U	155	122	J D	ug/Kg	☼	78	44 - 137
Mocap	180	U	155	103	J D	ug/Kg	☼	66	47 - 128
Ethyl Parathion	180	U	155	118	J D	ug/Kg	☼	76	50 - 139
Famphur	85	U	155	127	J D	ug/Kg	☼	82	47 - 134
Fensulfothion	180	U	155	134	J D	ug/Kg	☼	86	27 - 147
Fenthion	350	U	155	117	J D	ug/Kg	☼	75	44 - 134
Malathion	180	U	155	105	J D	ug/Kg	☼	68	46 - 137
Merphos	180	U J	155	200	U D J	ug/Kg	☼	0	19 - 115
Methyl parathion	180	U	155	118	J D	ug/Kg	☼	76	49 - 138
Mevinphos	180	U	155	145	J D	ug/Kg	☼	94	10 - 226
Naled	710	U Q	155	780	U D	ug/Kg	☼	NC	10 - 115
Phorate	180	U	155	92.4	J D	ug/Kg	☼	60	23 - 142
Phosmet	710	U	155	780	U D	ug/Kg	☼	NC	59 - 137
Propazine	350	U J	155	380	U D J	ug/Kg	☼	0	52 - 115
Ronnel	350	U	155	380	U D	ug/Kg	☼	NC	45 - 138
Simazine	710	U	155	780	U D	ug/Kg	☼	NC	44 - 142

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 303191

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachlorvinphos (Stirophos)	180	U	155	106	J D	ug/Kg	☼	68	42 - 140
Sulfotepp	180	U	155	117	J D	ug/Kg	☼	76	52 - 126
Thionazin	180	U	155	105	J D	ug/Kg	☼	67	44 - 124
Tokuthion	85	U	155	116	J D	ug/Kg	☼	75	45 - 136
Trichloronate	180	U	155	103	J D	ug/Kg	☼	66	37 - 140
o,o',o''-Triethylphosphorothioate	180	U	155	96.0	J D	ug/Kg	☼	62	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Triphenylphosphate	*94*	*D*	*47 - 161*

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 303191

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	350	U J	155	380	U D J	ug/Kg	☼	0	49 - 115	NC	30
Azinphos-ethyl	350	U	155	140	J D	ug/Kg	☼	90	50 - 150	13	30
Azinphos-methyl	85	U	155	135	J D	ug/Kg	☼	87	38 - 156	7	30
Bolstar	180	U	155	130	J D	ug/Kg	☼	84	48 - 139	12	30
Chlorpyrifos	180	U	155	124	J D	ug/Kg	☼	80	47 - 140	8	30
Coumaphos	85	U	155	142	J D	ug/Kg	☼	92	37 - 160	3	30
Demeton, Total	180	U	155	106	J D	ug/Kg	☼	68	43 - 117	0	30
Diazinon	180	U	155	109	J D	ug/Kg	☼	71	42 - 134	2	30
Dichlorvos	180	U Q	155	172	J D	ug/Kg	☼	111	39 - 142	1	30
Dimethoate	180	U	155	120	J D	ug/Kg	☼	78	16 - 139	7	30
Disulfoton	180	U	155	105	J D	ug/Kg	☼	68	28 - 145	3	30
EPN	85	U	155	133	J D	ug/Kg	☼	86	44 - 137	9	30
Mocap	180	U	155	107	J D	ug/Kg	☼	69	47 - 128	4	30
Ethyl Parathion	180	U	155	126	J D	ug/Kg	☼	82	50 - 139	7	30
Famphur	85	U	155	139	J D	ug/Kg	☼	90	47 - 134	9	30
Fensulfothion	180	U	155	140	J D	ug/Kg	☼	90	27 - 147	4	30
Fenthion	350	U	155	125	J D	ug/Kg	☼	81	44 - 134	7	30
Malathion	180	U	155	113	J D	ug/Kg	☼	73	46 - 137	7	30
Merphos	180	U J	155	200	U D J	ug/Kg	☼	0	19 - 115	NC	30
Methyl parathion	180	U	155	127	J D	ug/Kg	☼	82	49 - 138	7	30
Mevinphos	180	U	155	157	J D	ug/Kg	☼	102	10 - 226	8	30
Naled	710	U Q	155	780	U D M	ug/Kg	☼	NC	10 - 115	NC	30
Phorate	180	U	155	95.6	J D	ug/Kg	☼	62	23 - 142	3	30
Phosmet	710	U	155	780	U D	ug/Kg	☼	NC	59 - 137	NC	30
Propazine	350	U J	155	104	D J	ug/Kg	☼	67	52 - 115	200	30
Ronnel	350	U	155	380	U D	ug/Kg	☼	NC	45 - 138	NC	30
Simazine	710	U	155	780	U D	ug/Kg	☼	NC	44 - 142	NC	30
Tetrachlorvinphos (Stirophos)	180	U	155	113	J D	ug/Kg	☼	73	42 - 140	7	30
Sulfotepp	180	U	155	120	J D	ug/Kg	☼	77	52 - 126	2	30
Thionazin	180	U	155	107	J D	ug/Kg	☼	69	44 - 124	3	30
Tokuthion	85	U	155	128	J D	ug/Kg	☼	83	45 - 136	9	30
Trichloronate	180	U	155	108	J D	ug/Kg	☼	70	37 - 140	5	30
o,o',o''-Triethylphosphorothioate	180	U	155	93.1	J D	ug/Kg	☼	60	40 - 120	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Triphenylphosphate	*100*	*D*	*47 - 161*

Lab Sample ID: MB 280-301124/1-A
Matrix: Solid
Analysis Batch: 302698

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301124

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	33	U	67	33	12	ug/Kg		11/05/15 15:33	1
Azinphos-ethyl	33	U	33	33	8.7	ug/Kg		11/05/15 15:33	1
Azinphos-methyl	8.0	U	13	8.0	3.5	ug/Kg		11/05/15 15:33	1
Bolstar	17	U	13	17	4.2	ug/Kg		11/05/15 15:33	1
Chlorpyrifos	17	U	20	17	6.5	ug/Kg		11/05/15 15:33	1
Coumaphos	8.0	U	13	8.0	2.8	ug/Kg		11/05/15 15:33	1
Demeton-O	23	U	39	23	5.3	ug/Kg		11/05/15 15:33	1
Demeton-S	10	U	15	10	4.9	ug/Kg		11/05/15 15:33	1
Demeton, Total	17	U	39	17	7.5	ug/Kg		11/05/15 15:33	1
Diazinon	17	U	22	17	7.3	ug/Kg		11/05/15 15:33	1
Dichlorvos	17	U	23	17	7.4	ug/Kg		11/05/15 15:33	1
Dimethoate	17	U	22	17	7.1	ug/Kg		11/05/15 15:33	1
Disulfoton	17	U	48	17	7.7	ug/Kg		11/05/15 15:33	1
EPN	8.0	U	13	8.0	3.7	ug/Kg		11/05/15 15:33	1
Ethyl Parathion	17	U	18	17	5.3	ug/Kg		11/05/15 15:33	1
Famphur	8.0	U	13	8.0	3.2	ug/Kg		11/05/15 15:33	1
Fensulfothion	17	U	25	17	8.2	ug/Kg		11/05/15 15:33	1
Fenthion	33	U	33	33	8.7	ug/Kg		11/05/15 15:33	1
Malathion	17	U	15	17	4.6	ug/Kg		11/05/15 15:33	1
Merphos	17	U	30	17	5.1	ug/Kg		11/05/15 15:33	1
Methyl parathion	17	U	20	17	6.4	ug/Kg		11/05/15 15:33	1
Mevinphos	17	U	15	17	4.6	ug/Kg		11/05/15 15:33	1
Mocap	17	U	15	17	4.9	ug/Kg		11/05/15 15:33	1
Naled	67	U	70	67	23	ug/Kg		11/05/15 15:33	1
Phorate	17	U	20	17	5.7	ug/Kg		11/05/15 15:33	1
Phosmet	67	U	67	67	19	ug/Kg		11/05/15 15:33	1
Propazine	33	U	67	33	8.6	ug/Kg		11/05/15 15:33	1
Ronnel	33	U	46	33	15	ug/Kg		11/05/15 15:33	1
Simazine	67	U	67	67	22	ug/Kg		11/05/15 15:33	1
Sulfotepp	17	U	20	17	6.3	ug/Kg		11/05/15 15:33	1
Tetrachlorvinphos (Stirophos)	17	U	15	17	4.4	ug/Kg		11/05/15 15:33	1
Thionazin	17	U	18	17	5.6	ug/Kg		11/05/15 15:33	1
o,o',o''-Triethylphosphorothioate	17	U	39	17	7.9	ug/Kg		11/05/15 15:33	1
Tokuthion	8.0	U	20	8.0	3.9	ug/Kg		11/05/15 15:33	1
Trichloronate	17	U	20	17	6.3	ug/Kg		11/05/15 15:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	*128*		*47 - 161*	*10/26/15 18:52*	*11/05/15 15:33*	*1*

Lab Sample ID: LCS 280-301124/2-A
Matrix: Solid
Analysis Batch: 302698

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	133	112		ug/Kg		84	49 - 115
Azinphos-ethyl	133	127		ug/Kg		95	50 - 150

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-301124/2-A
Matrix: Solid
Analysis Batch: 302698

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Azinphos-methyl	133	120		ug/Kg		90	38 - 156
Bolstar	133	106		ug/Kg		79	48 - 139
Chlorpyrifos	133	113		ug/Kg		85	47 - 140
Coumaphos	133	131		ug/Kg		98	37 - 160
Demeton, Total	133	100		ug/Kg		75	43 - 117
Diazinon	133	112		ug/Kg		84	42 - 134
Dichlorvos	133	141		ug/Kg		106	39 - 142
Dimethoate	133	116		ug/Kg		87	16 - 139
Disulfoton	133	93.0		ug/Kg		70	28 - 145
EPN	133	111		ug/Kg		83	44 - 137
Ethyl Parathion	133	108		ug/Kg		81	50 - 139
Famphur	133	119		ug/Kg		89	47 - 134
Fensulfothion	133	124		ug/Kg		93	27 - 147
Fenthion	133	107		ug/Kg		80	44 - 134
Malathion	133	96.1		ug/Kg		72	46 - 137
Merphos	133	29.5	J	ug/Kg		22	19 - 115
Methyl parathion	133	114		ug/Kg		86	49 - 138
Mevinphos	133	82.1		ug/Kg		62	10 - 226
Mocap	133	101		ug/Kg		76	47 - 128
Naled	133	67	U	ug/Kg		10	10 - 115
Phorate	133	91.5		ug/Kg		69	23 - 142
Phosmet	133	120		ug/Kg		90	59 - 137
Propazine	133	119		ug/Kg		90	52 - 115
Ronnel	133	117		ug/Kg		87	45 - 138
Simazine	133	108	M	ug/Kg		81	44 - 142
Sulfotepp	133	115		ug/Kg		86	52 - 126
Tetrachlorvinphos (Stirophos)	133	108		ug/Kg		81	42 - 140
Thionazin	133	106		ug/Kg		79	44 - 124
o,o',o''-Triethylphosphorothioate	133	119		ug/Kg		89	40 - 120
Tokuthion	133	112		ug/Kg		84	45 - 136
Trichloronate	133	105		ug/Kg		78	37 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*114*		*47 - 161*

Method: 8141A - Organophosphorous Pesticides (GC) - RA

Lab Sample ID: MB 280-300973/1-A
Matrix: Solid
Analysis Batch: 303569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300973

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine - RA	32	U	64	32	12	ug/Kg		11/11/15 13:45	1
Azinphos-ethyl - RA	32	U	32	32	8.3	ug/Kg		11/11/15 13:45	1
Azinphos-methyl - RA	7.7	U	12	7.7	3.4	ug/Kg		11/11/15 13:45	1
Bolstar - RA	16	U	12	16	4.1	ug/Kg		11/11/15 13:45	1
Chlorpyrifos - RA	16	U	19	16	6.2	ug/Kg		11/11/15 13:45	1
Coumaphos - RA	7.7	U	12	7.7	2.7	ug/Kg		11/11/15 13:45	1

Method: 8141A - Organophosphorous Pesticides (GC) - RA (Continued)

Lab Sample ID: MB 280-300973/1-A
Matrix: Solid
Analysis Batch: 303569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300973

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Demeton-O - RA	22	U	37	22	5.1	ug/Kg		11/11/15 13:45	1
Demeton-S - RA	9.6	U	14	9.6	4.7	ug/Kg		11/11/15 13:45	1
Demeton, Total - RA	16	U	37	16	7.2	ug/Kg		11/11/15 13:45	1
Diazinon - RA	16	U	21	16	7.0	ug/Kg		11/11/15 13:45	1
Dichlorvos - RA	16	U	22	16	7.1	ug/Kg		11/11/15 13:45	1
Dimethoate - RA	16	U	21	16	6.8	ug/Kg		11/11/15 13:45	1
Disulfoton - RA	16	U	46	16	7.4	ug/Kg		11/11/15 13:45	1
EPN - RA	7.7	U	12	7.7	3.5	ug/Kg		11/11/15 13:45	1
Ethyl Parathion - RA	16	U	17	16	5.1	ug/Kg		11/11/15 13:45	1
Famphur - RA	7.7	U	12	7.7	3.1	ug/Kg		11/11/15 13:45	1
Fensulfothion - RA	16	U	24	16	7.8	ug/Kg		11/11/15 13:45	1
Fenthion - RA	32	U	32	32	8.4	ug/Kg		11/11/15 13:45	1
Malathion - RA	16	U	14	16	4.4	ug/Kg		11/11/15 13:45	1
Merphos - RA	16	U	29	16	4.9	ug/Kg		11/11/15 13:45	1
Methyl parathion - RA	16	U	19	16	6.1	ug/Kg		11/11/15 13:45	1
Mevinphos - RA	16	U	14	16	4.4	ug/Kg		11/11/15 13:45	1
Mocap - RA	16	U	14	16	4.7	ug/Kg		11/11/15 13:45	1
Naled - RA	64	U	67	64	22	ug/Kg		11/11/15 13:45	1
Phorate - RA	16	U	19	16	5.5	ug/Kg		11/11/15 13:45	1
Phosmet - RA	64	U	64	64	18	ug/Kg		11/11/15 13:45	1
Propazine - RA	32	U	64	32	8.3	ug/Kg		11/11/15 13:45	1
Ronnel - RA	32	U	44	32	15	ug/Kg		11/11/15 13:45	1
Simazine - RA	64	U	64	64	21	ug/Kg		11/11/15 13:45	1
Sulfotepp - RA	16	U	19	16	6.0	ug/Kg		11/11/15 13:45	1
Tetrachlorvinphos (Stirophos) - RA	16	U	14	16	4.2	ug/Kg		11/11/15 13:45	1
Thionazin - RA	16	U	17	16	5.3	ug/Kg		11/11/15 13:45	1
o,o',o''-Triethylphosphorothioate - RA	16	U	37	16	7.5	ug/Kg		11/11/15 13:45	1
Tokuthion - RA	7.7	U	19	7.7	3.7	ug/Kg		11/11/15 13:45	1
Trichloronate - RA	16	U	19	16	6.0	ug/Kg		11/11/15 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate - RA	*106*		*47 - 161*	*10/25/15 11:20*	*11/11/15 13:45*	*1*

Lab Sample ID: LCS 280-300973/2-A
Matrix: Solid
Analysis Batch: 303569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine - RA	128	108		ug/Kg		84	49 - 115
Azinphos-ethyl - RA	128	125		ug/Kg		98	50 - 150
Azinphos-methyl - RA	128	131		ug/Kg		103	38 - 156
Bolstar - RA	128	113		ug/Kg		88	48 - 139
Chlorpyrifos - RA	128	117		ug/Kg		91	47 - 140
Coumaphos - RA	128	143		ug/Kg		112	37 - 160
Demeton, Total - RA	128	108		ug/Kg		84	43 - 117
Diazinon - RA	128	108		ug/Kg		85	42 - 134
Dichlorvos - RA	128	98.1		ug/Kg		77	39 - 142
Dimethoate - RA	128	122		ug/Kg		96	16 - 139

Method: 8141A - Organophosphorous Pesticides (GC) - RA (Continued)

Lab Sample ID: LCS 280-300973/2-A
Matrix: Solid
Analysis Batch: 303569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Disulfoton - RA	128	90.0		ug/Kg		70	28 - 145
EPN - RA	128	119		ug/Kg		93	44 - 137
Ethyl Parathion - RA	128	115		ug/Kg		90	50 - 139
Famphur - RA	128	126		ug/Kg		99	47 - 134
Fensulfothion - RA	128	136		ug/Kg		107	27 - 147
Fenthion - RA	128	116		ug/Kg		91	44 - 134
Malathion - RA	128	102		ug/Kg		80	46 - 137
Merphos - RA	128	38.5		ug/Kg		30	19 - 115
Methyl parathion - RA	128	116		ug/Kg		91	49 - 138
Mevinphos - RA	128	71.8		ug/Kg		56	10 - 226
Mocap - RA	128	92.2		ug/Kg		72	47 - 128
Phorate - RA	128	85.9		ug/Kg		67	23 - 142
Phosmet - RA	128	129		ug/Kg		101	59 - 137
Propazine - RA	128	114		ug/Kg		89	52 - 115
Ronnel - RA	128	110		ug/Kg		86	45 - 138
Simazine - RA	128	107		ug/Kg		84	44 - 142
Sulfotepp - RA	128	102		ug/Kg		80	52 - 126
Tetrachlorvinphos (Stirophos) - RA	128	117		ug/Kg		92	42 - 140
Thionazin - RA	128	89.9		ug/Kg		70	44 - 124
o,o',o''-Triethylphosphorothioate - RA	128	140		ug/Kg		110	40 - 120
o,o',o''-Triethylphosphorothioate - RA	128	94.1		ug/Kg		74	40 - 120
Tokuthion - RA	128	118		ug/Kg		92	45 - 136
Trichloronate - RA	128	109		ug/Kg		85	37 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate - RA	*113*		*47 - 161*

Method: 8151A DOD - Herbicides (GC)

Lab Sample ID: MB 680-406950/21-A
Matrix: Solid
Analysis Batch: 407271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406950

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0050	U	0.0083	0.0050	0.0050	mg/Kg		10/24/15 17:14	1
Dalapon	0.0080	U	0.10	0.0080	0.0029	mg/Kg		10/24/15 17:14	1
2,4-DB	0.0050	U	0.0083	0.0050	0.0030	mg/Kg		10/24/15 17:14	1
Dicamba	0.0050	U	0.0083	0.0050	0.0019	mg/Kg		10/24/15 17:14	1
Dichlorprop	0.0020	U	0.0083	0.0020	0.0011	mg/Kg		10/24/15 17:14	1
Dinoseb	0.0050	U	0.050	0.0050	0.0046	mg/Kg		10/24/15 17:14	1
MCPA	0.48	U	2.0	0.48	0.19	mg/Kg		10/24/15 17:14	1
MCPP	0.48	U	2.0	0.48	0.17	mg/Kg		10/24/15 17:14	1
Pentachlorophenol	0.0010	U	0.0083	0.0010	0.00042	mg/Kg		10/24/15 17:14	1
Silvex (2,4,5-TP)	0.0050	U	0.0083	0.0050	0.0016	mg/Kg		10/24/15 17:14	1
2,4,5-T	0.0050	U	0.0083	0.0050	0.0023	mg/Kg		10/24/15 17:14	1

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: MB 680-406950/21-A
Matrix: Solid
Analysis Batch: 407271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406950

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	64		27 - 122	10/23/15 07:42	10/24/15 17:14	1

Lab Sample ID: LCS 680-406950/22-A
Matrix: Solid
Analysis Batch: 407271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406950

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0666	0.0480	M	mg/Kg		72	28 - 144
Dalapon	0.0666	0.0450	J	mg/Kg		67	19 - 130
2,4-DB	0.0666	0.0205	M Q	mg/Kg		31	34 - 142
Dicamba	0.0333	0.0267	M	mg/Kg		80	38 - 132
Dichlorprop	0.0666	0.0443	M	mg/Kg		67	28 - 155
Dinoseb	0.0666	0.0378	J M	mg/Kg		57	20 - 130
MCPA	6.66	4.52	M	mg/Kg		68	28 - 135
MCPP	6.66	4.43	M	mg/Kg		66	35 - 143
Pentachlorophenol	0.0167	0.0130	M	mg/Kg		78	54 - 130
Silvex (2,4,5-TP)	0.0167	0.0111	M	mg/Kg		67	43 - 129
2,4,5-T	0.0167	0.0108	M	mg/Kg		65	31 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	69	M	27 - 122

Lab Sample ID: 680-117942-43 MS
Matrix: Solid
Analysis Batch: 407271

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406950

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.027	U	0.0719	0.0547	D	mg/Kg	☼	76	28 - 144
Dalapon	0.043	U J	0.0719	0.0469	J D	mg/Kg	☼	65	19 - 130
2,4-DB	0.027	U Q J	0.0719	0.0298	J D	mg/Kg	☼	41	34 - 142
Dicamba	0.027	U	0.0360	0.0235	J D	mg/Kg	☼	65	38 - 132
Dichlorprop	0.011	U	0.0719	0.0687	D	mg/Kg	☼	96	28 - 155
Dinoseb	0.027	U	0.0719	0.0669	J D	mg/Kg	☼	93	20 - 130
MCPA	2.6	U	7.19	8.58	J D	mg/Kg	☼	119	28 - 135
MCPP	2.6	U J	7.19	11.8	D J	mg/Kg	☼	165	35 - 143
Pentachlorophenol	0.0054	U	0.0180	0.0116	J D	mg/Kg	☼	65	54 - 130
Silvex (2,4,5-TP)	0.027	U	0.0180	0.0104	J D	mg/Kg	☼	58	43 - 129
2,4,5-T	0.027	U J	0.0180	0.027	U J	mg/Kg	☼	0	31 - 138

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	88		27 - 122

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: 680-117942-43 MSD
Matrix: Solid
Analysis Batch: 407271

Client Sample ID: AOPSM301
Prep Type: Total/NA
Prep Batch: 406950

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.027	U	0.0718	0.0559	D	mg/Kg	☼	78	28 - 144	2	30
Dalapon	0.043	U J	0.0718	0.043	U J	mg/Kg	☼	0	19 - 130	200	30
2,4-DB	0.027	U Q J	0.0718	0.0456	D J	mg/Kg	☼	64	34 - 142	42	30
Dicamba	0.027	U	0.0359	0.0249	J D	mg/Kg	☼	69	38 - 132	6	30
Dichlorprop	0.011	U	0.0718	0.0829	D	mg/Kg	☼	116	28 - 155	19	30
Dinoseb	0.027	U	0.0718	0.0707	J D	mg/Kg	☼	98	20 - 130	6	30
MCPA	2.6	U	7.18	9.70	J D	mg/Kg	☼	135	28 - 135	12	30
MCPP	2.6	U J	7.18	12.6	D J	mg/Kg	☼	175	35 - 143	6	30
Pentachlorophenol	0.0054	U	0.0179	0.0134	J D	mg/Kg	☼	75	54 - 130	14	30
Silvex (2,4,5-TP)	0.027	U	0.0179	0.0117	J D	mg/Kg	☼	65	43 - 129	12	30
2,4,5-T	0.027	U J	0.0179	0.0138	D J	mg/Kg	☼	77	31 - 138	200	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*104*		*27 - 122*

Lab Sample ID: MB 680-406983/7-A
Matrix: Solid
Analysis Batch: 407275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406983

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-D	0.0050	U	0.0083	0.0050	0.0050	mg/Kg		10/25/15 01:44	1
Dalapon	0.0080	U	0.10	0.0080	0.0029	mg/Kg		10/25/15 01:44	1
2,4-DB	0.0050	U	0.0083	0.0050	0.0030	mg/Kg		10/25/15 01:44	1
Dicamba	0.0050	U	0.0083	0.0050	0.0019	mg/Kg		10/25/15 01:44	1
Dichlorprop	0.0020	U	0.0083	0.0020	0.0011	mg/Kg		10/25/15 01:44	1
Dinoseb	0.0050	U	0.050	0.0050	0.0046	mg/Kg		10/25/15 01:44	1
MCPA	0.48	U	2.0	0.48	0.19	mg/Kg		10/25/15 01:44	1
MCPP	0.48	U	2.0	0.48	0.17	mg/Kg		10/25/15 01:44	1
Pentachlorophenol	0.0010	U	0.0083	0.0010	0.00042	mg/Kg		10/25/15 01:44	1
Silvex (2,4,5-TP)	0.0050	U	0.0083	0.0050	0.0016	mg/Kg		10/25/15 01:44	1
2,4,5-T	0.0050	U	0.0083	0.0050	0.0023	mg/Kg		10/25/15 01:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*60*		*27 - 122*	*10/23/15 07:43*	*10/25/15 01:44*	*1*

Lab Sample ID: LCS 680-406983/8-A
Matrix: Solid
Analysis Batch: 407275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0665	0.0493	M	mg/Kg		74	28 - 144
Dalapon	0.0665	0.0420	J M	mg/Kg		63	19 - 130
2,4-DB	0.0665	0.0223	M	mg/Kg		34	34 - 142
Dicamba	0.0333	0.0261	M	mg/Kg		79	38 - 132
Dichlorprop	0.0665	0.0457	M	mg/Kg		69	28 - 155
Dinoseb	0.0665	0.0345	J M	mg/Kg		52	20 - 130
MCPA	6.65	4.77	M	mg/Kg		72	28 - 135

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: LCS 680-406983/8-A
Matrix: Solid
Analysis Batch: 407275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406983

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
MCPP			6.65	4.52	M	mg/Kg		68	35 - 143		
Pentachlorophenol			0.0166	0.0123	M	mg/Kg		74	54 - 130		
Silvex (2,4,5-TP)			0.0166	0.0111	M	mg/Kg		67	43 - 129		
2,4,5 T			0 0166	0 0114	M	mg/Kg		68	31 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*65*	*M*	*27 - 122*

Lab Sample ID: 680-117942-53 MS
Matrix: Solid
Analysis Batch: 407275

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 406983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D	0.0058	U	0.0778	0.0554	M	mg/Kg	☼	71	28 - 144		
Dalapon	0.0093	U	0.0778	0.0514	J	mg/Kg	☼	66	19 - 130		
2,4-DB	0.0058	U	0.0778	0.0409	M	mg/Kg	☼	53	34 - 142		
Dicamba	0.0058	U	0.0389	0.0275	M	mg/Kg	☼	71	38 - 132		
Dichlorprop	0.0023	U	0.0778	0.0840	M	mg/Kg	☼	108	28 - 155		
Dinoseb	0.0058	U	0.0778	0.0482	J M	mg/Kg	☼	62	20 - 130		
MCPA	0.56	U	7.78	8.92	M	mg/Kg	☼	115	28 - 135		
MCPP	0.56	U	7.78	7.05	M	mg/Kg	☼	91	35 - 143		
Pentachlorophenol	0.0012	U	0.0195	0.0138	M	mg/Kg	☼	71	54 - 130		
Silvex (2,4,5-TP)	0.0058	U	0.0195	0.0132	M	mg/Kg	☼	68	43 - 129		
2,4,5-T	0.0058	U	0.0195	0.0147	M	mg/Kg	☼	76	31 - 138		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*96*	*M*	*27 - 122*

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 407275

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 406983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.0058	U	0.0779	0.0550		mg/Kg	☼	71	28 - 144	1	30
Dalapon	0.0093	U	0.0779	0.0589	J M	mg/Kg	☼	76	19 - 130	14	30
2,4-DB	0.0058	U	0.0779	0.0381		mg/Kg	☼	49	34 - 142	7	30
Dicamba	0.0058	U	0.0390	0.0278		mg/Kg	☼	71	38 - 132	1	30
Dichlorprop	0.0023	U	0.0779	0.0822		mg/Kg	☼	105	28 - 155	2	30
Dinoseb	0.0058	U	0.0779	0.0493	J	mg/Kg	☼	63	20 - 130	2	30
MCPA	0.56	U	7.79	8.36		mg/Kg	☼	107	28 - 135	6	30
MCPP	0.56	U	7.79	7.68		mg/Kg	☼	99	35 - 143	9	30
Pentachlorophenol	0.0012	U	0.0195	0.0138		mg/Kg	☼	71	54 - 130	0	30
Silvex (2,4,5-TP)	0.0058	U	0.0195	0.0136		mg/Kg	☼	70	43 - 129	3	30
2,4,5-T	0.0058	U	0.0195	0.0158		mg/Kg	☼	81	31 - 138	7	30

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Method: 8151A DOD - Herbicides (GC) (Continued)

Lab Sample ID: 680-117942-53 MSD
Matrix: Solid
Analysis Batch: 407275

Client Sample ID: AOPSH301
Prep Type: Total/NA
Prep Batch: 406983

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	87		27 - 122

GC/MS Semi VOA

Prep Batch: 407026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	3546	
680-117942-D-43-Q MS	680-117942-D-43-Q MS	Total/NA	Solid	3546	
680-117942-D-43-R MSD	680-117942-D-43-R MSD	Total/NA	Solid	3546	
LCS 680-407026/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407026/21-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 407777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-407026/22-A	Lab Control Sample	Total/NA	Solid	8270D DOD	407026
MB 680-407026/21-A	Method Blank	Total/NA	Solid	8270D DOD	407026

Analysis Batch: 408042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8270D DOD	407026
680-117942-D-43-Q MS	680-117942-D-43-Q MS	Total/NA	Solid	8270D DOD	407026
680-117942-D-43-R MSD	680-117942-D-43-R MSD	Total/NA	Solid	8270D DOD	407026

GC VOA

Analysis Batch: 407291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8015C GRO	407324
680-117942-43	AOPSM301	Total/NA	Solid	8015C GRO	407324
680-117942-43 MS	AOPSM301	Total/NA	Solid	8015C GRO	407324
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8015C GRO	407324
680-117942-44	AOPSM201	Total/NA	Solid	8015C GRO	407324
680-117942-45	AOPSL201	Total/NA	Solid	8015C GRO	407324
680-117942-46	AOPSN301	Total/NA	Solid	8015C GRO	407324
680-117942-47	AOPSM401	Total/NA	Solid	8015C GRO	407324
680-117942-48	AOPSN401	Total/NA	Solid	8015C GRO	407324
680-117942-49	AOPSM501	Total/NA	Solid	8015C GRO	407324
680-117942-50	AOPSE601	Total/NA	Solid	8015C GRO	407324
LCS 680-407291/26	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCS 680-407291/6	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407291/27	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
LCSD 680-407291/7	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407291/28	Method Blank	Total/NA	Solid	8015C GRO	
MB 680-407291/8	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	5030B	
680-117942-43	AOPSM301	Total/NA	Solid	5030B	
680-117942-43 MS	AOPSM301	Total/NA	Solid	5030B	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	5030B	
680-117942-44	AOPSM201	Total/NA	Solid	5030B	
680-117942-45	AOPSL201	Total/NA	Solid	5030B	
680-117942-46	AOPSN301	Total/NA	Solid	5030B	
680-117942-47	AOPSM401	Total/NA	Solid	5030B	
680-117942-48	AOPSN401	Total/NA	Solid	5030B	

GC VOA (Continued)

Prep Batch: 407324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-49	AOPSM501	Total/NA	Solid	5030B	
680-117942-50	AOPSE601	Total/NA	Solid	5030B	

Analysis Batch: 407346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-51	AOPSF501	Total/NA	Solid	8015C GRO	407394
680-117942-52	AOPSF701	Total/NA	Solid	8015C GRO	407394
680-117942-53	AOPSH301	Total/NA	Solid	8015C GRO	407394
680-117942-53 MS	AOPSH301	Total/NA	Solid	8015C GRO	407394
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8015C GRO	407394
680-117942-54	AOPSH401	Total/NA	Solid	8015C GRO	407394
680-117942-55	AOPSH501	Total/NA	Solid	8015C GRO	407394
680-117942-56	AOPCH501	Total/NA	Solid	8015C GRO	407394
680-117942-57	AOPSJ201	Total/NA	Solid	8015C GRO	407394
680-117942-58	AOPSK201	Total/NA	Solid	8015C GRO	407394
680-117942-59	AOPSK301	Total/NA	Solid	8015C GRO	407394
680-117942-60	AOPSK501	Total/NA	Solid	8015C GRO	407394
LCS 680-407346/4	Lab Control Sample	Total/NA	Solid	8015C GRO	
LCSD 680-407346/5	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407346/6	Method Blank	Total/NA	Solid	8015C GRO	

Prep Batch: 407394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-51	AOPSF501	Total/NA	Solid	5030B	
680-117942-52	AOPSF701	Total/NA	Solid	5030B	
680-117942-53	AOPSH301	Total/NA	Solid	5030B	
680-117942-53 MS	AOPSH301	Total/NA	Solid	5030B	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	5030B	
680-117942-54	AOPSH401	Total/NA	Solid	5030B	
680-117942-55	AOPSH501	Total/NA	Solid	5030B	
680-117942-56	AOPCH501	Total/NA	Solid	5030B	
680-117942-57	AOPSJ201	Total/NA	Solid	5030B	
680-117942-58	AOPSK201	Total/NA	Solid	5030B	
680-117942-59	AOPSK301	Total/NA	Solid	5030B	
680-117942-60	AOPSK501	Total/NA	Solid	5030B	
680-117942-61	AOPSL301	Total/NA	Solid	5030B	
680-117942-62	AOPCL301	Total/NA	Solid	5030B	
680-117942-63	AOPSL401	Total/NA	Solid	5030B	
680-117942-64	AOPSL501	Total/NA	Solid	5030B	
680-117942-65	AOPSL601	Total/NA	Solid	5030B	
680-117942-66	AOPSL701	Total/NA	Solid	5030B	

Analysis Batch: 407433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-61	AOPSL301	Total/NA	Solid	8015C GRO	407394
680-117942-62	AOPCL301	Total/NA	Solid	8015C GRO	407394
680-117942-63	AOPSL401	Total/NA	Solid	8015C GRO	407394
680-117942-64	AOPSL501	Total/NA	Solid	8015C GRO	407394
680-117942-65	AOPSL601	Total/NA	Solid	8015C GRO	407394
680-117942-66	AOPSL701	Total/NA	Solid	8015C GRO	407394
LCS 680-407433/4	Lab Control Sample	Total/NA	Solid	8015C GRO	

GC VOA (Continued)

Analysis Batch: 407433 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-407433/5	Lab Control Sample Dup	Total/NA	Solid	8015C GRO	
MB 680-407433/6	Method Blank	Total/NA	Solid	8015C GRO	

GC Semi VOA

Prep Batch: 300374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	3510C	
680-117942-68	EB101415	Total/NA	Water	3510C	
LCS 280-300374/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-300374/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 280-300374/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 300626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-67	FB101415	Total/NA	Water	8141A	300374
680-117942-68	EB101415	Total/NA	Water	8141A	300374
LCS 280-300374/2-A	Lab Control Sample	Total/NA	Water	8141A	300374
LCSD 280-300374/3-A	Lab Control Sample Dup	Total/NA	Water	8141A	300374
MB 280-300374/1-A	Method Blank	Total/NA	Water	8141A	300374

Prep Batch: 300973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42 - DL	AOPSK101	Total/NA	Solid	3540C	
680-117942-42	AOPSK101	Total/NA	Solid	3540C	
680-117942-43	AOPSM301	Total/NA	Solid	3540C	
680-117942-43 - DL	AOPSM301	Total/NA	Solid	3540C	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3540C	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3540C	
680-117942-44	AOPSM201	Total/NA	Solid	3540C	
680-117942-44 - DL	AOPSM201	Total/NA	Solid	3540C	
680-117942-45	AOPSL201	Total/NA	Solid	3540C	
680-117942-45 - DL	AOPSL201	Total/NA	Solid	3540C	
680-117942-46	AOPSN301	Total/NA	Solid	3540C	
680-117942-46 - DL	AOPSN301	Total/NA	Solid	3540C	
680-117942-48	AOPSN401	Total/NA	Solid	3540C	
680-117942-48 - DL	AOPSN401	Total/NA	Solid	3540C	
680-117942-49	AOPSM501	Total/NA	Solid	3540C	
680-117942-49 - DL	AOPSM501	Total/NA	Solid	3540C	
680-117942-50	AOPSE601	Total/NA	Solid	3540C	
680-117942-50 - DL	AOPSE601	Total/NA	Solid	3540C	
680-117942-51	AOPSF501	Total/NA	Solid	3540C	
680-117942-51 - DL	AOPSF501	Total/NA	Solid	3540C	
680-117942-52 - DL	AOPSF701	Total/NA	Solid	3540C	
680-117942-52	AOPSF701	Total/NA	Solid	3540C	
680-117942-53	AOPSH301	Total/NA	Solid	3540C	
680-117942-53 - DL	AOPSH301	Total/NA	Solid	3540C	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3540C	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3540C	
680-117942-54	AOPSH401	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 300973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-54 - DL	AOPSH401	Total/NA	Solid	3540C	
680-117942-55	AOPSH501	Total/NA	Solid	3540C	
680-117942-55 - DL	AOPSH501	Total/NA	Solid	3540C	
680-117942-56	AOPCH501	Total/NA	Solid	3540C	
680-117942-56 - DL	AOPCH501	Total/NA	Solid	3540C	
680-117942-57 - DL	AOPSJ201	Total/NA	Solid	3540C	
680-117942-57	AOPSJ201	Total/NA	Solid	3540C	
680-117942-58	AOPSK201	Total/NA	Solid	3540C	
680-117942-58 - DL	AOPSK201	Total/NA	Solid	3540C	
680-117942-59 - DL	AOPSK301	Total/NA	Solid	3540C	
680-117942-59	AOPSK301	Total/NA	Solid	3540C	
680-117942-60	AOPSK501	Total/NA	Solid	3540C	
680-117942-60 - DL	AOPSK501	Total/NA	Solid	3540C	
LCS 280-300973/2-A	Lab Control Sample	Total/NA	Solid	3540C	
LCS 280-300973/2-A - RA	Lab Control Sample	Total/NA	Solid	3540C	
MB 280-300973/1-A	Method Blank	Total/NA	Solid	3540C	
MB 280-300973/1-A - RA	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 301124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-47 - DL	AOPSM401	Total/NA	Solid	3540C	
680-117942-47	AOPSM401	Total/NA	Solid	3540C	
680-117942-61	AOPSL301	Total/NA	Solid	3540C	
680-117942-61 - DL	AOPSL301	Total/NA	Solid	3540C	
680-117942-62	AOPCL301	Total/NA	Solid	3540C	
680-117942-62 - DL	AOPCL301	Total/NA	Solid	3540C	
680-117942-63	AOPSL401	Total/NA	Solid	3540C	
680-117942-63 - DL	AOPSL401	Total/NA	Solid	3540C	
680-117942-64	AOPSL501	Total/NA	Solid	3540C	
680-117942-64 - DL	AOPSL501	Total/NA	Solid	3540C	
680-117942-65	AOPSL601	Total/NA	Solid	3540C	
680-117942-65 - DL	AOPSL601	Total/NA	Solid	3540C	
680-117942-66 - DL	AOPSL701	Total/NA	Solid	3540C	
680-117942-66	AOPSL701	Total/NA	Solid	3540C	
LCS 280-301124/2-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 280-301124/1-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 302698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-47 - DL	AOPSM401	Total/NA	Solid	8141A	301124
680-117942-47	AOPSM401	Total/NA	Solid	8141A	301124
680-117942-61 - DL	AOPSL301	Total/NA	Solid	8141A	301124
680-117942-61	AOPSL301	Total/NA	Solid	8141A	301124
680-117942-62 - DL	AOPCL301	Total/NA	Solid	8141A	301124
680-117942-62	AOPCL301	Total/NA	Solid	8141A	301124
680-117942-63 - DL	AOPSL401	Total/NA	Solid	8141A	301124
680-117942-63	AOPSL401	Total/NA	Solid	8141A	301124
680-117942-64 - DL	AOPSL501	Total/NA	Solid	8141A	301124
680-117942-64	AOPSL501	Total/NA	Solid	8141A	301124
680-117942-65 - DL	AOPSL601	Total/NA	Solid	8141A	301124
680-117942-65	AOPSL601	Total/NA	Solid	8141A	301124

GC Semi VOA (Continued)

Analysis Batch: 302698 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-66 - DL	AOPSL701	Total/NA	Solid	8141A	301124
680-117942-66	AOPSL701	Total/NA	Solid	8141A	301124
LCS 280-301124/2-A	Lab Control Sample	Total/NA	Solid	8141A	301124
MB 280-301124/1-A	Method Blank	Total/NA	Solid	8141A	301124

Analysis Batch: 303141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42 - DL	AOPSK101	Total/NA	Solid	8141A	300973
680-117942-43 - DL	AOPSM301	Total/NA	Solid	8141A	300973
680-117942-44 - DL	AOPSM201	Total/NA	Solid	8141A	300973
680-117942-45 - DL	AOPSL201	Total/NA	Solid	8141A	300973
680-117942-46 - DL	AOPSN301	Total/NA	Solid	8141A	300973
680-117942-48 - DL	AOPSN401	Total/NA	Solid	8141A	300973
680-117942-49 - DL	AOPSM501	Total/NA	Solid	8141A	300973

Analysis Batch: 303191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53 - DL	AOPSH301	Total/NA	Solid	8141A	300973
680-117942-53	AOPSH301	Total/NA	Solid	8141A	300973
680-117942-53 MS	AOPSH301	Total/NA	Solid	8141A	300973
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8141A	300973
680-117942-54 - DL	AOPSH401	Total/NA	Solid	8141A	300973
680-117942-54	AOPSH401	Total/NA	Solid	8141A	300973
680-117942-55 - DL	AOPSH501	Total/NA	Solid	8141A	300973
680-117942-55	AOPSH501	Total/NA	Solid	8141A	300973
680-117942-56 - DL	AOPCH501	Total/NA	Solid	8141A	300973
680-117942-56	AOPCH501	Total/NA	Solid	8141A	300973
680-117942-57 - DL	AOPSJ201	Total/NA	Solid	8141A	300973
680-117942-57	AOPSJ201	Total/NA	Solid	8141A	300973
680-117942-58 - DL	AOPSK201	Total/NA	Solid	8141A	300973
680-117942-58	AOPSK201	Total/NA	Solid	8141A	300973
680-117942-59 - DL	AOPSK301	Total/NA	Solid	8141A	300973
680-117942-59	AOPSK301	Total/NA	Solid	8141A	300973
680-117942-60 - DL	AOPSK501	Total/NA	Solid	8141A	300973
680-117942-60	AOPSK501	Total/NA	Solid	8141A	300973
LCS 280-300973/2-A	Lab Control Sample	Total/NA	Solid	8141A	300973
MB 280-300973/1-A	Method Blank	Total/NA	Solid	8141A	300973

Analysis Batch: 303332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8141A	300973
680-117942-43	AOPSM301	Total/NA	Solid	8141A	300973
680-117942-43 MS	AOPSM301	Total/NA	Solid	8141A	300973
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8141A	300973
680-117942-44	AOPSM201	Total/NA	Solid	8141A	300973

Analysis Batch: 303416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-45	AOPSL201	Total/NA	Solid	8141A	300973
680-117942-46	AOPSN301	Total/NA	Solid	8141A	300973
680-117942-49	AOPSM501	Total/NA	Solid	8141A	300973

GC Semi VOA (Continued)

Analysis Batch: 303416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-50 - DL	AOPSE601	Total/NA	Solid	8141A	300973
680-117942-50	AOPSE601	Total/NA	Solid	8141A	300973
680-117942-51 - DL	AOPSF501	Total/NA	Solid	8141A	300973
680-117942-51	AOPSF501	Total/NA	Solid	8141A	300973
680-117942-52 - DL	AOPSF701	Total/NA	Solid	8141A	300973
680-117942-52	AOPSF701	Total/NA	Solid	8141A	300973

Analysis Batch: 303569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-48	AOPSN401	Total/NA	Solid	8141A	300973
LCS 280-300973/2-A - RA	Lab Control Sample	Total/NA	Solid	8141A	300973
MB 280-300973/1-A - RA	Method Blank	Total/NA	Solid	8141A	300973

Prep Batch: 406950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8151A	
680-117942-43	AOPSM301	Total/NA	Solid	8151A	
680-117942-43 MS	AOPSM301	Total/NA	Solid	8151A	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8151A	
680-117942-44	AOPSM201	Total/NA	Solid	8151A	
680-117942-45	AOPSL201	Total/NA	Solid	8151A	
680-117942-46	AOPSN301	Total/NA	Solid	8151A	
680-117942-47	AOPSM401	Total/NA	Solid	8151A	
680-117942-48	AOPSN401	Total/NA	Solid	8151A	
680-117942-49	AOPSM501	Total/NA	Solid	8151A	
680-117942-50	AOPSE601	Total/NA	Solid	8151A	
680-117942-51	AOPSF501	Total/NA	Solid	8151A	
680-117942-52	AOPSF701	Total/NA	Solid	8151A	
680-117942-54	AOPSH401	Total/NA	Solid	8151A	
680-117942-55	AOPSH501	Total/NA	Solid	8151A	
680-117942-56	AOPCH501	Total/NA	Solid	8151A	
680-117942-57	AOPSJ201	Total/NA	Solid	8151A	
680-117942-58	AOPSK201	Total/NA	Solid	8151A	
680-117942-59	AOPSK301	Total/NA	Solid	8151A	
680-117942-60	AOPSK501	Total/NA	Solid	8151A	
680-117942-61	AOPSL301	Total/NA	Solid	8151A	
LCS 680-406950/22-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 680-406950/21-A	Method Blank	Total/NA	Solid	8151A	

Prep Batch: 406983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	8151A	
680-117942-53 MS	AOPSH301	Total/NA	Solid	8151A	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8151A	
680-117942-62	AOPCL301	Total/NA	Solid	8151A	
680-117942-63	AOPSL401	Total/NA	Solid	8151A	
680-117942-64	AOPSL501	Total/NA	Solid	8151A	
680-117942-65	AOPSL601	Total/NA	Solid	8151A	
680-117942-66	AOPSL701	Total/NA	Solid	8151A	
LCS 680-406983/8-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 680-406983/7-A	Method Blank	Total/NA	Solid	8151A	

QC Association Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Prep Batch: 406985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	3546	
680-117942-43	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3546	
680-117942-44	AOPSM201	Total/NA	Solid	3546	
680-117942-45	AOPSL201	Total/NA	Solid	3546	
680-117942-46	AOPSN301	Total/NA	Solid	3546	
680-117942-47	AOPSM401	Total/NA	Solid	3546	
680-117942-48	AOPSN401	Total/NA	Solid	3546	
680-117942-49	AOPSM501	Total/NA	Solid	3546	
680-117942-50	AOPSE601	Total/NA	Solid	3546	
680-117942-51	AOPSF501	Total/NA	Solid	3546	
680-117942-52	AOPSF701	Total/NA	Solid	3546	
680-117942-54	AOPSH401	Total/NA	Solid	3546	
680-117942-55	AOPSH501	Total/NA	Solid	3546	
680-117942-56	AOPCH501	Total/NA	Solid	3546	
680-117942-57	AOPSJ201	Total/NA	Solid	3546	
680-117942-58	AOPSK201	Total/NA	Solid	3546	
680-117942-59	AOPSK301	Total/NA	Solid	3546	
680-117942-60	AOPSK501	Total/NA	Solid	3546	
680-117942-61	AOPSL301	Total/NA	Solid	3546	
LCS 680-406985/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406985/25-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406985/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 406986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	3546	
680-117942-43	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MS	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3546	
680-117942-43 MSD	AOPSM301	Total/NA	Solid	3546	
680-117942-44	AOPSM201	Total/NA	Solid	3546	
680-117942-44 - DL	AOPSM201	Total/NA	Solid	3546	
680-117942-45	AOPSL201	Total/NA	Solid	3546	
680-117942-46	AOPSN301	Total/NA	Solid	3546	
680-117942-47	AOPSM401	Total/NA	Solid	3546	
680-117942-48	AOPSN401	Total/NA	Solid	3546	
680-117942-49	AOPSM501	Total/NA	Solid	3546	
680-117942-50	AOPSE601	Total/NA	Solid	3546	
680-117942-51	AOPSF501	Total/NA	Solid	3546	
680-117942-52	AOPSF701	Total/NA	Solid	3546	
680-117942-54	AOPSH401	Total/NA	Solid	3546	
680-117942-55	AOPSH501	Total/NA	Solid	3546	
680-117942-56	AOPCH501	Total/NA	Solid	3546	
680-117942-57	AOPSJ201	Total/NA	Solid	3546	
680-117942-58	AOPSK201	Total/NA	Solid	3546	
680-117942-59	AOPSK301	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 406986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-60	AOPSK501	Total/NA	Solid	3546	
680-117942-61	AOPSL301	Total/NA	Solid	3546	
LCS 680-406986/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406986/25-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-406986/28-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-406986/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 407038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3546	
680-117942-62	AOPCL301	Total/NA	Solid	3546	
680-117942-63	AOPSL401	Total/NA	Solid	3546	
680-117942-64	AOPSL501	Total/NA	Solid	3546	
680-117942-65	AOPSL601	Total/NA	Solid	3546	
680-117942-66	AOPSL701	Total/NA	Solid	3546	
LCS 680-407038/11-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-407038/8-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407038/7-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 407039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	3546	
680-117942-53 - DL	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MS	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3546	
680-117942-53 MSD	AOPSH301	Total/NA	Solid	3546	
680-117942-62	AOPCL301	Total/NA	Solid	3546	
680-117942-62 - DL	AOPCL301	Total/NA	Solid	3546	
680-117942-63 - DL	AOPSL401	Total/NA	Solid	3546	
680-117942-63	AOPSL401	Total/NA	Solid	3546	
680-117942-64 - DL	AOPSL501	Total/NA	Solid	3546	
680-117942-64	AOPSL501	Total/NA	Solid	3546	
680-117942-65	AOPSL601	Total/NA	Solid	3546	
680-117942-66	AOPSL701	Total/NA	Solid	3546	
680-117942-66 - DL	AOPSL701	Total/NA	Solid	3546	
LCS 680-407039/11-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-407039/14-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-407039/8-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-407039/7-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 407271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8151A DOD	406950
680-117942-43	AOPSM301	Total/NA	Solid	8151A DOD	406950
680-117942-43 MS	AOPSM301	Total/NA	Solid	8151A DOD	406950
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8151A DOD	406950

GC Semi VOA (Continued)

Analysis Batch: 407271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-44	AOPSM201	Total/NA	Solid	8151A DOD	406950
680-117942-45	AOPSL201	Total/NA	Solid	8151A DOD	406950
680-117942-46	AOPSN301	Total/NA	Solid	8151A DOD	406950
680-117942-47	AOPSM401	Total/NA	Solid	8151A DOD	406950
680-117942-48	AOPSN401	Total/NA	Solid	8151A DOD	406950
680-117942-49	AOPSM501	Total/NA	Solid	8151A DOD	406950
680-117942-50	AOPSE601	Total/NA	Solid	8151A DOD	406950
680-117942-51	AOPSF501	Total/NA	Solid	8151A DOD	406950
680-117942-52	AOPSF701	Total/NA	Solid	8151A DOD	406950
680-117942-54	AOPSH401	Total/NA	Solid	8151A DOD	406950
680-117942-55	AOPSH501	Total/NA	Solid	8151A DOD	406950
680-117942-56	AOPCH501	Total/NA	Solid	8151A DOD	406950
680-117942-57	AOPSJ201	Total/NA	Solid	8151A DOD	406950
680-117942-58	AOPSK201	Total/NA	Solid	8151A DOD	406950
680-117942-59	AOPSK301	Total/NA	Solid	8151A DOD	406950
680-117942-60	AOPSK501	Total/NA	Solid	8151A DOD	406950
680-117942-61	AOPSL301	Total/NA	Solid	8151A DOD	406950
LCS 680-406950/22-A	Lab Control Sample	Total/NA	Solid	8151A DOD	406950
MB 680-406950/21-A	Method Blank	Total/NA	Solid	8151A DOD	406950

Analysis Batch: 407275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	8151A DOD	406983
680-117942-53 MS	AOPSH301	Total/NA	Solid	8151A DOD	406983
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8151A DOD	406983
680-117942-62	AOPCL301	Total/NA	Solid	8151A DOD	406983
680-117942-63	AOPSL401	Total/NA	Solid	8151A DOD	406983
680-117942-64	AOPSL501	Total/NA	Solid	8151A DOD	406983
680-117942-65	AOPSL601	Total/NA	Solid	8151A DOD	406983
680-117942-66	AOPSL701	Total/NA	Solid	8151A DOD	406983
LCS 680-406983/8-A	Lab Control Sample	Total/NA	Solid	8151A DOD	406983
MB 680-406983/7-A	Method Blank	Total/NA	Solid	8151A DOD	406983

Analysis Batch: 407605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8015C DRO	406985
680-117942-43	AOPSM301	Total/NA	Solid	8015C DRO	406985
680-117942-43 MS	AOPSM301	Total/NA	Solid	8015C DRO	406985
680-117942-43 MS	AOPSM301	Total/NA	Solid	8015C DRO	406985
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8015C DRO	406985
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8015C DRO	406985
680-117942-44	AOPSM201	Total/NA	Solid	8015C DRO	406985
680-117942-62	AOPCL301	Total/NA	Solid	8015C DRO	407038
680-117942-63	AOPSL401	Total/NA	Solid	8015C DRO	407038
680-117942-64	AOPSL501	Total/NA	Solid	8015C DRO	407038
680-117942-65	AOPSL601	Total/NA	Solid	8015C DRO	407038
680-117942-66	AOPSL701	Total/NA	Solid	8015C DRO	407038
LCS 680-406985/22-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406985
LCS 680-406985/25-A	Lab Control Sample	Total/NA	Solid	8015C DRO	406985
MB 680-406985/21-A	Method Blank	Total/NA	Solid	8015C DRO	406985

GC Semi VOA (Continued)

Analysis Batch: 407606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-45	AOPSL201	Total/NA	Solid	8015C DRO	406985
680-117942-46	AOPSN301	Total/NA	Solid	8015C DRO	406985
680-117942-47	AOPSM401	Total/NA	Solid	8015C DRO	406985
680-117942-48	AOPSN401	Total/NA	Solid	8015C DRO	406985
680-117942-49	AOPSM501	Total/NA	Solid	8015C DRO	406985
680-117942-50	AOPSE601	Total/NA	Solid	8015C DRO	406985
680-117942-51	AOPSF501	Total/NA	Solid	8015C DRO	406985
680-117942-52	AOPSF701	Total/NA	Solid	8015C DRO	406985
680-117942-54	AOPSH401	Total/NA	Solid	8015C DRO	406985
680-117942-55	AOPSH501	Total/NA	Solid	8015C DRO	406985

Analysis Batch: 407607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-56	AOPCH501	Total/NA	Solid	8015C DRO	406985
680-117942-57	AOPSJ201	Total/NA	Solid	8015C DRO	406985
680-117942-58	AOPSK201	Total/NA	Solid	8015C DRO	406985
680-117942-59	AOPSK301	Total/NA	Solid	8015C DRO	406985
680-117942-60	AOPSK501	Total/NA	Solid	8015C DRO	406985
680-117942-61	AOPSL301	Total/NA	Solid	8015C DRO	406985

Analysis Batch: 408113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-53 MS	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-53 MS	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-53 MS	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-62	AOPCL301	Total/NA	Solid	8081B 8082A	407039
680-117942-63	AOPSL401	Total/NA	Solid	8081B 8082A	407039
680-117942-64	AOPSL501	Total/NA	Solid	8081B 8082A	407039
680-117942-66	AOPSL701	Total/NA	Solid	8081B 8082A	407039

Analysis Batch: 408225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-53	AOPSH301	Total/NA	Solid	8015C DRO	407038
680-117942-53 MS	AOPSH301	Total/NA	Solid	8015C DRO	407038
680-117942-53 MSD	AOPSH301	Total/NA	Solid	8015C DRO	407038
LCS 680-407038/11-A	Lab Control Sample	Total/NA	Solid	8015C DRO	407038
LCS 680-407038/8-A	Lab Control Sample	Total/NA	Solid	8015C DRO	407038
MB 680-407038/7-A	Method Blank	Total/NA	Solid	8015C DRO	407038

Analysis Batch: 408327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-45	AOPSL201	Total/NA	Solid	8081B 8082A	406986
680-117942-46	AOPSN301	Total/NA	Solid	8081B 8082A	406986
680-117942-47	AOPSM401	Total/NA	Solid	8081B 8082A	406986
680-117942-48	AOPSN401	Total/NA	Solid	8081B 8082A	406986
680-117942-49	AOPSM501	Total/NA	Solid	8081B 8082A	406986
680-117942-54	AOPSH401	Total/NA	Solid	8081B 8082A	406986

GC Semi VOA (Continued)

Analysis Batch: 408327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-57	AOPSJ201	Total/NA	Solid	8081B 8082A	406986
680-117942-58	AOPSK201	Total/NA	Solid	8081B 8082A	406986
680-117942-59	AOPSK301	Total/NA	Solid	8081B 8082A	406986
LCS 680-406986/22-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406986
LCS 680-406986/25-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406986
LCS 680-406986/28-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	406986
LCS 680-407039/11-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	407039
LCS 680-407039/14-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	407039
LCS 680-407039/8-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	407039
MB 680-406986/21-A	Method Blank	Total/NA	Solid	8081B 8082A	406986
MB 680-407039/7-A	Method Blank	Total/NA	Solid	8081B 8082A	407039

Analysis Batch: 408335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-42	AOPSK101	Total/NA	Solid	8081B 8082A	406986
680-117942-43	AOPSM301	Total/NA	Solid	8081B 8082A	406986
680-117942-43 MS	AOPSM301	Total/NA	Solid	8081B 8082A	406986
680-117942-43 MS	AOPSM301	Total/NA	Solid	8081B 8082A	406986
680-117942-43 MS	AOPSM301	Total/NA	Solid	8081B 8082A	406986
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8081B 8082A	406986
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8081B 8082A	406986
680-117942-43 MSD	AOPSM301	Total/NA	Solid	8081B 8082A	406986
680-117942-44	AOPSM201	Total/NA	Solid	8081B 8082A	406986
680-117942-50	AOPSE601	Total/NA	Solid	8081B 8082A	406986
680-117942-51	AOPSF501	Total/NA	Solid	8081B 8082A	406986
680-117942-52	AOPSF701	Total/NA	Solid	8081B 8082A	406986
680-117942-55	AOPSH501	Total/NA	Solid	8081B 8082A	406986
680-117942-56	AOPCH501	Total/NA	Solid	8081B 8082A	406986
680-117942-60	AOPSK501	Total/NA	Solid	8081B 8082A	406986
680-117942-61	AOPSL301	Total/NA	Solid	8081B 8082A	406986

Analysis Batch: 408444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117942-44 - DL	AOPSM201	Total/NA	Solid	8081B 8082A	406986
680-117942-53 - DL	AOPSH301	Total/NA	Solid	8081B 8082A	407039
680-117942-62 - DL	AOPCL301	Total/NA	Solid	8081B 8082A	407039
680-117942-63 - DL	AOPSL401	Total/NA	Solid	8081B 8082A	407039
680-117942-64 - DL	AOPSL501	Total/NA	Solid	8081B 8082A	407039
680-117942-65	AOPSL601	Total/NA	Solid	8081B 8082A	407039
680-117942-66 - DL	AOPSL701	Total/NA	Solid	8081B 8082A	407039

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSK101

Date Collected: 10/12/15 14:28
Date Received: 10/17/15 09:55

Lab Sample ID: 680-117942-42

Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			5.87 g	1 mL	407026	10/24/15 09:57	JMV	TAL SAV
Total/NA	Analysis	8270D DOD		1	5.87 g	1 mL	408042	10/29/15 17:42	CAR	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	5030B			1.05 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.05 g	5 mL	407291	10/26/15 01:53	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.98 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.98 g	1 mL	407605	10/28/15 05:27	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.93 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.93 g	10 mL	408335	10/30/15 20:52	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.9 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.9 g	2 mL	303141	11/09/15 20:57	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.9 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.9 g	2 mL	303332	11/10/15 15:56	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.11 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.11 g	10 mL	407271	10/24/15 19:03	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.02 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.02 g	5 mL	407291	10/26/15 05:00	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.77 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.77 g	1 mL	407605	10/28/15 05:42	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.79 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.79 g	10 mL	408335	10/30/15 21:07	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.6 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.6 g	2 mL	303141	11/09/15 21:26	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.6 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.6 g	2 mL	303332	11/10/15 16:26	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.16 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSM301

Date Collected: 10/12/15 14:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-43

Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8151A DOD		5	30.16 g	10 mL	407271	10/24/15 19:22	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM201

Date Collected: 10/12/15 13:58
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-44

Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.16 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.16 g	5 mL	407291	10/26/15 02:16	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.95 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.95 g	1 mL	407605	10/28/15 06:56	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.16 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	5.16 g	10 mL	408335	10/30/15 21:23	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3546	DL		5.16 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	25	5.16 g	10 mL	408444	10/31/15 19:33	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.1 g	2 mL	303141	11/09/15 21:55	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.1 g	2 mL	303332	11/10/15 17:53	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.01 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.01 g	10 mL	407271	10/24/15 19:40	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.01 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.01 g	5 mL	407291	10/26/15 02:40	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.30 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.30 g	1 mL	407606	10/28/15 08:39	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.85 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.85 g	10 mL	408327	10/30/15 17:02	JCK	TAL SAV
	Instrument ID: CSGK									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSL201

Date Collected: 10/12/15 14:25
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-45

Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			30.4 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.4 g	2 mL	303416	11/10/15 20:18	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.4 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.4 g	2 mL	303141	11/09/15 22:24	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.13 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.13 g	10 mL	407271	10/24/15 18:09	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSN301

Date Collected: 10/12/15 13:55
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-46

Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.14 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.14 g	5 mL	407291	10/26/15 03:03	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.93 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	5.93 g	1 mL	407606	10/28/15 08:54	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.17 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	5.17 g	10 mL	408327	10/30/15 17:18	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			32.5 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	32.5 g	2 mL	303416	11/10/15 20:48	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		32.5 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.5 g	2 mL	303141	11/09/15 22:53	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.02 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.02 g	10 mL	407271	10/24/15 18:27	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.03 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.03 g	5 mL	407291	10/26/15 03:26	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.88 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSM401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-47

Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015C DRO		5	5.88 g	1 mL	407606	10/28/15 09:09	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.95 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.95 g	10 mL	408327	10/30/15 17:33	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.6 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.6 g	2 mL	302698	11/05/15 19:27	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.6 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A		10	30.6 g	2 mL	302698	11/06/15 04:11	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.06 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.06 g	10 mL	407271	10/24/15 19:58	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSN401

Date Collected: 10/12/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-48

Matrix: Solid
Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.12 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.12 g	5 mL	407291	10/26/15 03:50	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.03 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.03 g	1 mL	407606	10/28/15 09:23	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.86 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	4.86 g	10 mL	408327	10/30/15 17:48	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.9 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.9 g	2 mL	303141	11/09/15 23:22	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			30.9 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.9 g	2 mL	303569	11/11/15 13:16	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.13 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.13 g	10 mL	407271	10/24/15 23:36	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSM501

Date Collected: 10/12/15 13:35
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-49

Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.05 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.05 g	5 mL	407291	10/26/15 04:13	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.81 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	5.81 g	1 mL	407606	10/28/15 09:38	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.88 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.88 g	10 mL	408327	10/30/15 18:04	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C			30.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.1 g	2 mL	303416	11/10/15 21:48	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C	DL		30.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.1 g	2 mL	303141	11/09/15 23:52	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.05 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.05 g	10 mL	407271	10/24/15 20:16	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSE601

Date Collected: 10/12/15 17:07
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-50

Matrix: Solid
Percent Solids: 99.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.10 g	5 mL	407324	10/25/15 12:00	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.10 g	5 mL	407291	10/26/15 04:37	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.93 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.93 g	1 mL	407606	10/28/15 09:53	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.06 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	5.06 g	10 mL	408335	10/30/15 21:38	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.6 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.6 g	2 mL	303416	11/10/15 16:43	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			30.6 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.6 g	2 mL	303416	11/10/15 18:46	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.07 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.07 g	10 mL	407271	10/24/15 20:34	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSF501

Date Collected: 10/12/15 17:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-51

Matrix: Solid
Percent Solids: 99.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.12 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.12 g	5 mL	407346	10/26/15 11:21	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.98 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.98 g	1 mL	407606	10/28/15 10:08	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.71 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	4.71 g	10 mL	408335	10/30/15 21:53	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.5 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.5 g	2 mL	303416	11/10/15 17:14	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			30.5 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.5 g	2 mL	303416	11/10/15 19:16	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.05 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.05 g	10 mL	407271	10/24/15 23:54	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSF701

Date Collected: 10/12/15 16:46
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-52

Matrix: Solid
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.10 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.10 g	5 mL	407346	10/26/15 11:45	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.79 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.79 g	1 mL	407606	10/28/15 10:22	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.21 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	5.21 g	10 mL	408335	10/30/15 22:24	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.8 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.8 g	2 mL	303416	11/10/15 17:45	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			30.8 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.8 g	2 mL	303416	11/10/15 19:47	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.08 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.08 g	10 mL	407271	10/25/15 00:13	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSH301

Date Collected: 10/12/15 17:00
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-53

Matrix: Solid
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.01 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.01 g	5 mL	407346	10/26/15 14:53	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.06 g	1 mL	407038	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.06 g	1 mL	408225	10/31/15 01:41	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.01 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	5.01 g	10 mL	408113	10/29/15 18:34	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3546	DL		5.01 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	10	5.01 g	10 mL	408444	10/31/15 20:19	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		32.8 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.8 g	2 mL	303191	11/09/15 18:52	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			32.8 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	32.8 g	2 mL	303191	11/09/15 23:26	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.08 g	10 mL	406983	10/23/15 07:43	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.08 g	10 mL	407275	10/25/15 02:20	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSH401

Date Collected: 10/12/15 17:15
Date Received: 10/16/15 09:45

Lab Sample ID: 680-117942-54

Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.13 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.13 g	5 mL	407346	10/26/15 12:08	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.87 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	5.87 g	1 mL	407606	10/28/15 10:37	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.94 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.94 g	10 mL	408327	10/30/15 18:19	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.3 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.3 g	2 mL	303191	11/09/15 19:23	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			30.3 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.3 g	2 mL	303191	11/10/15 00:57	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.03 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.03 g	10 mL	407271	10/24/15 22:05	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSH501

Lab Sample ID: 680-117942-55

Date Collected: 10/12/15 17:20

Matrix: Solid

Date Received: 10/17/15 09:50

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.07 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.07 g	5 mL	407346	10/26/15 12:32	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.78 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.78 g	1 mL	407606	10/28/15 10:52	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.10 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	5.10 g	10 mL	408335	10/30/15 22:39	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.1 g	2 mL	303191	11/09/15 19:53	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			30.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.1 g	2 mL	303191	11/10/15 01:28	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.09 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.09 g	10 mL	407271	10/24/15 23:18	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPCH501

Lab Sample ID: 680-117942-56

Date Collected: 10/12/15 17:20

Matrix: Solid

Date Received: 10/17/15 09:50

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.12 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.12 g	5 mL	407346	10/26/15 12:56	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.80 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.80 g	1 mL	407607	10/28/15 12:36	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.93 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	4.93 g	10 mL	408335	10/30/15 22:54	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.2 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.2 g	2 mL	303191	11/09/15 20:24	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			30.2 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.2 g	2 mL	303191	11/10/15 01:58	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.04 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.04 g	10 mL	407271	10/25/15 00:31	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSJ201

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-57

Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.23 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.23 g	5 mL	407346	10/26/15 13:19	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.09 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.09 g	1 mL	407607	10/28/15 12:50	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.26 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	5.26 g	10 mL	408327	10/30/15 18:34	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		32.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.1 g	2 mL	303191	11/09/15 20:54	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			32.1 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	32.1 g	2 mL	303191	11/10/15 02:29	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.15 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.15 g	10 mL	407271	10/24/15 22:24	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSK201

Date Collected: 10/12/15 14:57
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-58

Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.23 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.23 g	5 mL	407346	10/26/15 13:43	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.18 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.18 g	1 mL	407607	10/28/15 13:05	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.20 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	5.20 g	10 mL	408327	10/30/15 18:49	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		30.8 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	30.8 g	2 mL	303191	11/09/15 21:25	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			30.8 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	30.8 g	2 mL	303191	11/10/15 02:59	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.04 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.04 g	10 mL	407271	10/24/15 18:45	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSK301

Date Collected: 10/12/15 15:05
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-59

Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.06 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.06 g	5 mL	407346	10/26/15 14:06	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.30 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	6.30 g	1 mL	407607	10/28/15 13:20	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.91 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.91 g	10 mL	408327	10/30/15 19:05	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		32.3 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.3 g	2 mL	303191	11/09/15 21:55	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			32.3 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	32.3 g	2 mL	303191	11/10/15 03:29	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.08 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.08 g	10 mL	407271	10/24/15 22:42	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSK501

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-60

Matrix: Solid
Percent Solids: 64.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.23 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.23 g	5 mL	407346	10/26/15 14:30	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			5.79 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		10	5.79 g	1 mL	407607	10/28/15 13:35	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.94 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	4.94 g	10 mL	408335	10/30/15 22:09	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		31.5 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A	DL	1	31.5 g	2 mL	303191	11/09/15 22:25	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	3540C			31.5 g	2 mL	300973	10/25/15 11:20	JDW	TAL DEN
Total/NA	Analysis	8141A		10	31.5 g	2 mL	303191	11/10/15 04:00	AMP	TAL DEN
	Instrument ID: SGC_D									
Total/NA	Prep	8151A			30.13 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		10	30.13 g	10 mL	407271	10/25/15 00:49	JCK	TAL SAV
	Instrument ID: CSGS									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-61

Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.06 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.06 g	5 mL	407433	10/27/15 02:15	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.12 g	1 mL	406985	10/23/15 10:29	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.12 g	1 mL	407607	10/28/15 13:50	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			4.78 g	10 mL	406986	10/23/15 11:50	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		5	4.78 g	10 mL	408335	10/31/15 00:41	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		32.5 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.5 g	2 mL	302698	11/05/15 16:32	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			32.5 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A		10	32.5 g	2 mL	302698	11/06/15 01:16	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.07 g	10 mL	406950	10/23/15 07:42	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.07 g	10 mL	407271	10/24/15 23:00	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPCL301

Date Collected: 10/12/15 15:00
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-62

Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.16 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.16 g	5 mL	407433	10/27/15 02:39	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.12 g	1 mL	407038	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.12 g	1 mL	407605	10/28/15 03:58	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.14 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	5.14 g	10 mL	408113	10/29/15 20:22	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3546	DL		5.14 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	5	5.14 g	10 mL	408444	10/31/15 20:34	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		32.9 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.9 g	2 mL	302698	11/05/15 17:01	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			32.9 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A		10	32.9 g	2 mL	302698	11/06/15 01:46	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.02 g	10 mL	406983	10/23/15 07:43	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.02 g	10 mL	407275	10/25/15 02:38	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL401

Date Collected: 10/12/15 15:20
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-63

Matrix: Solid
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.24 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.24 g	5 mL	407433	10/27/15 03:02	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.08 g	1 mL	407038	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.08 g	1 mL	407605	10/28/15 04:13	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.01 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	5.01 g	10 mL	408113	10/29/15 20:38	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3546	DL		5.01 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	5	5.01 g	10 mL	408444	10/31/15 20:50	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		31.0 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.0 g	2 mL	302698	11/05/15 17:30	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			31.0 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A		10	31.0 g	2 mL	302698	11/06/15 02:15	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.07 g	10 mL	406983	10/23/15 07:43	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.07 g	10 mL	407275	10/25/15 02:56	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.20 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.20 g	5 mL	407433	10/27/15 03:25	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.01 g	1 mL	407038	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.01 g	1 mL	407605	10/28/15 04:28	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.02 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	5.02 g	10 mL	408113	10/29/15 20:53	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3546	DL		5.02 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	5	5.02 g	10 mL	408444	10/31/15 21:05	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		32.6 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.6 g	2 mL	302698	11/05/15 17:59	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			32.6 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSL501

Date Collected: 10/12/15 16:08
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-64

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8141A		10	32.6 g	2 mL	302698	11/06/15 02:44	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.10 g	10 mL	406983	10/23/15 07:43	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		1	30.10 g	10 mL	407275	10/25/15 03:14	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL601

Date Collected: 10/12/15 15:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-65

Matrix: Solid
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.01 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.01 g	5 mL	407433	10/27/15 03:49	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.06 g	1 mL	407038	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.06 g	1 mL	407605	10/28/15 04:43	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.02 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		10	5.02 g	10 mL	408444	10/31/15 21:20	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		31.9 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	31.9 g	2 mL	302698	11/05/15 18:29	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			31.9 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A		10	31.9 g	2 mL	302698	11/06/15 03:13	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.08 g	10 mL	406983	10/23/15 07:43	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.08 g	10 mL	407275	10/25/15 03:33	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.16 g	5 mL	407394	10/26/15 08:30	AAH	TAL SAV
Total/NA	Analysis	8015C GRO		1	1.16 g	5 mL	407433	10/27/15 04:12	AAH	TAL SAV
	Instrument ID: CVGWFID1									
Total/NA	Prep	3546			6.12 g	1 mL	407038	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8015C DRO		5	6.12 g	1 mL	407605	10/28/15 04:58	LBH	TAL SAV
	Instrument ID: CSGAB1									
Total/NA	Prep	3546			5.04 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A		1	5.04 g	10 mL	408113	10/29/15 21:08	JCK	TAL SAV
	Instrument ID: CSGK									

Lab Chronicle

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Client Sample ID: AOPSL701

Date Collected: 10/12/15 16:15
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-66

Matrix: Solid
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	DL		5.04 g	10 mL	407039	10/23/15 14:41	JMV	TAL SAV
Total/NA	Analysis	8081B 8082A	DL	5	5.04 g	10 mL	408444	10/31/15 21:36	JCK	TAL SAV
	Instrument ID: CSGK									
Total/NA	Prep	3540C	DL		32.7 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A	DL	100	32.7 g	2 mL	302698	11/05/15 18:58	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	3540C			32.7 g	2 mL	301124	10/26/15 18:52	JRK	TAL DEN
Total/NA	Analysis	8141A		10	32.7 g	2 mL	302698	11/06/15 03:42	AMP	TAL DEN
	Instrument ID: SGC_D2									
Total/NA	Prep	8151A			30.02 g	10 mL	406983	10/23/15 07:43	MAV	TAL SAV
Total/NA	Analysis	8151A DOD		5	30.02 g	10 mL	407275	10/25/15 03:51	JCK	TAL SAV
	Instrument ID: CSGS									

Client Sample ID: FB101415

Date Collected: 10/14/15 13:35
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-67

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			945.6 mL	2 mL	300374	10/21/15 14:12	JDW	TAL DEN
Total/NA	Analysis	8141A		1	945.6 mL	2 mL	300626	10/23/15 02:22	AMP	TAL DEN
	Instrument ID: SGC_D									

Client Sample ID: EB101415

Date Collected: 10/14/15 13:45
Date Received: 10/17/15 09:50

Lab Sample ID: 680-117942-68

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			956.9 mL	2 mL	300374	10/21/15 14:12	JDW	TAL DEN
Total/NA	Analysis	8141A		1	956.9 mL	2 mL	300626	10/23/15 02:52	AMP	TAL DEN
	Instrument ID: SGC_D									

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 1 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase SI

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST 8141	METALS, TCL	GRO	PESTS/PCBS	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSE201	E2	10-10-15	1800	SO	N	N	4	1	1	1			1						
	AOPSF201	F2	10-10-15	1730	SO	N	N	4	1	1	1			1						
	AOPSD301	D3	10-10-15	1815	SO	N	N	4	1	1	1			1						
	AOPSE301	E3	10-10-15	1715	SO	N	N	4	1	1	1			1						
	AOPSE501	E5	10-10-15	1630	SO	N	N	4	1	1	1			1						
	AOPCF101	F1	10-10-15	1745	SO	FD	N	4	1	1	1			1						
	AOPSC401	C4	10-10-15	1530	SO	N	N	4	1	1	1			1						
	AOPSF101	F1	10-10-15	1745	SO	N	N	4	1	1	1			1						
	AOPSD501	D5	10-10-15	1600	SO	N	N	4	1	1	1			1						
	AOPSD401	D4	10-10-15	1500	SO	N	N	4	1	1	1			1						
	AOPSC701	C7	10-11-15	1120	SO	~~FD~~ N	N	4	1	1	1			1						
	AOPSC801	C8	10-11-15	1140	SO	N	N	4	1	1	1			1						

680-117942 Chain of Custody

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Brantley	10/14/15	21:00	1 M. Valdez Ito	10/16/15	09:45
2			2 680-117942		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 2 of 6

Project Name: Site Investigation | PO No. | Project No. 085881781G Phase S1

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OPPEST 8141	TAL METALS	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSG701	G7	10.11.15	1740	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG1001	G1	10.11.15	1700	SO	N	N	4	1	1	1	~	~	1	~	~				
	AOPSG901	G9	10.11.15	1710	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD801	D8	10.11.15	1540	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD701	D7	10.11.15	1600	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSD1001	D10	10.11.15	1520	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG601	G6	10.11.15	1750	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSF1001	F10	10.11.15	1630	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSG801	G8	10.11.15	1720	SO	N	N	4	1	1	1	~	~	1	~					
	AOPCC901	C9	10.11.15	1445	SO	FD	N	4	1	1	1	~	~	1	~					
	AOPSC901	C9	10.11.15	1445	SO	N	N	4	1	1	1	~	~	1	~					
	AOPSE401	E4	10.10.15	1700	SO	N	N	4	1	1	1	~	~	1	~					

***Field* Comments:** 2.6/3.0 3.0/3.4

***Lab* Comments:** 3.6/4.0 3.0/4.4 3.0/2.4 2.8/3.2

Relinquished by (signature)	Date	Time
1 Ben Bradley	10/14/15	
2		
3		

Received by (signature)	Date	Time
1 [illegible]	10/16/15	09:45
2 680-117942		
3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No ~~✓~~ 4°C ID 10/16/15

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 3 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7 day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OPPEST8141	METALS, TAL	GRO	PCBS/PESTICIDES	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSB701	B7	10-11-15	1100	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSD901	D9	10-11-15	1200	SO	N	N	12	3	3	3	↓	↓	3	↓	↓			X	
	AOPSA601	A6	10-11-15	1045	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSB501	B5	10-11-15	1015	SO	N	N	4	1	1	1	↓	↓	1	↓	↓				
	AOPSM601	M6	10/12/15	1145	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM801	M8	10/12/15	1125	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPCM801	M8	10/12/15	1125	SO	FD	N	4	1	1	1	←	←	1	→	→				
	AOPSM701	M7	10/12/15	1150	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL801	L8	10/12/15	1120	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSJ1001	J10	10/12/15	1020	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSM1001	M10	10/12/15	1040	SO	N	N	4	1	1	1	←	←	1	→	→				
	AOPSL901	L9	10/12/15	1100	SO	N	N	4	1	1	1	←	←	1	→	→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 3.0/3.4 2.8/3.2

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ken Brantley	10/14/15	2100	1 M. Wilkinson	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type:** **AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 4 of 6

Project Name: Site Investigation

PO No.

Project No. 0888817816 Phase S1

Site Location: GTMO, CUBA

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America

Turnaround Time(specify): 7day Prelim 14 day Hardcopy

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	OP Pest 8141 10/16/15	Metals, TAL	GRO	PESTS/PCBs	SVOCs, TCL	PAHs	DRO	Herbicides			Extra Volume for MS/MSD	HOLD
	AOP SK1001	K10	10/12/15	1000	SO	N	N	4	1	1	1	←		1		→				
	AOP CK1001	K10	10/12/15	1000	SO	FD	N	4	1	1	1	←		1		→				
	AOP SK901	K9	10/12/15	1005	SO	N	N	4	1	1	1	←		1		→				
	AOP SM901	M9	10/12/15	1105	SO	N	N	4	1	1	1	←		1		→				
	AOP SL1001	L10	10/12/15	1020	SO	N	N	4	1	1	1	←		1		→				
	AOP SK101	K1	10/12/15	1428	SO	N	N	4	1	1	1	←		1		→				
	AOP SM301	M3	10/12/15	1400	SO	N	N	12	3	3	3	←		3		→			X	
	AOP SM201	M2	10/12/15	1358	SO	N	N	4	1	1	1	←		1		→				
	AOP SL201	L2	10/12/15	1425	SO	N	N	4	1	1	1	←		1		→				
	AOP SN301	N3	10/12/15	1355	SO	N	N	4	1	1	1	←		1		→				
	AOP SM401	M4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				
	AOP SN401	N4	10/12/15	1335	SO	N	N	4	1	1	1	←		1		→				

Field **Comments:** 2.6/3.0 3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Lab **Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	10/14/15	2100	1 [signature]	10/16/15	09:45
2			2	680-117942	
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes____ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 5 of 6

Project Name: SITE Investigation | PO No. | Project No: 68888176 Phase SI

Site Location: GTMO, CUBA | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. JMB5 RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America Turnaround Time(specify): 1DAY PRELIM 14DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	OP PEST	METALS, TAL	GRO	PEST/PCBs	SVOCs, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSM501	M5	10.12.15	1335	SO	N	N	4	1	1	1	←		1	→					
	AOPSE601	E6	10.12.15	1707	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF501	F5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSF701	F7	10.12.15	1646	SO	N	N	4	1	1	1	←		1	→			*		
	AOPSH301	H3	10.12.15	1700	SO	N	N	12	3	3	3	←		3	→				X	
	AOPSH401	H4	10.12.5	1715	SO	N	N	4	1	1	1	←		1	→					
	AOPSH501	H5	10.12.15	1720	SO	N	N	4	1	1	1	←		1	→					
	AOPCH501	H5	10.12.15	1720	SO	FD	N	4	1	1	1	←		1	→					
	AOPSJ201	J2	10.12.15	1520	SO	N	N	4	1	1	1	←		1	→					
	AOPSK201	K2	10.12.15	1457	SO	N	N	4	1	1	1	←		1	→					
	AOPSK301	K3	10.12.15	1505	SO	N	N	4	1	1	1	←		1	→					

Field **Comments:**
*Sample contains asphalt 2.6/3.0

Lab **Comments:**
3.0/3.4 3.6/4.0 3.0/3.4 2.8/3.2 3.0/3.4

Sample Shipment and Delivery Details
Number of coolers in shipment:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Ben Brantley	10/14/15	2100	michelle hatto	10/16/15	0945
2						
3						

Samples Iced?(check) Yes____ No____
Method of Shipment:
Airbill No: 680-117942
Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water
(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk
(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 6 of 6

Project Name: SITE Investigation | PO No. | Project No. 080881781.16 Phase SI

Site Location: GTMO, Cuba | **Sample Analysis Requested** (*Enter number of containers for each test*)

CTO No. | RC Project Manager: Paul Stoddard

Sampler/Site Phone#

Lab Name: Test America | Turnaround Time(specify): 7-DAY PRELIM 14-DAY HARDCOPY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	(3)→	OP PEST	METALS, TAL	GRO	PESTS/PCBs	SVOC, TCL	PAHs	DRO	HERBICIDES			Extra Volume for MS/MSD	HOLD
	AOPSK501	K5	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL301	L3	10-12-15	1500	SO	N	N	4		1	1	1	←		1	→					
	AOPCL301	L3	10-12-15	1500	SO	FD	N	4		1	1	1	←		1	→					
	AOPSL401	L4	10-12-15	1520	SO	N	N	4		1	1	1	←		1	→					
	AOPSL501	L5	10-12-15	1608	SO	N	N	4		1	1	1	←		1	→					
	AOPSL601	L6	10-12-15	1545	SO	N	N	4		1	1	1	←		1	→					
	AOPSL701	L7	10-12-15	1615	SO	N	N	4		1	1	1	←		1	→					
	FB 101415	—	10/14/15	1335	SQ	FB	N	9		1	Ø	3	1	1	1	1	1				
	EB101415	—	10/14/15	1345	SQ	EB	N	9		1	Ø	3	1	1	1	1	1				

Field **Comments:** 2.6/3.0 3.0/3.4

Lab **Comments:** 3.6/4.0 2.0/3.4 2.8/3.2 3.0/3.4

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Ben Bowden	10/14/15	2100	1 m. Mclaughlin	10/16/15	09:45
2			2 680-11794		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **AA**=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) **Sample Type: AB**=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) **Preservative added: HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-6
SDG Number: GTM06

Login Number: 117942
List Number: 1
Creator: Kicklighter, Marilyn D

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-6
SDG Number: GTM06

Login Number: 117942
List Number: 3
Creator: Soto, Mayra A

List Source: TestAmerica Denver
List Creation: 10/19/15 01:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-6
SDG Number: GTM06

Login Number: 117942
List Number: 6
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-6
SDG Number: GTM06

Login Number: 117942
List Number: 7
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	False	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-6
SDG Number: GTM06

Login Number: 117942
List Number: 8
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-6
SDG Number: GTM06

Login Number: 117942
List Number: 9
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:32 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	False	Refer to Job Narrative for details.
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Earth Toxics, Inc

Job Number: 680-117942-6
SDG Number: GTM06

Login Number: 117942
List Number: 10
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 10/20/15 01:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Earth Toxics, Inc
Project/Site: GTMO, Cuba / Site Investigation

TestAmerica Job ID: 680-117942-6
SDG: GTM06

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

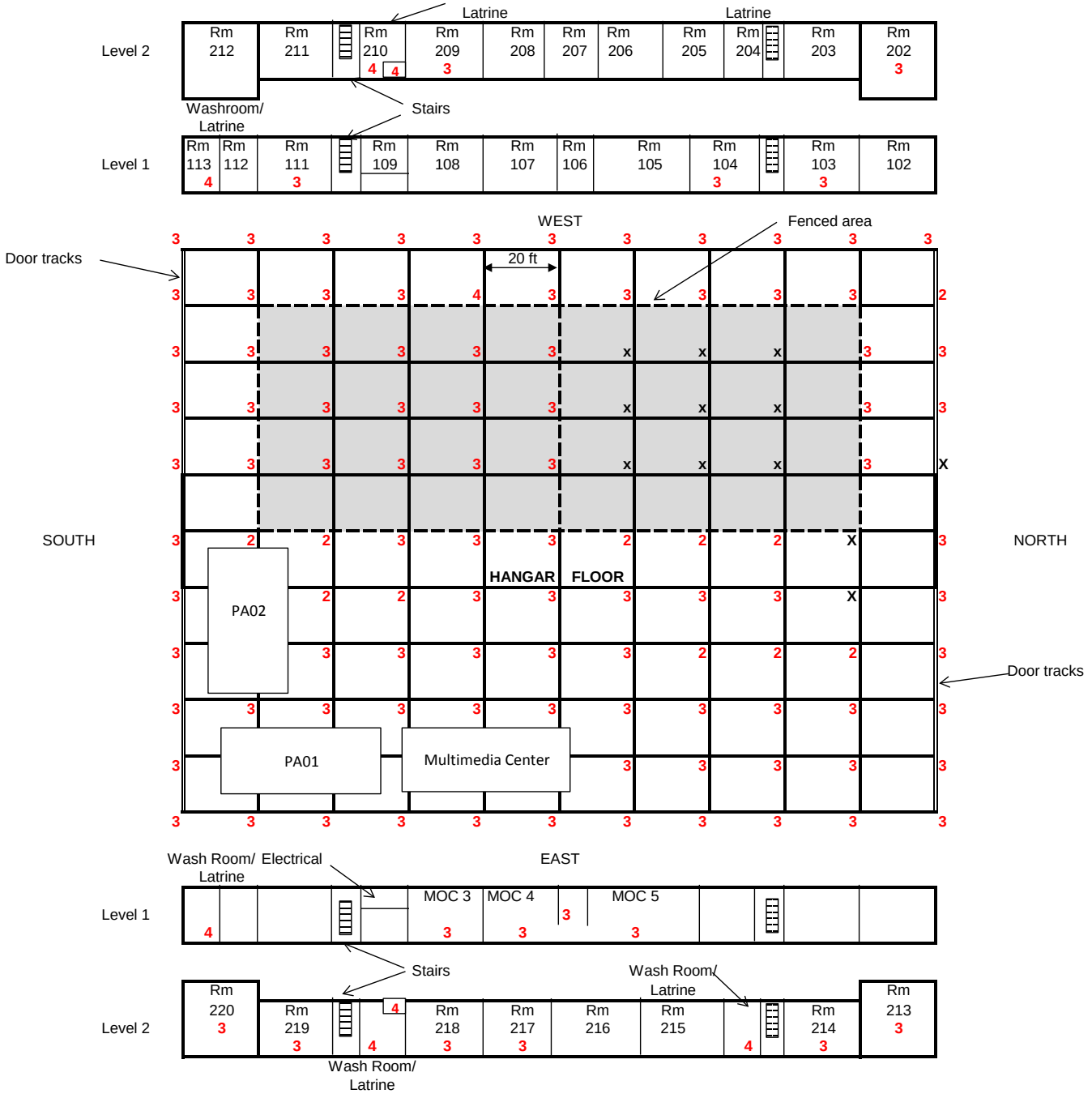
Laboratory: TestAmerica Denver

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	11-30-15 *
A2LA	ISO/IEC 17025		2907.01	11-30-15
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-16
Arizona	State Program	9	AZ0713	12-19-16
Arkansas DEQ	State Program	6	88-0687	06-01-16
California	State Program	9	2513	08-31-16
Connecticut	State Program	1	PH-0686	09-30-16
Florida	NELAP	4	E87667	06-30-16
Georgia	State Program	4	N/A	01-09-16
Illinois	NELAP	5	200017	04-30-16
Iowa	State Program	7	370	11-30-16
Kansas	NELAP	7	E-10166	04-30-16
Louisiana	NELAP	6	02096	06-30-16
Maine	State Program	1	CO0002	03-03-17
Minnesota	NELAP	5	8-999-405	12-31-15
Nevada	State Program	9	CO0026	07-31-16
New Hampshire	NELAP	1	205310	04-28-16
New Jersey	NELAP	2	CO004	11-30-15 *
New York	NELAP	2	11964	04-01-16
North Carolina (WW/SW)	State Program	4	358	12-31-15
North Dakota	State Program	8	R-034	01-09-16
Oklahoma	State Program	6	8614	08-31-16
Oregon	NELAP	10	4025	01-09-16
Pennsylvania	NELAP	3	68-00664	07-31-16
South Carolina	State Program	4	72002001	01-09-16
Texas	NELAP	6	T104704183-15-11	09-30-16
USDA	Federal		P330-13-00202	07-02-16
Utah	NELAP	8	CO00026	07-31-16
Virginia	NELAP	3	460232	06-14-16
Washington	State Program	10	C583	08-03-16
West Virginia DEP	State Program	3	354	11-30-15
Wisconsin	State Program	5	999615430	08-31-16
Wyoming (UST)	A2LA	8	2907.01	11-30-15

* Certification renewal pending - certification considered valid.

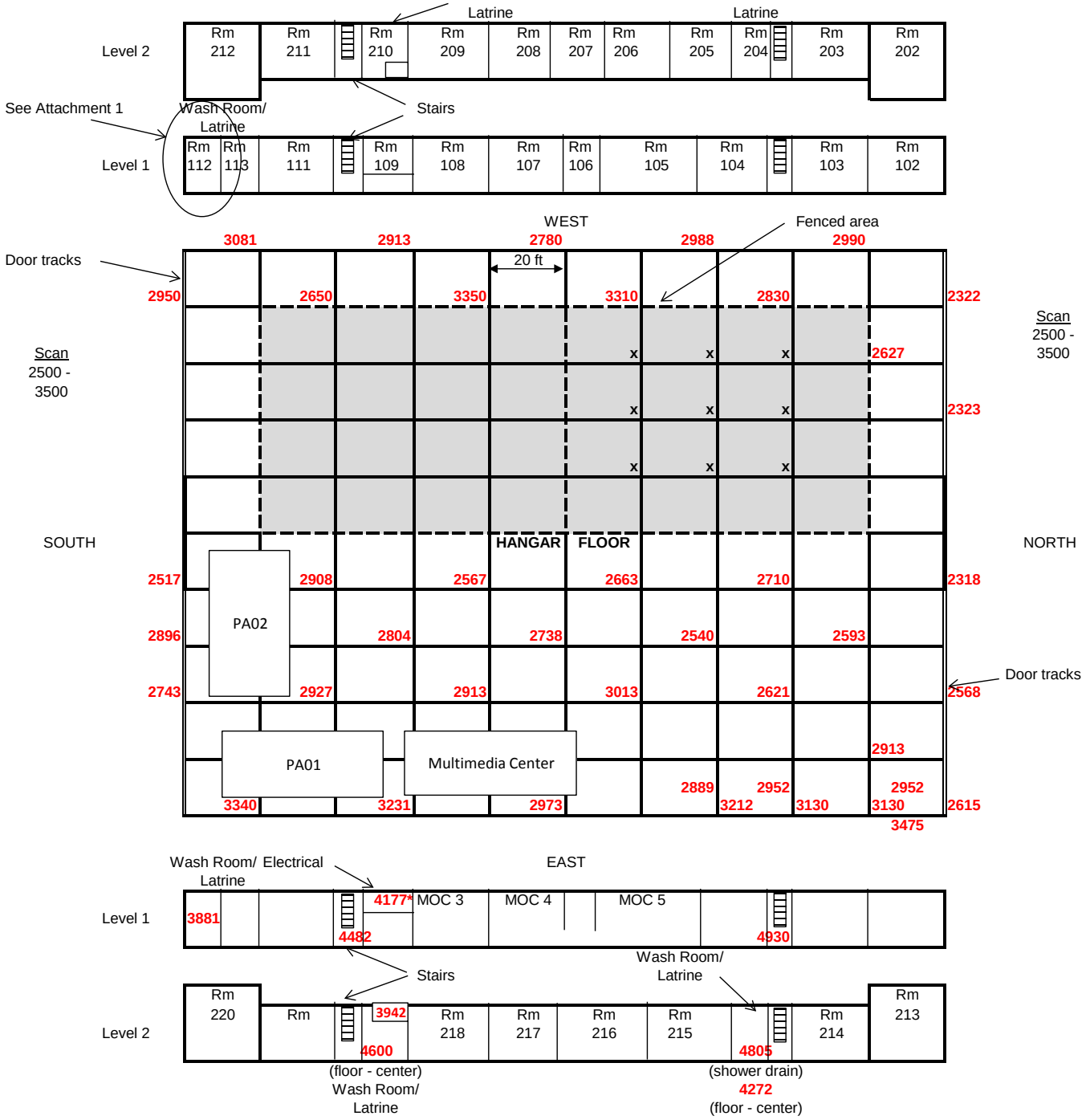
Appendix G
Ionizing Radiation



Date(s): 13&14-Oct-15
Instrument: Ludlum Model 19 gamma exposure rate meter
Units: micro Roentgen per hour (uR/hr)
Serial #: 85930
Cal Date: 17-Mar-15

Background: 2-3 µR/hr

Notes:
- Rooms without an exposure rate above were not accessible.
- Exposure rates reported in each room are the general exposure rates. No elevated levels were recorded inside upper or lower level rooms.
- The fenced storage area on the north side of the hangar floor was not accessible.
- No surveys were conducted inside PA02, PA01, or the Multimedia Center on he hangar fl
- "X" denotes an inaccessible location.



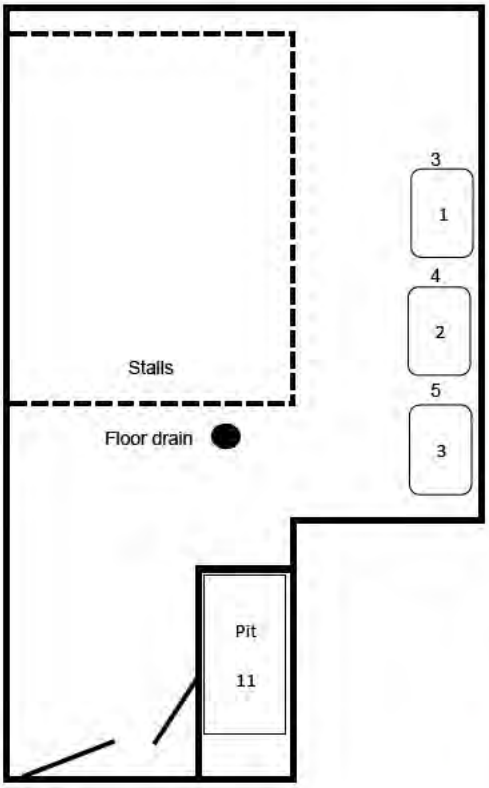
Date(s): 14-Oct-15
Instrument: Ludlum 2221 Model 44-10 (2x2 NaI probe)
Units: counts per minute (cpm)
Serial #: 176951 / PR170814
Cal Date: 17-Mar-14 (see notes)

Background: 2016 ± 110 cpm (higher near AV-32)

Notes:

* Average of 5 measurements (3 measurements on the floor and 2 measurements 1 meter
- Meter did not have a current calibration. However, instrument response checks were acceptable demonstrating consistent background and source measurements. Therefore, the results can be considered acceptable for quantative analysis.
- Measurements between 3500 and 4500 cpm are attributed to the geometry of the small space (proximity of the concrete of walls).

Room 112 - Immediately east of exterior anomaly area #4



Survey Pt	cpm	location	
1	8409	sink drain	
2	8313	sink drain	
3	7619	sink drain	
4	7016	edge of sink	
5	7115	edge of sink	
6	7223	edge of sink	
7	5718	pipe	
8	6800	pipe	(see note
9	5183	pipe	
10	3668	floor drain	
11	3983	pit floor	



Note:
The drain line from the center sink was disconnected from its original drain and connected to the drain of the sink to the right. Measurement #8 was made on the old drain pipe leading into the wall. Measurement #8 is 25% higher than the average of the drain line measurements to the right and left.

Date(s): 14-Oct-15
Instrument: Ludlum 2221 w/ 44-10 (2x2 NaI probe)
Units: counts per minute (cpm)
Serial #: 176951 / PR170814
Cal Date: 17-Mar-14 (see notes)

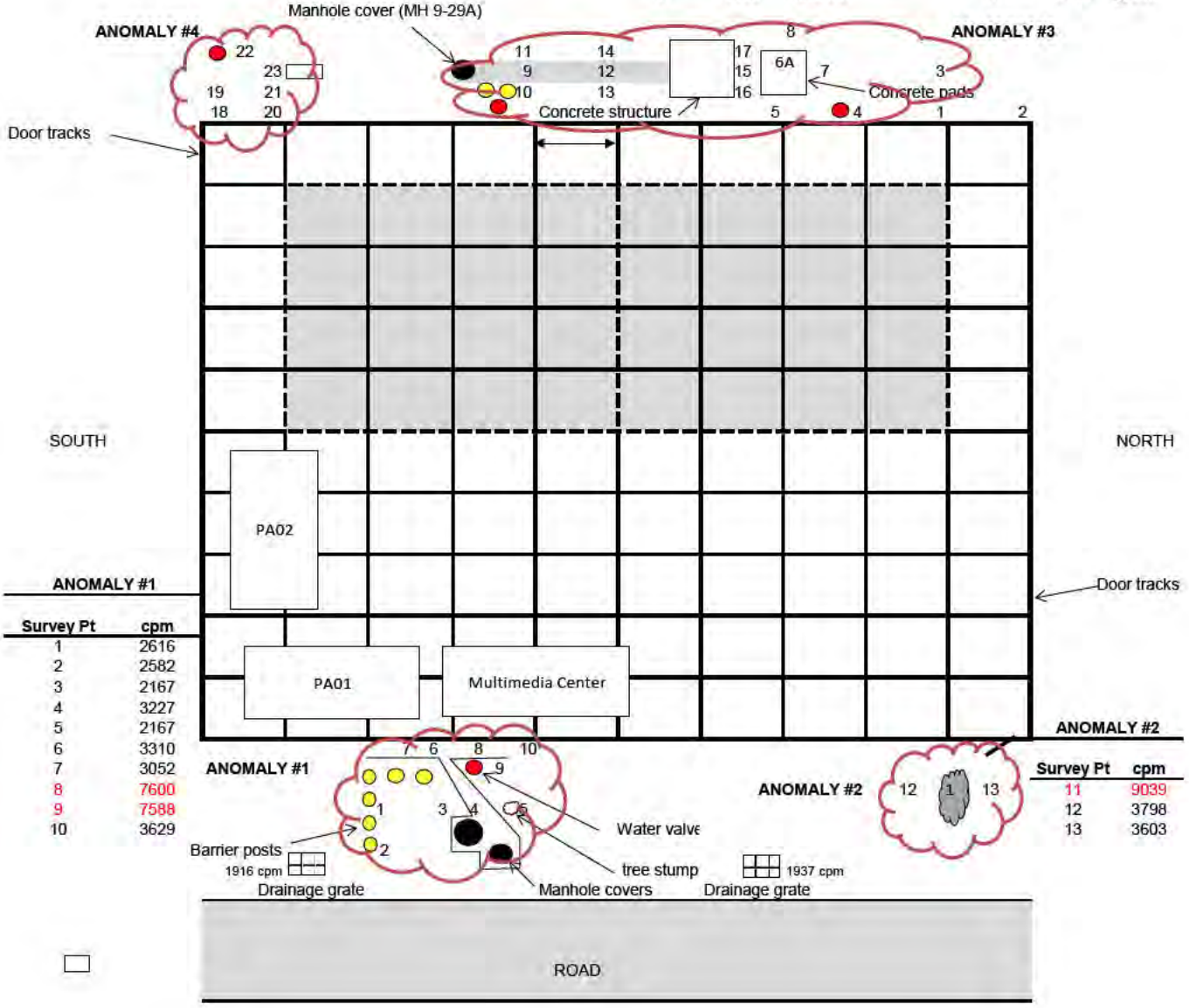
Background: 2016 ± 110 cpm (higher near AV-32)

Notes:
- Meter did not have a current calibration. However, instrument response checks were acceptable demonstrating consistent background and source measurements. Therefore, the results can be considered acceptable for quantative analysis.
- For comparison, measurements were made on the sinks in Room 210 (upper level, west si The measurements on the left and right sink drains were 7267 cpm and 7632 cpm, respecti

Survey Pt	cpm	
18	5258	grass
19	4833	grass
20	4054	grass
21	4371	grass
22	3026	grass
23	5734	grass

Survey Pt	cpm	
1	3849	grass
2	3211	grass
3	4786	grass
4	2551	grass
5	3924	grass
6A	4943	concrete
6B	4472	concrete
7	2613	concrete
8	3600	concrete

Survey Pt	cpm	
9	4795	concrete
10	3091	concrete
11	2666	grass
12	5044	concrete
13	2855	concrete
14	2628	concrete
15	4025	grass
16	3300	grass
17	3142	grass



Survey Pt	cpm
1	2616
2	2582
3	2167
4	3227
5	2167
6	3310
7	3052
8	7600
9	7588
10	3629

Survey Pt	cpm
11	9039
12	3798
13	3603

Date(s): 14-Oct-15
Instrument: Ludlum 2221 w/ 44-10 (2x2 NaI probe)
Units: counts per minute (cpm)
Serial #: 176951 / PR170814
Cal Date: 17-Mar-14 (see notes)

Background: 2016 ± 110 cpm (higher near AV-32)

Notes:
- Meter did not have a current calibration. However, instrument response checks were acceptable demonstrating consistent background and source measurements. Therefore, the results can be considered acceptable for quantative analysis.

Appendix H
Data Validation Report

VALIDATION SUMMARY

This report summarizes laboratory analytical data review findings for the Environmental Investigation of the Office of Military Commissions Camp Justice at Naval Station Guantanamo Bay, Cuba. Resolution Consultants reviewed all data packages discussed in this report independently from the laboratory to assess data quality. All data were reviewed for conformance to the analytical methods and requirements of the *Department of Defense Quality Systems Manual for Environmental Laboratories*, Version 5.0 (July 2013). When the quality control (QC) parameters did not fall within the specific method or data review guidelines, the data reviewer qualified (flagged) the corresponding analytes in accordance with the relevant standards in the following United States Environmental Protection Agency (U.S. EPA) guidance documents:

- *United States Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review.* August 2014.

- *United States Environmental Protection Agency Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review.* August 2014.

Samples discussed in this report were collected between 10 and 14 October 2015. Data packages consisting of QC summaries and raw data were evaluated. Table 1 summarizes the analytical data reviewed and includes media, methods, laboratories, and sample delivery groups discussed in this report. Attachment A summarizes all samples collected.

Table 1
Data Review Summary

Matrix	Analytical Method	Parameter	Laboratory	Sample Delivery Groups
Air	TO-11	Formaldehyde	Eurofins Air Toxics, Inc., Folsom, California	1510301
Air	TO-11	Formaldehyde	Eurofins Air Toxics, Inc., Folsom, California	1510302
Air	TO-15 and TO-15_SIM	Volatile Organic Compounds	Eurofins Air Toxics, Inc., Folsom, California	1510310
Air	TO-15 and TO-15_SIM	Volatile Organic Compounds	Eurofins Air Toxics, Inc., Folsom, California	1510311
Air	TO-15 and TO-15_SIM	Volatile Organic Compounds	Eurofins Air Toxics, Inc., Folsom, California	1510312
Air	TO-15 and TO-15_SIM	Volatile Organic Compounds	Eurofins Air Toxics, Inc., Folsom, California	1510313
Drinking Water	200.7	Copper and Lead	TestAmerica Laboratories, Inc., North Canton, Ohio	680-117954-2
Drinking Water	524.2	Trihalomethanes	TestAmerica Laboratories, Inc., Savannah, Georgia	680-117954-1
Drinking Water	552.2	Haloacetic Acids	TestAmerica Laboratories, Inc., Savannah, Georgia	680-117954-1
Paint Chips	8082A	Polychlorinated Biphenyl Compounds	TestAmerica Laboratories, Inc., Savannah, Georgia	680-118004-1

Table 1
Data Review Summary

Matrix	Analytical Method	Parameter	Laboratory	Sample Delivery Groups
Soil	6020A	Target Analyte List Metals	TestAmerica Laboratories, Inc., North Canton, Ohio	680-117942-1, 680-117942-2, 680-117942-3
Soil	7471B	Mercury	TestAmerica Laboratories, Inc., North Canton, Ohio	680-117942-1, 680-117942-2, 680-117942-3
Soil	8015C_D	Diesel Range Organics	TestAmerica Laboratories, Inc., Savannah, Georgia	680-117942-3, 680-117942-4, 680-117942-5, 680-117942-6
Soil	8015C_G	Gasoline Range Organics	TestAmerica Laboratories, Inc., Savannah, Georgia	680-117942-3, 680-117942-4, 680-117942-5, 680-117942-6
Soil	8081B/8082A	Target Compound List Pesticides/ Polychlorinated Biphenyl Compounds	TestAmerica Laboratories, Inc., Savannah, Georgia	680-117942-3, 680-117942-4, 680-117942-5, 680-117942-6
Soil	8141A	Organophosphorus Pesticides	TestAmerica Laboratories, Inc., Denver, Colorado	680-117942-4, 680-117942-5, 680-117942-6
Soil	8151A	Chlorinated Herbicides	TestAmerica Laboratories, Inc., Savannah, Georgia	680-117942-3, 680-117942-4, 680-117942-5, 680-117942-6
Soil	8270D	Target Compound List Semivolatile Organic Compounds	TestAmerica Laboratories, Inc., Savannah, Georgia	680-117942-1, 680-117942-2, 680-117942-3, 680-117942-6

Notes:
SIM = Selective ion monitoring

To obtain lower detection limits to assess data against screening levels, air samples analyzed for volatile organic compounds were run both in full scan and selective ion monitoring mode (SIM). Polynuclear aromatic hydrocarbons (PAHs), reported as part of the semivolatile organic analysis, were also analyzed via SIM mode to obtain lower detection limits.

The data review encompassed the following parameters:

* Data completeness
* Sample receipt and preservation
  Holding times
* Instrument tuning
* Initial calibration
  Initial calibration verification
  Continuing calibration verification
  Internal standards
  Organic surrogates
  Laboratory control samples (LCS)
* Metals interference check samples
  Blank contamination
  Matrix spike/matrix spike duplicates (MS/MSDs)
  Metals post-digestion spike recoveries
* Metals serial dilutions
* Pesticide breakdown check
  Gas Chromatography two-column confirmation
  Field and laboratory duplicate precision

Acceptable data parameters for which all criteria were met or no qualification was performed, as indicated above with an asterisk (*), are not discussed further.

Holding Times

All air, drinking water, and paint chips samples were prepared and analyzed within the analytical technical holding times. Nine soil samples were prepared or analyzed outside of holding times, as summarized in Table 2. Positive and undetected sample results were qualified as estimated, "J", and "UJ", respectively and may be biased low.

Table 2
Soil Holding Time Outliers

Method	Sample	Test Type	Sample Date	Preparation Date	Date Analyzed	DF	Holding Time[1]	Days Past Hold Time	Flags
8015C_G	AOPCL301	Initial	10/12/2015	10/26/2015	10/27/2015	1	15	1	J+/-
8015C_G	AOPSL301	Initial	10/12/2015	10/26/2015	10/27/2015	1	15	1	J+/-
8015C_G	AOPSL401	Initial	10/12/2015	10/26/2015	10/27/2015	1	15	1	J+/-
8015C_G	AOPSL501	Initial	10/12/2015	10/26/2015	10/27/2015	1	15	1	J+/-
8015C_G	AOPSL601	Initial	10/12/2015	10/26/2015	10/27/2015	1	15	1	J+/-
8015C_G	AOPSL701	Initial	10/12/2015	10/26/2015	10/27/2015	1	15	1	J+/-
8141A	AOPCM801	Initial	10/12/2015	10/27/2015	11/6/2015	10	15	1	J+/-, all analytes except naled and propazine
8141A	AOPCM801	Re-Analysis	10/12/2015	10/27/2015	11/7/2015	10	15	1	J+/-, naled only
8141A	AOPCM801	Dilution	10/12/2015	10/27/2015	11/9/2015	100	15	1	J+/-, propazine only

Notes:
[1] The holding time requirement was 14 days from sample collection to analysis (8015D_G) and 14 days from sample collection to preparation (8141A).
DF = Dilution factor
J+/- = Positive and undetected results were qualified estimated and may be biased low.

Thirty-six semivolatile samples were re-extracted, for various quality outliers, between 2 and 14 days past the 14-day sample preparation holding times and do not appear on Table 2. Ten gasoline range organic samples were analyzed 3 days outside the 14-day holding time and are also not reported on Table 2. The original sample results, which were prepared and/or analyzed within holding times, were reported for interpretation with the appropriate qualification, and the re-analyzed aliquots were not used for interpretation based on reviewer judgment.

Initial Calibration Verification

The accuracy of the initial calibration is verified using a second source standard. If percent differences (%Ds) are close to the known concentrations, the reported analyte concentrations are assumed to be accurate. Several organic analytes had initial calibration verification %Ds above the QC limits when the response was compared to the initial calibration and were qualified as estimated

in associated samples during data review, as shown on Table 3. Calibration outliers for values not reported for interpretation are excluded from this table, such as those reported from secondary dilutions/re-analyses.

Table 3
Initial Calibration Verification Outliers

Method	SDG	Calibration ID	Instrument, Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
TO-15 _SIM	All	20100128-ICV	msd20.i	Carbon Tetrachloride	141.83	<40	All samples
8081B	680-117942-4	ICV 680-392132/14	CSGZ, CLP I	Chlorobenzilate	-22.7	<20	All Samples in 680-117942-4
8081B	680-117942-4	ICV 680-392132/14	CSGZ, CLP I	Kepone	-22.7	<20	All Samples in 680-117942-4
8081B	680-117942-4	ICV 680-392132/14	CSGZ, CLP II	Kepone	-20.9	<20	All Samples in 680-117942-4
8081B	680-117942-4	ICV 680-392132/21	CSGZ, CLP I	Chlordane (technical) Peak 1	-23.5	<20	All Samples in 680-117942-4
8081B	680-117942-4	ICV 680-392132/21	CSGZ, CLP I	Toxaphene Peak 2	28.5	<20	All Samples in 680-117942-4
8081B	680-117942-4	ICV 680-392132/21	CSGZ, CLP II	Chlordane (technical) Peak 1	-24.5	<20	All Samples in 680-117942-4
8081B	680-117942-4	ICV 680-392132/21	CSGZ, CLP II	Toxaphene Peak 2	-20.3	<20	All Samples in 680-117942-4
8081B	680-117942-5	ICV 680-407812/18	CSGK, CLP I	Chlorobenzilate	-29.7	<20	All Samples in 680-117942-5
8081B	680-117942-5	ICV 680-407812/18	CSGK, CLP I	Kepone	-29.7	<20	All Samples in 680-117942-5
8081B	680-117942-5	ICV 680-407812/36	CSGK, CLP I	Chlordane (technical) Peak 5	-37.7	<20	All Samples in 680-117942-5
8081B	680-117942-5	ICV 680-407812/36	CSGK, CLP II	Chlordane (technical) Peak 1	-21.4	<20	All Samples in 680-117942-5
8081B	680-117942-6	ICV 680-407812/18	CSGK, CLP I	Chlorobenzilate	-29.7	<20	All samples in 680-117942-6
8081B	680-117942-6	ICV 680-407812/18	CSGK, CLP I	Kepone	-29.7	<20	All samples in 680-117942-6
8081B	680-117942-6	ICV 680-407812/36	CSGK, CLP I	Chlordane (technical) Peak 5	-37.7	<20	All samples in 680-117942-6
8081B	680-117942-6	ICV 680-407812/36	CSGK, CLP II	Chlordane (technical) Peak 1	-21.4	<20	All samples in 680-117942-6
8141A	680-117942-4	ICV 280-301985/11	SGC_D, RTX-1MS	Demeton-S	37.9	<20	AOPSF1001
8141A	680-117942-4	ICV 280-301985/11	SGC_D, RTX-OPP2	Demeton-S	51.8	<20	AOPSF1001
8141A	680-117942-5	ICV 280-301985/11	SGC_D, RTX-1MS	Demeton-S	37.9	<20	AOPCC901, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSG801, AOPSM601, AOPSM801
8141A	680-117942-5	ICV 280-301985/11	SGC_D, RTX-OPP2	Demeton-S	51.8	<20	AOPCC901, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSG801, AOPSM601, AOPSM801

Table 3
Initial Calibration Verification Outliers

Method	SDG	Calibration ID	Instrument, Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8270D	680-11792-1	ICV 680-407686/4	CMSG	N-Nitrosodimethylamine	-26.1	<20	AOPCF101, AOPSC401, AOPSC701, AOPSC801, AOPSD301, AOPSD401, AOPSD501, AOPSD701, AOPSD801, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201, AOPSG1001, AOPSG701, AOPSG901
8270D	680-11792-1	ICV 680-407686/4	CMSG	Benzaldehyde	28.1	<20	AOPCF101, AOPSC401, AOPSC701, AOPSC801, AOPSD301, AOPSD401, AOPSD501, AOPSD701, AOPSD801, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201, AOPSG1001, AOPSG701, AOPSG901
8270D	680-117942-2	ICV 680-407686/4	CMSG	Benzaldehyde	28.1	<20	AOPCF101, AOPSC401, AOPSC701, AOPSC801, AOPSD301, AOPSD401, AOPSD501, AOPSD701, AOPSD801, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201, AOPSG1001, AOPSG701, AOPSG901
8270D	680-117942-2	ICV 680-407684/4	CMSG	Benzaldehyde	24.9	<20	AOPCC901, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSE401, AOPSG801, AOPSM601, AOPSM801

Notes:
[1] The column identification is provided for gas chromatography methods employing two-column confirmation (8081B and 8141A) and is not applicable for mass spectrometry methods (TO-15_SIM and 8270D).
SDG = Sample delivery group
ID = Identification
%D = Percent difference
J+/- = Positive and undetected results were qualified as estimated.
SIM = Selective ion monitoring

Continuing Calibration Verification

Continuing calibration verifies that the instrument response is reliable and has not changed significantly from the initial calibration curve. If %Ds are close to the known concentrations, the reported analyte concentrations are assumed to be accurate. Several organic analytes had calibration verification %Ds above the QC limit when the response was compared to the initial calibration or the true value was compared to the found value. As shown on Table 4, analytes having %Ds above the QC limits were qualified as estimated in associated samples during data review. Calibrations outliers for values not reported are excluded from this table such as those reported secondary dilutions/re-analyses not used for interpretation.

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
TO-15	1510310	1510310-12ACCV	msd20.i	2-Propanol	31.67	<30	AV32IASMBKD, AV32IASMM01, AV32IASMM02, AV32IASMMP, AV32IASMMR, TENTIASMA2, TENTIASMC1, TENTIASML1, TENTIASMS1
TO-15 _SIM	1510310	1510310-12BCCV	msd20.i	Chloromethane	31.58	<30	AV32IASMBKD, AV32IASMM01, AV32IASMM02, AV32IASMMP, AV32IASMMR, TENTIASMA2, TENTIASMC1, TENTIASML1, TENTIASMS1
TO-15 _SIM	1510310	1510310-12BCCV	msd20.i	1,4-Dichlorobenzene	30.92	<30	AV32IASMBKD, AV32IASMM01, AV32IASMM02, AV32IASMMP, AV32IASMMR, TENTIASMA2, TENTIASMC1, TENTIASML1, TENTIASMS1
TO-15 _SIM	1510310	1510310-12BCCV	msd20.i	Trichloroethene	30.58	<30	AV32IASMBKD, AV32IASMM01, AV32IASMM02, AV32IASMMP, AV32IASMMR, TENTIASMA2, TENTIASMC1, TENTIASML1, TENTIASMS1
TO-15	1510311	1510311-12ACCV	msd20.i	2-Propanol	31.67	<30	TENTIASMA13, TENTIASMA9, TENTIASMB14, TENTIASMC13, TENTIASMC13D, TENTIASMC7, TENTIASMD1, TENTIASMD10, TENTIASMS3
TO-15	1510311	1510311-12CCCV	msd20.i	2-Propanol	35.1	<30	TENTIASMD11
TO-15	1510311	1510312-12ACCV	msd20.i	2-Propanol	35.1	<30	AV31IASM01, AV34IASMBKD, AV34IASMCR, AV34IASMHWY1N, ELCIASMBL1, ELCIASMBL2D, ELCIASMBL5
TO-15 _SIM	1510311	1510311-12BCCV	msd20.i	Chloromethane	31.58	<30	TENTIASMA13, TENTIASMA9, TENTIASMB14, TENTIASMC13, TENTIASMC13D, TENTIASMC7, TENTIASMD1, TENTIASMD10, TENTIASMS3
TO-15 _SIM	1510311	1510311-12BCCV	msd20.i	1,4-Dichlorobenzene	30.92	<30	TENTIASMA13, TENTIASMA9, TENTIASMB14, TENTIASMC13, TENTIASMC13D, TENTIASMC7, TENTIASMD1, TENTIASMD10, TENTIASMS3
TO-15 _SIM	1510311	1510310-12BCCV	msd20.i	Trichloroethene	30.58	<30	TENTIASMA13, TENTIASMA9, TENTIASMB14, TENTIASMC13, TENTIASMC13D, TENTIASMC7, TENTIASMD1, TENTIASMD10, TENTIASMS3
8015C_D	680-117942-5	CCV 680-408393/58	CSGAB1, ZB-5HT	JP-5	24	<20	AOPCK1001, AOPCM801, AOPSJ1001, AOPSK1001, AOPSL801, AOPSL901, AOPSM1001, AOPSM601, AOPSM701, AOPSM801
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP I	Chlordane (technical) Peak 3	21.1	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP I	Chlordane (technical) Peak 4	39.7	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP I	Chlordane (technical) Peak 5	21.6	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP I	Toxaphene Peak 2	36.4	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP I	Toxaphene Peak 3	21.8	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP I	Toxaphene Peak 5	23.4	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP II	Toxaphene Peak 2	26.5	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/5	CSGZ, CLP II	Toxaphene Peak 3	25.0	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/6	CSGZ, CLP II	Kepone	-26.2	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/30	CSGZ, CLP I	delta-BHC	24.3	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/32	CSGZ, CLP I	Chlordane (technical) Peak 3	25.7	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/32	CSGZ, CLP I	Chlordane (technical) Peak 4	32.4	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/32	CSGZ, CLP I	Chlordane (technical) Peak 5	27.7	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/32	CSGZ, CLP I	Toxaphene Peak 2	34.9	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/32	CSGZ, CLP I	Toxaphene Peak 3	26.9	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/32	CSGZ, CLP II	Toxaphene Peak 2	23.8	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8081B	680-117942-4	CCV 680-407184/32	CSGZ, CLP II	Toxaphene Peak 3	25.4	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/33	CSGZ, CLP I	Chlorobenzilate	-22.7	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/33	CSGZ, CLP I	Kepone	-22.7	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407184/33	CSGZ, CLP II	Kepone	-36.1	<20	AOPCF101, AOPSC401, AOPSD301, AOPSD401, AOPSD501, AOPSE201, AOPSE301, AOPSE501, AOPSF101, AOPSF201
8081B	680-117942-4	CCV 680-407226/46	CSGZ, CLP I	delta-BHC	23.0	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/46	CSGZ, CLP I	Endrin ketone	20.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Chlordane (technical) Peak 3	30.7	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Chlordane (technical) Peak 4	34.2	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Chlordane (technical) Peak 5	22.9	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Toxaphene Peak 2	35.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Chlordane (technical) Peak 2	22.1	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Chlordane (technical) Peak 4	20.7	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Chlordane (technical) Peak 5	22.6	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Toxaphene Peak 1	22.4	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Toxaphene Peak 2	22.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP I	Toxaphene Peak 3	22.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP II	Chlordane (technical) Peak 2	22.1	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP II	Chlordane (technical) Peak 4	20.7	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP II	Chlordane (technical) Peak 5	22.6	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP II	Toxaphene Peak 1	22.4	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP II	Toxaphene Peak 2	22.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/48	CSGZ, CLP II	Toxaphene Peak 3	22.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/49	CSGZ, CLP I	Isodrin	25.1	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/49	CSGZ, CLP I	Chlorobenzilate	-38.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/49	CSGZ, CLP I	Kepone	-38.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-4	CCV 680-407226/49	CSGZ, CLP II	Kepone	-36.2	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSF1001, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8081B	680-117942-5	CCV 680-407913/4	CSGK, CLP I	Chlorobenzilate	-22	<20	AOPCC901, AOPCM801, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSG801, AOPSM601, AOPSM801
8081B	680-117942-5	CCV 680-407913/4	CSGK, CLP I	Kepone	-22	<20	AOPCC901, AOPCM801, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSG801, AOPSM601, AOPSM801

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8081B	680-117942-5	CCV 680-407913/6	CSGK, CLP I	Chlordane (technical) Peak 5	87.5	<20	AOPCC901, AOPCM801, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSG801, AOPSM601, AOPSM801
8081B	680-117942-5	CCV 680-407947/45	CSGK, CLP I	4,4'-DDT	-26.1	<20	AOPCK1001, AOPCK1001-DL, AOPSJ1001, AOPSK1001, AOPSK1001-DL, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM701
8081B	680-117942-5	CCV 680-407947/45	CSGK, CLP II	4,4'-DDT	-28.2	<20	AOPCK1001, AOPCK1001-DL, AOPSJ1001, AOPSK1001, AOPSK1001-DL, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM701
8081B	680-117942-5	CCV 680-407947/48	CSGK, CLP I	Toxaphene Peak 5	-25.5	<20	AOPCK1001, AOPCK1001-DL, AOPSJ1001, AOPSK1001, AOPSK1001-DL, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM701
8081B	680-117942-5	CCV 680-407947/48	CSGK, CLP II	Toxaphene Peak 5	-23.3	<20	AOPCK1001, AOPCK1001-DL, AOPSJ1001, AOPSK1001, AOPSK1001-DL, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM701
8081B	680-117942-5	CCV 680-408327/4	CSGK, CLP I	Chlorobenzilate	-29.4	<20	AOPSL1001
8081B	680-117942-5	CCV 680-408327/4	CSGK, CLP I	Kepone	-29.4	<20	AOPSL1001
8081B	680-117942-5	CCV 680-408327/6	CSGK, CLP I	Chlordane (technical) Peak 5	87.8	<20	AOPSL1001
8081B	680-117942-5	CCV 680-408335/53	CSGK, CLP I	4,4'-DDT	-31.6	<20	AOPSL1001
8081B	680-117942-5	CCV 680-408444/8	CSGK, CLP I	PCB-1232 Peak 4	-22	<20	AOPSE401, AOPSM901
8081B	680-117942-6	CCVIS 680-408113/3	CSGK, CLP I	Methoxychlor	21.3	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/8	CSGK, CLP I	PCB-1232	-20.2	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/30	CSGK, CLP I	4,4'-DDD	22.1	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/30	CSGK, CLP I	4,4'-DDT	-58.6	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/30	CSGK, CLP I	Methoxychlor	-35.4	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/30	CSGK, CLP II	4,4'-DDD	27.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/30	CSGK, CLP II	4,4'-DDT	-61.1	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/30	CSGK, CLP II	Methoxychlor	-40.7	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/31	CSGK, CLP I	Chlorobenzilate	24.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/31	CSGK, CLP I	Kepone	24.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8081B	680-117942-6	CCV 680-408113/31	CSGK, CLP II	Kepone	36.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP I	Chlordane (technical) Peak 1	25.4	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP I	Chlordane (technical) Peak 3	24.6	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP I	Chlordane (technical) Peak 5	123.3	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP I	Toxaphene Peak 3	-20.5	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP I	Total Toxaphene	-25.7	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP I	Toxaphene Peak 4	-27.5	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP I	Toxaphene Peak 5	-56.3	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP II	Chlordane (technical) Peak 3	20.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP II	Chlordane (technical) Peak 5	23.4	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP II	Total Toxaphene	-25.1	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP II	Toxaphene Peak 4	-44.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408113/33	CSGK, CLP II	Toxaphene Peak 5	-53.8	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL701
8081B	680-117942-6	CCV 680-408327/4	CSGK, CLP I	Chlorobenzilate	-29.4	<20	AOPSH401, AOPSJ201, AOPSK201, AOPSK301, AOPSL201, AOPSM401, AOPSM501, AOPSN301, AOPSN401
8081B	680-117942-6	CCV 680-408327/4	CSGK, CLP I	Kepone	-29.4	<20	AOPSH401, AOPSJ201, AOPSK201, AOPSK301, AOPSL201, AOPSM401, AOPSM501, AOPSN301, AOPSN401
8081B	680-117942-6	CCV 680-408327/6	CSGK, CLP I	Chlordane (technical) Peak 5	87.8	<20	AOPSH401, AOPSJ201, AOPSK201, AOPSK301, AOPSL201, AOPSM401, AOPSM501, AOPSN301, AOPSN401
8081B	680-117942-6	CCV 680-408335/53	CSGK, CLP I	4,4'-DDT	-31.6	<20	AOPSK101, AOPSM301, AOPSM201, AOPSE601, AOPSF501, AOPSK501, AOPSF701, AOPSH501, AOPCH501, AOPSL301
8081B	680-117942-6	CCV 680-408335/53	CSGK, CLP I	4,4'-DDT	-35.5	<20	AOPSK101, AOPSM301, AOPSM201, AOPSE601, AOPSF501, AOPSK501, AOPSF701, AOPSH501, AOPCH501, AOPSL301
8081B	680-117942-6	CCV 680-408335/56	CSGK, CLP I	Toxaphene Peak 5	-31.3	<20	AOPSK101, AOPSM301, AOPSM201, AOPSE601, AOPSF501, AOPSK501, AOPSF701, AOPSH501, AOPCH501, AOPSL301
8081B	680-117942-6	CCV 680-408335/56	CSGK, CLP II	Toxaphene Peak 4	-20.3	<20	AOPSK101, AOPSM301, AOPSM201, AOPSE601, AOPSF501, AOPSK501, AOPSF701, AOPSH501, AOPCH501, AOPSL301

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8081B	680-117942-6	CCV 680-408335/56	CSGK, CLP II	Toxaphene Peak 5	-29.1	<20	AOPSK101, AOPSM301, AOPSM201, AOPSE601, AOPSF501, AOPSK501, AOPSF701, AOPSH501, AOPCH501, AOPSL301
8081B	680-117942-6	CCV 680-408444/8	CSGK, CLP I	PCB-1232 Peak 4	-22	<20	AOPCL301-DL, AOPSH301-DL, AOPSL401-DL, AOPSL501-DL, AOPSL601, AOPSL701-DL, AOPSM201-DL, AOPSM201-DL
8141A	680-117942-4	CCV 280-302677/22	SGC_D, RTX-OPP2	Dichlorvos	49.3	<20	AOPSF1001
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Mevinphos	-27.2	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	o,o',o''-Triethylphos-phorothioate	-22.7	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Thionazin	-24.8	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Demeton-O	-24.5	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Sulfotepp	-22.8	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Phorate	-24.3	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Dimethoate	-26.2	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Demeton-S	-22.5	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Simazine	-30.6	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Atrazine	-29.4	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Disulfoton	-22.2	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/28	SGC_D2, RTX-1MS	Diazinon	-29.8	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8141A	680-117942-4	CCV 280-301302/40	SGC_D2, RTX-1MS	Simazine	-20.8	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/40	SGC_D2, RTX-1MS	Propazine	-22.4	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCV 280-301302/40	SGC_D2, RTX-OPP	Dichlorvos	43.1	<20	AOPSE201, AOPSF201, AOPSD301, AOPSE301, AOPSE501, AOPCF101, AOPSC401, AOPSF101, AOPSD501, AOPSD401
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Mevinphos	-25.9	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	o,o',o''-Triethylphos-phorothioate	-24.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Dichlorvos	-23	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Thionazin	-25.2	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Demeton-O	-23.6	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Sulfotepp	-23.2	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Phorate	-23.9	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Dimethoate	-24.8	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Demeton-S	-21.3	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Simazine	-28.8	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Atrazine	-26.8	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Propazine	-30.2	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Disulfoton	-21.7	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Diazinon	-21.6	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCV 280-301497/14	SGC_D2, RTX-1MS	Dimethoate	-23.5	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCV 280-301497/14	SGC_D2, RTX-1MS	Simazine	-27.2	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCV 280-301497/14	SGC_D2, RTX-1MS	Atrazine	-25.4	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCV 280-301497/14	SGC_D2, RTX-1MS	Propazine	-29.1	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCV 280-301497/14	SGC_D2, RTX-1MS	Diazinon	-25.9	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-4	CCV 280-301497/14	SGC_D2, RTX-OPP	Dichlorvos	22.9	<20	AOPSC701, AOPSC801, AOPSD1001, AOPSD701, AOPSD801, AOPSG1001, AOPSG601, AOPSG701, AOPSG901
8141A	680-117942-5	CCV 280-302677/22	SGC_D, RTX-OPP2	Dichlorvos	49.3	<20	AOPCC901, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSG801, AOPSM601, AOPSM801
8141A	680-117942-5	CCV 280-302868/22	SGC_D, RTX-OPP2	Dichlorvos	40.3	<20	AOPCK1001, AOPSJ1001, AOPSK1001, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM701, AOPSM901
8141A	680-117942-5	CCV 280-301302/16	SGC_D2, RTX-1MS	Naled	-100.0	<20	AOPSE401-DL
8141A	680-117942-5	CCV 280-301302/28	SGC_D2, RTX-1MS	Naled	-100	<20	AOPSE401-DL
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Mevinphos	-25.9	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	o,o',o''-Triethylphos-phorothioate	-24.3	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Dichlorvos	-23	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Thionazin	-25.2	<20	AOPSE401

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Demeton-O	-23.6	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Sulfotepp	-23.2	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Phorate	-23.9	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Dimethoate	-24.8	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Demeton-S	-21.3	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Simazine	-28.8	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Atrazine	-26.8	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Disulfoton	-21.7	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301497/3	SGC_D2, RTX-1MS	Diazinon	-21.6	<20	AOPSE401
8141A	680-117942-5	CCV 280-301497/14	SGC_D2, RTX-1MS	Dimethoate	-23.5	<20	AOPSE401
8141A	680-117942-5	CCV 280-301497/14	SGC_D2, RTX-1MS	Simazine	-27.2	<20	AOPSE401
8141A	680-117942-5	CCV 280-301497/14	SGC_D2, RTX-1MS	Atrazine	-25.4	<20	AOPSE401
8141A	680-117942-5	CCV 280-301497/14	SGC_D2, RTX-1MS	Diazinon	-25.9	<20	AOPSE401
8141A	680-117942-5	CCV 280-301497/14	SGC_D2, RTX-OPP	Dichlorvos	22.9	<20	AOPSE401
8141A	680-117942-5	CCVIS 280-301748/3	SGC_D2, RTX-1MS	Naled	190.0	<20	AOPCC901-DL, AOPSA601-DL, AOPSB501-DL, AOPSB701-DL, AOPSC901-DL, AOPSD901-DL, AOPSG801-DL, AOPSM601-DL, AOPSM801-DL
8141A	680-117942-5	CCV 280-301748/16	SGC_D2, RTX-1MS	Naled	-100.0	<20	AOPCC901-DL, AOPCK1001-DL, AOPSA601-DL, AOPSB501-DL, AOPSB701-DL, AOPSC901-DL, AOPSD901-DL, AOPSG801-DL, AOPSJ1001-DL, AOPSK1001-DL, AOPSK901-DL, AOPSL801-DL, AOPSL901-DL, AOPSM1001-DL, AOPSM601-DL, AOPSM701-DL, AOPSM801-DL, AOPSM901-DL
8141A	680-117942-5	CCV 280-301748/26	SGC_D2, RTX-1MS	Naled	-100	<20	AOPCK1001-DL, AOPSJ1001-DL, AOPSK1001-DL, AOPSK901-DL, AOPSL801-DL, AOPSL901-DL, AOPSM1001-DL, AOPSM701-DL, AOPSM901-DL
8141A	680-117942-6	CCV 280-303191/14	SGC_D, RTX-1MS	Naled	-25.7	<20	AOPCH501-DL, AOPSH301-DL, AOPSH401-DL, AOPSH501-DL, AOPSJ201-DL, AOPSK201-DL, AOPSK301-DL, AOPSK501-DL

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8141A	680-117942-6	CCV 280-303191/25	SGC_D, RTX-OPP2	Dichlorvos	38	<20	AOPCH501, AOPSH301, AOPSH401, AOPSH501, AOPSJ201, AOPSK201, AOPSK301, AOPSK501
8141A	680-117942-6	CCV 280-303416/5	SGC_D, RTX-1MS	Dichlorvos	-20.2	<20	AOPSE601, AOPSF501, AOPSF701, AOPSL201, AOPSN301
8141A	680-117942-6	CCV 280-302698/32	SGC_D2, RTX-1MS	Dichlorvos	34.5	<20	AOPCL301, AOPSL301, AOPSL401, AOPSL501, AOPSL601, AOPSL701, AOPSM401
8141A	680-117942-6	CCV 280-302698/32	SGC_D2, RTX-OPP	Dichlorvos	42	<20	AOPCL301, AOPSL301, AOPSL401, AOPSL501, AOPSL601, AOPSL701, AOPSM401
8141A	680-117942-6	CCVIS 280-303332/3	SGC_D2, RTX-1MS	Mevinphos	-20.1	<20	AOPSK101, AOPSM201, AOPSM301
8141A	680-117942-6	CCVIS 280-303332/3	SGC_D2, RTX-1MS	o,o',o''-Triethylphos-phorothioate	-54.1	<20	AOPSK101, AOPSM201, AOPSM301
8141A	680-117942-6	CCVIS 280-303332/3	SGC_D2, RTX-1MS	Dichlorvos	-39.1	<20	AOPSK101, AOPSM201, AOPSM301
8141A	680-117942-6	CCVIS 280-303332/3	SGC_D2, RTX-1MS	Fensulfothion	26.4	<20	AOPSK101, AOPSM201, AOPSM301
8141A	680-117942-6	CCVIS 280-303332/3	SGC_D2, RTX-1MS	Coumaphos	20.5	<20	AOPSK101, AOPSM201, AOPSM301
8141A	680-117942-6	CCV 280-303332/16	SGC_D2, RTX-1MS	o,o',o''-Triethylphos-phorothioate	-37.5	<20	AOPSK101, AOPSM201, AOPSM301
8141A	680-117942-6	CCV 280-303332/16	SGC_D2, RTX-1MS	Fensulfothion	26	<20	AOPSK101, AOPSM201, AOPSM301
8141A	680-117942-6	CCVIS 280-303569/3	SGC_D2, RTX-1MS	o,o',o''-Triethylphos-phorothioate	-28.4	<20	AOPSN401
8141A	680-117942-6	CCVIS 280-303569/3	SGC_D2, RTX-1MS	Fensulfothion	28.2	<20	AOPSN401
8141A	680-117942-6	CCVIS 280-303569/3	SGC_D2, RTX-1MS	Azinphos-ethyl	21.6	<20	AOPSN401
8141A	680-117942-6	CCV 280-303569/7	SGC_D2, RTX-1MS	o,o',o''-Triethylphos-phorothioate	-20.4	<20	AOPSN401
8141A	680-117942-6	CCV 280-303569/7	SGC_D2, RTX-1MS	Fensulfothion	23.6	<20	AOPSN401
8141A	680-117942-6	CCV 280-303569/7	SGC_D2, RTX-1MS	Azinphos-ethyl	21.7	<20	AOPSN401
8151A	680-117942-4	CCV 680-407210/28	CSGS, DB-XLB	Dalapon	-21	<20	AOPCF101, AOPSC701, AOPSC801, AOPSD401, AOPSD501, AOPSD701, AOPSE301, AOPSE501, AOPSG1001, AOPSG701
8151A	680-117942-4	CCV 680-407210/44	CSGS, DB-XLB	Dalapon	-29.6	<20	AOPCF101, AOPSC701, AOPSC801, AOPSD401, AOPSD501, AOPSD701, AOPSE301, AOPSE501, AOPSG1001, AOPSG701
8151A	680-117942-4	CCV 680-407210/56	CSGS, DB-XLB	Dalapon	-33.7	<20	AOPSC401, AOPSD1001, AOPSD301, AOPSD801, AOPSE201, AOPSF1001, AOPSF101, AOPSF201, AOPSG601, AOPSG901
8151A	680-117942-5	CCV 680-407214/56	CSGS, DB-XLB	Dalapon	-33.7	<20	AOPCK1001, AOPSA601, AOPSB701, AOPSE401, AOPSK1001, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM601

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8151A	680-117942-5	CCV 680-407214/56	CSGS, DB-35MS	Picloram	-20.5	<20	AOPCK1001, AOPSA601, AOPSB701, AOPSE401, AOPSK1001, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM601
8151A	680-117942-5	CCV 680-407214/84	CSGS, DB-XLB	Dalapon	-38.1	<20	AOPCC901, AOPCM801, AOPSB501, AOPSC901, AOPSD901, AOPSG801, AOPSJ1001, AOPSM701, AOPSM801, AOPSM901
8151A	680-117942-5	CCV 680-407271/100	CSGS, DB-XLB	Dalapon	-52.2	<20	AOPSL1001
8151A	680-117942-6	CCV 680-407271/100	CSGS, DB-XLB	Dalapon	-52.2	<20	AOPCH501, AOPSE601, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK101, AOPSK201, AOPSK301, AOPSK501, AOPSL201, AOPSL301, AOPSM201, AOPSM301, AOPSM401, AOPSM501, AOPSN301, AOPSN401
8151A	680-117942-6	CCV 680-407271/112	CSGS, DB-XLB	Dalapon	-53.4	<20	AOPCH501, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK301, AOPSK501, AOPSL301, AOPSN401
8151A	680-117942-6	CCV 680-407271/112	CSGS, DB-XLB	Picloram	-32.1	<20	AOPCH501, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK301, AOPSK501, AOPSL301, AOPSN401
8151A	680-117942-6	CCV 680-407271/112	CSGS, DB-XLB	Acifluorfen	-41	<20	AOPCH501, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK301, AOPSK501, AOPSL301, AOPSN401
8151A	680-117942-6	CCV 680-407271/112	CSGS, DB-35MS	Bentazon	-20.6	<20	AOPCH501, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK301, AOPSK501, AOPSL301, AOPSN401
8151A	680-117942-6	CCV 680-407271/112	CSGS, DB-35MS	Picloram	-34.8	<20	AOPCH501, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK301, AOPSK501, AOPSL301, AOPSN401
8151A	680-117942-6	CCV 680-407271/112	CSGS, DB-35MS	Acifluorfen	-37.8	<20	AOPCH501, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK301, AOPSK501, AOPSL301, AOPSN401
8151A	680-117942-6	CCV 680-407275/124	CSGS, DB-XLB	Dalapon	-60.8	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL601, AOPSL701
8151A	680-117942-6	CCV 680-407275/124	CSGS, DB-XLB	Picloram	-36.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL601, AOPSL701
8151A	680-117942-6	CCV 680-407275/124	CSGS, DB-XLB	Acifluorfen	-45.5	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL601, AOPSL701
8151A	680-117942-6	CCV 680-407275/124	CSGS, DB-35MS	Picloram	-38	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL601, AOPSL701
8151A	680-117942-6	CCV 680-407275/124	CSGS, DB-35MS	Acifluorfen	-40.9	<20	AOPCL301, AOPSH301, AOPSL401, AOPSL501, AOPSL601, AOPSL701
8270D	680-11792-1	CCVC 680-407637/34	CMSAE	Indeno[1,2,3-cd] pyrene	-55.2	<50	AOPSD1001, AOPSF101, AOPSG601
8270D	680-117942-2	CCVC 680-407637/34	CMSAE	Indeno[1,2,3-cd] pyrene	-55.2	<50	AOPSD1001, AOPSF101, AOPSG601

Table 4
Continuing Calibration Outliers

Method	SDG	Calibration ID	Instrument/ Column[1]	Analyte	%D	Limit	Associated Samples Qualified J+/-
8270D	680-117942-2	CCV 680-408457/3	CMSG	1,4-Dioxane	-20.2	<20	AOPSL1001
8270D	680-117942-2	CCVC 680-408457/27	CMSG	Hexachlorocyclo-pentadiene	-54.3	<20	AOPSL1001
8270D	680-117942-2	CCVC 680-407637/34	CMSAE	Indeno[1,2,3-cd] pyrene	-55.2	<50	AOPCC901, AOPCM801, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSE401, AOPSG801, AOPSM601, AOPSM701, AOPSM801
8270D	680-117942-3	CCV 680-408457/3	CMSG	1,4-Dioxane	-20.2	<20	AOPCH501, AOPSE601, AOPSF501, AOPSF701, AOPSH501, AOPSJ201, AOPSK101, AOPSK201, AOPSK301, AOPSL201, AOPSM201, AOPSM301, AOPSM401, AOPSM501, AOPSN301, AOPSN401
8270D	680-117942-3	CCVC 680-408457/27	CMSG	Hexachlorocyclo-pentadiene	-54.3	<20	AOPCH501, AOPSE601, AOPSF501, AOPSF701, AOPSH501, AOPSJ201, AOPSK101, AOPSK201, AOPSK301, AOPSL201, AOPSM201, AOPSM301, AOPSM401, AOPSM501, AOPSN301, AOPSN401
8270D	680-117942-3	CCV 680-409308/3	CMSN	Benzaldehyde	-37.5	<20	AOPSH401

Notes:
[1] The column identification is provided for gas chromatography methods employing two-column confirmation (8015C_D, 8081B, 8141A, 8151A) and is not applicable for mass spectrometry methods (TO-15, TO15_SIM and 8270D).
SDG = Sample delivery group
ID = Identification
%D = Percent difference
J+/- = Positive and undetected results were qualified as estimated.
SIM = Selective ion monitoring

Internal Standards

Internal standards assess the existence and magnitude of instrument drift and physical interferences during each analysis and ensure that sensitivity and analyte responses are stable. All internal standard areas and retention times were either not qualified or were acceptable with the exceptions shown in Table 5. Analytes associated with the internal standards were qualified as estimated, as shown in this table. Several re-analyzed organophosphorus pesticide samples were undetected and internal standard areas indicated high result bias; therefore, these samples were omitted from Table 5.

Table 5
Internal Standard Area Outliers

Method	Sample	Column	Internal Standard	Internal Standard Area	Area Limits	Flags
8015C_G	AOPSF201	RTX502.2	4-Bromofluorobenzene	1973912	3136181 — 12544724	J+
8015C_G	AOPCF101	RTX502.2	4-Bromofluorobenzene	2778314	3136181 — 12544724	J+
8015C_G	AOPSC401	RTX502.2	4-Bromofluorobenzene	2152734	3136181 — 12544724	J+
8015C_G	AOPSF101	RTX502.2	4-Bromofluorobenzene	2149366	3136181 — 12544724	J+

Notes:
J+ = Positive results were qualified as estimated, indicating potential high result bias.

Organic Surrogates

Surrogates provide information needed to assess the accuracy of analyses. Known amounts of surrogate compounds, or compounds which are not likely to be found in the actual samples, are added to each organic sample to check for accuracy. If surrogate percent recoveries (%Rs) are close to the known concentrations, the reported target compound concentrations are assumed to be accurate. Table 6 shows the organic surrogate outliers and the qualifications performed. Surrogate outliers that did not require sample qualification for the following reasons are not shown in this table: samples diluted by a factor of 5 or more causing the spiking levels to be less than the parent sample limit of quantitation, one base-neutral and/or one acid semivolatile surrogate outside criteria, undetected results with high surrogate bias, and secondary dilutions/re-analyses not reported for interpretation.

Table 6
Organic Surrogate Outliers

Method	Sample	Laboratory ID	Surrogate	%R	Limits	Flags
552.2	AV29DW1BR	680-117954-18	2,3-Dibromopropionic Acid	150	70-130	J+
552.2	AV29DW2BR	680-117954-17	2,3-Dibromopropionic Acid	143	70-130	J+
552.2	AV32DWPH3	680-117954-2	2,3-Dibromopropionic Acid	132	70-130	J+
552.2	AW34DW2BR	680-117954-15	2,3-Dibromopropionic Acid	134	70-130	J+
552.2	CZDW10B	680-117954-11	2,3-Dibromopropionic Acid	141	70-130	J+
552.2	CZDW16A	680-117954-8	2,3-Dibromopropionic Acid	145	70-130	J+
552.2	CZDW23A	680-117954-7	2,3-Dibromopropionic Acid	152	70-130	J+
552.2	CZDW35A	680-117954-6	2,3-Dibromopropionic Acid	131	70-130	J+
552.2	CZDW5A	680-117954-10	2,3-Dibromopropionic Acid	145	70-130	J+
552.2	ELCDWPH	680-117954-16	2,3-Dibromopropionic Acid	131	70-130	J+
552.2	TENTDWL3	680-117954-13	2,3-Dibromopropionic Acid	133	70-130	J+
8015C_G	AOPSF201	680-117942-2	a,a,a-Trifluorotoluene	153	68-134	J+
8015C_G	AOPCF101	680-117942-6	a,a,a-Trifluorotoluene	139	68-134	J+
8015C_G	AOPSC401	680-117942-7	a,a,a-Trifluorotoluene	155	68-134	J+
8015C_G	AOPSF101	680-117942-8	a,a,a-Trifluorotoluene	172	68-134	J+
8141A	AOPSK501	680-117942-60	Triphenyl phosphate	0.6	47-161	J+/-, Naled only
8270D	AOPSF1001	680-117942-20	2-Fluorobiphenyl	57	58-130	J+/- All base-neutral compounds
8270D	AOPSF1001	680-117942-20	p-Terphenyl-d14	55	60-130	J+/- All base-neutral compounds
8270D	AOPSB501	680-117942-28	2-Fluorobiphenyl	57	58-130	J+/- All base-neutral compounds
8270D	AOPSB501	680-117942-28	p-Terphenyl-d14	57	60-130	J+/- All base-neutral compounds
8270D	AOPSN301	680-117942-46	2-Fluorobiphenyl	52	58-130	J+/- All base-neutral compounds
8270D	AOPSN301	680-117942-46	p-Terphenyl-d14	55	60-130	J+/- All base-neutral compounds
8270D	AOPSE601	680-117942-50	2,4,6-Tribromophenol	51	58-130	All J+/-
8270D	AOPSE601	680-117942-50	o-Fluorophenol	37	40-130	All J+/-
8270D	AOPSE601	680-117942-50	Phenol-d5	42	49-130	All J+/-
8270D	AOPSE601	680-117942-50	2-Fluorobiphenyl	43	58-130	All J+/-
8270D	AOPSE601	680-117942-50	Nitrobenzene-d5	40	46-130	All J+/-

Table 6
Organic Surrogate Outliers

Method	Sample	Laboratory ID	Surrogate	%R	Limits	Flags
8270D	AOPSE601	680-117942-50	p-Terphenyl-d14	50	60-130	All J+/-
8270D	AOPSH501	680-117942-55	2,4,6-Tribromophenol	50	58-130	All J+/-
8270D	AOPSH501	680-117942-55	Phenol-d5	45	49-130	All J+/-
8270D	AOPSH501	680-117942-55	2-Fluorobiphenyl	47	58-130	All J+/-
8270D	AOPSH501	680-117942-55	p-Terphenyl-d14	50	60-130	All J+/-
8270D	AOPCH501	680-117942-56	o-Fluorophenol	37	40-130	All J+/-
8270D	AOPCH501	680-117942-56	Phenol-d5	42	49-130	All J+/-
8270D	AOPCH501	680-117942-56	2-Fluorobiphenyl	49	58-130	All J+/-
8270D	AOPCH501	680-117942-56	p-Terphenyl-d14	55	60-130	All J+/-
8270D	AOPSJ201	680-117942-57	2-Fluorobiphenyl	55	58-130	J+/- All base-neutral compounds
8270D	AOPSJ201	680-117942-57	p-Terphenyl-d14	58	60-130	J+/- All base-neutral compounds
8270D	AOPSK301	680-117942-59	2-Fluorobiphenyl	56	58-130	J+/- All base-neutral compounds
8270D	AOPSK301	680-117942-59	p-Terphenyl-d14	59	60-130	J+/- All base-neutral compounds
8270D	AOPSK501	680-117942-60	2-Fluorobiphenyl	56	58-130	J+/- All base-neutral compounds
8270D	AOPSK501	680-117942-60	p-Terphenyl-d14	54	60-130	J+/- All base-neutral compounds

Notes:
ID = Identification
%R = Percent recovery
J+ = Positive results were qualified as estimated, indicating potential high result bias.
J+/- = Positive and undetected results were qualified estimated, indicating potential low result bias.

Laboratory Control Samples

LCSs are blanks spiked with a known amount of target analytes to monitor the overall performance of each step during analysis, including sample preparation. %Rs above the laboratory control limit could indicate a potential high result bias while %Rs below QC limits could indicate a potential low result bias. Table 7 shows LCS outliers and qualifications applied during data review. LCS outliers where values were undetected and %Rs indicated high bias are not shown in this table.

Table 7
Laboratory Control Sample Outliers

Method	LCS	Analyte	%R	Limits	Associated Samples	Flags
TO-15_SIM	1510310-13BBS	Carbon tetrachloride	134	68-132	AV32IASMBKD, AV32IASMM01, AV32IASMM02, AV32IASMMP, AV32IASMMR, TENTIASMA13, TENTIASMA2, TENTIASMA9, TENTIASMB14, TENTIASMC1, TENTIASMC13, TENTIASMC13D, TENTIASMC7, TENTIASMD1, TENTIASMD10, TENTIASML1, TENTIASMS1, TENTIASMS3	J+

Table 7
Laboratory Control Sample Outliers

Method	LCS	Analyte	%R	Limits	Associated Samples	Flags
TO-15_SIM	1510312-13BBS	Carbon tetrachloride	134	68-132	AV31IASM01, AV34IASMBKD, AV34IASMCR, AV34IASMHWY1N, ELCIASMBL1, ELCIASMBL2, ELCIASMBL2D, ELCIASMBL3107, ELCIASMBL5, TENTIASMD11	J+
8081B	LCS 680-406986/28-A	Kepone	174	10-138	AOPCH501, AOPSE601, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK101, AOPSK201, AOPSK301, AOPSK501, AOPSL1001, AOPSL201, AOPSL301, AOPSM201, AOPSM301, AOPSM401, AOPSM501, AOPSN301, AOPSN401	J+
8081B	LCS 680-407039/14-A	Kepone	182	10-138	AOPCL301, AOPSH301, AOPSH401, AOPSJ201, AOPSK201, AOPSK301, AOPSL1001, AOPSL201, AOPSL401, AOPSL501, AOPSL601, AOPSL701, AOPSM401, AOPSM501, AOPSN301, AOPSN401	J+
8151A	LCS 680-406485/22-A	2,4-DB	29	34-142	AOPCF101, AOPSC401, AOPSC701, AOPSC801, AOPSD1001, AOPSD301, AOPSD401, AOPSD501, AOPSD701, AOPSD801, AOPSE201, AOPSE301, AOPSE501, AOPSF1001, AOPSF101, AOPSF201, AOPSG1001, AOPSG601, AOPSG701, AOPSG901	J+/-
8151A	LCS 680-406504/22-A	2,4-DB	31	34-142	AOPCC901, AOPCK1001 AOPCM801, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSE401, AOPSG801, AOPSJ1001, AOPSK1001, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM601, AOPSM701, AOPSM801, AOPSM901	J+/-
8151A	LCS 680-406950/22-A	2,4-DB	31	34-142	AOPCH501, AOPSE601, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK101, AOPSK201, AOPSK301, AOPSK501, AOPSL1001, AOPSL201, AOPSL301, AOPSM201, AOPSM301, AOPSM401, AOPSM501, AOPSN301, AOPSN401	J+/-
8270D	LCS 680-406542/22-A	Hexachlorocyclo-pentadiene	18	28-130	AOPCF101, AOPSC401, AOPSC701, AOPSC801, AOPSD1001, AOPSD301, AOPSD401, AOPSD501, AOPSD701, AOPSD801, AOPSE201, AOPSE301, AOPSE501, AOPSF1001, AOPSF101, AOPSF201, AOPSG1001, AOPSG601, AOPSG701, AOPSG901	J+/-
8270D	LCS 680-407027/22-A	Hexachlorocyclo-pentadiene	23	28-130	AOPCH501, AOPSE601, AOPSF501, AOPSF701, AOPSH401, AOPSH501, AOPSJ201, AOPSK101, AOPSK201, AOPSK301, AOPSK501, AOPSL1001, AOPSL201, AOPSL301, AOPSM201, AOPSM301, AOPSM401, AOPSM501, AOPSN301, AOPSN401	J+/-
8270D	LCS 680-407036/8-A	4-Nitroaniline	39	41-130	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-407036/8-A	Benzaldehyde	5	10-130	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-

Table 7
Laboratory Control Sample Outliers

Method	LCS	Analyte	%R	Limits	Associated Samples	Flags
8270D	LCS 680-407036/8-A	Hexachlorocyclo-pentadiene	27	28-130	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-407036/8-A	2,4-Dinitrotoluene	45	48-126	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-407036/8-A	2-Nitroaniline	42	44-127	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-407036/8-A	4-Chlorophenylphenyl-ether	43	45-121	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-407036/8-A	Dibenzofuran	41	44-120	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-407036/8-A	Diethylphthalate	45	50-124	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-407036/8-A	Dimethylphthalate	47	48-124	AOPCL301, AOPSH301, AOPSK501, AOPSL301, AOPSL401, AOPSL501 AOPSL601, AOPSL701	J+/-
8270D	LCS 680-409071/15-A	2,4-Dinitrophenol	7	10-130	AOPSE201, AOPSH401	J+/-
8270D	LCS 680-409071/15-A	2-Methyl-4,6-Dinitrophenol	17	29-132	AOPSE201, AOPSH401	J+/-

Notes:
LCS = Laboratory control sample
%R = Percent recovery
SIM = Selective ion monitoring
J+ = Positive results were qualified as estimated, indicating potential high result bias.
J+/- = Positive and undetected results were qualified estimated, indicating potential low result bias.

Blank Contamination

Blanks help determine how much, if any, contamination was introduced in the laboratory or the field. All results associated with a particular laboratory blank were evaluated to determine whether there was an inherent variability in the data, or if a problem was an isolated occurrence that did not affect the data. Because blank samples may not be prepared using the same sample weight, volume, or dilution, those variables were considered when using the blank criteria.

Laboratory blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. Table 8 summarizes sample results qualified due to laboratory blank artifacts per the validation guidelines. Sample results that were either undetected or greater than the limit of quantitation were not qualified when blank outliers were observed, as recommended in the U.S. EPA data validation guidelines.

For this project, four types of field-derived blanks were collected: formaldehyde indoor air blank, soil field blank, soil equipment rinsate blank, and drinking water trip blank. Benzaldehyde was detected in soil field blank FB101415 at a concentration of 1.4 micrograms per liter; therefore, sample AOPSC801 was qualified as undetected "U" due to potential blank contamination. No other samples were qualified due to field-derived blanks.

Table 8
Laboratory Blank Outliers

Method	Batch	Analyte	Result	LOQ	Units	Samples Flagged Undetected "U"
TO-15	20102001	Ethanol	0.4	0.94	µg/m3	AV32IASMM02, TENTIASMA13, TENTIASMA9, TENTIASMB14, TENTIASMC13D, TENTIASMS1
TO-15	20102001	Methylene chloride	0.26	0.69	µg/m3	AV32IASMBKD, AV32IASMM01, AV32IASMM02, AV32IASMMP, AV32IASMMR, TENTIASMA13, TENTIASMA2, TENTIASMA9, TENTIASMB14, TENTIASMC13, TENTIASMC13D, TENTIASMD1, TENTIASMD10, TENTIASML1
TO-15_SIM	20102001	1,2-Dibromoethane	0.011	0.15	µg/m3	AV32IASMMR
TO-15_SIM	20102001	1,4-Dichlorobenzene	0.027	0.12	µg/m3	AV32IASMM02, AV32IASMMR, TENTIASMC7, TENTIASMD10
TO-15	20102101	Acetone	0.26	1.2	µg/m3	AV34IASMHWY1N
TO-15	20102101	Methylene chloride	0.27	0.69	µg/m3	AV34IASMBKD, AV34IASMHWY1N, ELCIASMBL1, ELCIASMBL2, ELCIASMBL2D, ELCIASMBL3107, ELCIASMBL5
TO-15_SIM	20102101	1,1,2,2-Tetrachloroethane	0.016	0.14	µg/m3	AV34IASMBKD, TENTIASMD11
TO-15_SIM	20102101	1,2-Dibromoethane	0.028	0.15	µg/m3	AV31IASM01, AV34IASMBKD, AV34IASMCR, AV34IASMHWY1N, TENTIASMD11
TO-15_SIM	20102101	1,2-Dichloroethane	0.016	0.081	µg/m3	AV31IASM01, AV34IASMBKD, AV34IASMCR, AV34IASMHWY1N, ELCIASMBL1, ELCIASMBL2, ELCIASMBL2D, ELCIASMBL3107, TENTIASMD11
TO-15_SIM	20102101	1,4-Dichlorobenzene	0.032	0.12	µg/m3	AV31IASM01, AV34IASMBKD, AV34IASMCR, AV34IASMHWY1N, ELCIASMBL2, ELCIASMBL2D, ELCIASMBL5, TENTIASMD11
TO-15	20102201	Acetone	0.42	1.2	µg/m3	AV34IASMHWY1S
TO-15	20102201	Ethanol	0.32	0.94	µg/m3	AV34IASMHWY1S
TO-15	20102201	Methylene chloride	0.3	0.69	µg/m3	AV29IASMHWY1S, AV29IASMHWY1SD, AV34IASMCS, AV34IASMHWY1S, ELCIASMBL3100, ELCIASMBL4MR, TENTIASMB2
TO-15_SIM	20102201	1,1,2,2-Tetrachloroethane	0.013	0.14	µg/m3	ELCIASMBL3100, TENTIASMB2
TO-15_SIM	20102201	1,2-Dibromoethane	0.024	0.15	µg/m3	AV34IASMHWY1S, TENTIASMB2
TO-15_SIM	20102201	1,2-Dichloroethane	0.007	0.081	µg/m3	AV29IASMHWY1N, AV29IASMHWY1S, AV29IASMHWY1SD, AV34IASMB, AV34IASMCS, AV34IASMHWY1S, ELCIASMBL3100, ELCIASMBL4MR, TENTIASMB2
TO-15_SIM	20102201	1,4-Dichlorobenzene	0.036	0.12	µg/m3	AV34IASMB, AV34IASMCS, AV34IASMHWY1S, ELCIASMBL3100, ELCIASMBL4MR, TENTIASMB2
6020A	240-202751	Arsenic	0.0444	1.0	mg/kg	AOPCM801, AOPSB701, AOPSC401, AOPSC801, AOPSD501, AOPSE301, AOPSH401, AOPSL1001, AOPSM1001, AOPSM201, AOPSM301, AOPSM501, AOPSM701, AOPSM801, AOPSM901

Table 8
Laboratory Blank Outliers

Method	Batch	Analyte	Result	LOQ	Units	Samples Flagged Undetected "U"
6020A	240-202768	Antimony	0.0398	0.40	mg/kg	AOPCC901, AOPCF101, AOPSC701, AOPSC901, AOPSD1001, AOPSD301, AOPSD401, AOPSD701, AOPSD801, AOPSD901, AOPSE201, AOPSE501, AOPSF1001, AOPSF101, AOPSF201, AOPSG1001, AOPSG601, AOPSG701, AOPSG801, AOPSG901
6020A	240-202768	Arsenic	0.0384	1.0	mg/kg	AOPCC901, AOPCF101, AOPSC701, AOPSC901, AOPSD1001, AOPSD301, AOPSD401, AOPSD701, AOPSD801, AOPSD901, AOPSE201, AOPSE501, AOPSF1001, AOPSF101, AOPSF201, AOPSG1001, AOPSG601, AOPSG701, AOPSG801, AOPSG901
6020A	240-202768	Beryllium	0.0156	0.20	mg/kg	AOPCC901, AOPCF101, AOPSC701, AOPSC901, AOPSD1001, AOPSD301, AOPSD401, AOPSD701, AOPSD801, AOPSD901, AOPSE201, AOPSE501, AOPSF1001, AOPSF101, AOPSF201, AOPSG1001, AOPSG601, AOPSG701, AOPSG801, AOPSG901
6020A	240-202768	Cadmium	0.0176	0.40	mg/kg	AOPCF101, AOPSC701, AOPSD1001, AOPSD301, AOPSD401, AOPSD701, AOPSD801, AOPSD901, AOPSE501, AOPSF101, AOPSF201, AOPSG601, AOPSG701, AOPSG801, AOPSG901
6020A	240-202768	Selenium	0.0452	1.0	mg/kg	AOPCC901, AOPCF101, AOPSC701, AOPSC901, AOPSD1001, AOPSD301, AOPSD401, AOPSD701, AOPSD801, AOPSD901, AOPSE201, AOPSE501, AOPSF1001, AOPSF101, AOPSF201, AOPSG1001, AOPSG601, AOPSG701, AOPSG801, AOPSG901
6020A	240-202768	Silver	0.00180	0.20	mg/kg	AOPCC901, AOPCF101, AOPSC701, AOPSC901, AOPSD1001, AOPSD301, AOPSD401, AOPSD701, AOPSD801, AOPSD901, AOPSE201, AOPSE501, AOPSF1001, AOPSF101, AOPSF201, AOPSG1001, AOPSG601, AOPSG701, AOPSG801, AOPSG901
6020A	240-202931	Cadmium	0.00400	0.40	mg/kg	AOPSA601, AOPSB501, AOPSE401, AOPSE601, AOPSF501, AOPSF701, AOPSH301, AOPSJ201, AOPSK101, AOPSK901, AOPSL201, AOPSL801, AOPSL901, AOPSM401, AOPSN301, AOPSN401
8270D	680-406651	bis(2-Ethylhexyl) phthalate	0.0364	0.33	mg/kg	AOPCC901, AOPCK1001, AOPCM801, AOPSA601, AOPSB501, AOPSB701, AOPSC901, AOPSD901, AOPSE401, AOPSG801, AOPSJ1001, AOPSK1001, AOPSK901, AOPSL801, AOPSL901, AOPSM1001, AOPSM601, AOPSM701, AOPSM801, AOPSM901

Notes:
LOQ = Limit of quantitation
U = Results were qualified as undetected due to associated laboratory blank detections.
SIM = Selective ion monitoring
µg/m3 = Micrograms per cubic meter
mg/kg = Milligrams per kilogram

Matrix Spike/Matrix Spike Duplicates

MS/MSDs are generated to provide information about the effect of each sample matrix on the sample preparation and the measurement methodology. MS/MSD %Rs assess the effect of the sample matrix on the accuracy of the analytical results. %Rs above the laboratory control limit could indicate a potential high result bias while %Rs below QC limits could indicate a potential low result bias. The RPDs between the MS and MSD results are evaluated to assess sample precision.

Tables 9 and 10 summarize MS/MSD %R and RPD outliers, respectively, where samples were qualified during validation. The qualifications performed were limited to the native (unspiked) sample and not the entire matrix batch. MS/MSD outliers that did not require sample qualification for the following reasons are not shown in these tables: positive results greater than four times the spike amount, undetected results with high bias/RPDs, and when the sample was diluted by a factor of five or more causing the spiking levels to be less than the parent sample limit of quantitation.

Table 9
Matrix Spike/Matrix Spike Duplicate Percent Recovery Outliers

Method	Spiked Sample	Analyte	Sample Result	MS %R	MSD %R	Limits	Flags
552.2	AV29DW1BR	Monochloroacetic Acid	<0.98	50*	47*	70-130	UJ
552.2	CZDW23A	Monochloroacetic Acid	<0.98	45*	63*	70-130	UJ
8081B	AOPSH301	Chlorobenzilate	<0.20	50*	53*	57-142	UJ
8270D	AOPSD901	Hexachlorocyclopentadiene	<0.48	24*	23*	28-130	UJ
8270D	AOPSE201	2,4-Dinitrophenol	<8.2	0*	0*	10-130	UJ
8270D	AOPSE201	2-Methyl-4,6-Dinitrophenol	<2.1	23*	25*	29-132	UJ
8270D	AOPSE201	3,3'-Dichlorobenzidine	<0.42	16*	37	22-121	UJ
8270D	AOPSE201	Biphenyl	<10	0*	0*	40-117	UJ
8270D	AOPSE201	Hexachlorocyclopentadiene	<0.42	0*	0*	28-130	UJ
8270D	AOPSM301	2,4-Dinitrophenol	<6.8	0*	13	10-130	UJ
8270D	AOPSM301	2-Methyl-4,6-Dinitrophenol	<1.7	20*	32	29-132	UJ
8270D	AOPSM301	Biphenyl	<8.9	0*	69	40-117	UJ
8270D	AOPSM301	Caprolactam	<0.89	40*	55	46-117	UJ
8270D	AOPSM301	Hexachlorocyclopentadiene	<0.35	17*	25*	28-130	UJ

Notes:
MS = Matrix spike
MSD = Matrix spike duplicate
%R = Percent recovery
* = Value is outside control limit.
UJ = Undetected results were qualified as estimated and may be biased low.

Table 10
Matrix Spike/Matrix Spike Duplicate Relative Percent Difference Outliers

Method	Spiked Sample	Analyte	MS Result	MSD Result	Results Units	RPD	RPD Limits	Flags
552.2	CZDW23A	Monochloroacetic Acid	5.64	7.82	µg/L	32	<30	J
6020A	AOPSD401	Antimony	4.02	2.77	mg/kg	37	<20	J
6020A	AOPSD401	Barium	278	194	mg/kg	36	<20	J
8151A	AOPSD701	2,4,5-TP (Silvex)	ND	0.00944	mg/kg	200	<20	J
8141A	AOPSD701	Atrazine	ND	152	µg/kg	200	<20	J
8141A	AOPSD701	Azinphos ethyl	ND	118	µg/kg	200	<20	J
8141A	AOPSD701	Coumaphos	82.4	123	µg/kg	40	<20	J
8151A	AOPSD701	Dalapon	0.0211	0.0356	mg/kg	51	<20	J
8141A	AOPSD701	Dimethoate	ND	118	µg/kg	200	<20	J
8141A	AOPSD701	Famphur	68.5	121	µg/kg	55	<20	J
8141A	AOPSD701	Fensulfothion	ND	131	µg/kg	200	<20	J
6020A	AOPSD901	Antimony	4.02	2.77	mg/kg	37	<20	J
6020A	AOPSD901	Barium	278	194	mg/kg	36	<20	J
8141A	AOPSD901	Methyl parathion	ND	75.3	µg/kg	200	<20	J
8141A	AOPSD901	Phorate	ND	67.3	µg/kg	200	<20	J
8270D	AOPSE201	2,4,5-Trichlorophenol	2.53	3.18	mg/kg	23	<20	J
8270D	AOPSE201	2,4-Dinitrotoluene	2.06	2.59	mg/kg	23	<20	J
8270D	AOPSE201	2-Methylphenol (o-Cresol)	2.1	2.64	mg/kg	22	<20	J
8270D	AOPSE201	3,3'-Dichlorobenzidine	0.668	1.54	mg/kg	79	<20	J
8270D	AOPSE201	3-Methylphenol/4-Methylphenol	2.04	2.69	mg/kg	27	<20	J
8270D	AOPSE201	3-Nitroaniline	1.51	2.53	mg/kg	51	<20	J
8270D	AOPSE201	4-Chloroaniline	0.816	1.93	mg/kg	81	<20	J
8270D	AOPSE201	Pentachlorophenol	3.65	4.75	mg/kg	26	<20	J
8270D	AOPSE201	Phenol	1.92	2.36	mg/kg	21	<20	J
8270D	AOPSG601	Benzo(b)fluoranthene	1.8	1.31	mg/kg	32	<20	J
8270D	AOPSG601	Benzo(g,h,i)perylene	0.79	0.618	mg/kg	24	<20	J
8270D	AOPSG601	Dibenz(a,h)anthracene	0.442	0.318	mg/kg	33	<20	J
8270D	AOPSG601	Fluorene	0.278	0.222	mg/kg	22	<20	J
8270D	AOPSG601	Indeno(1,2,3-cd)pyrene	0.81	0.584	mg/kg	32	<20	J
8270D	AOPSH301	2,3,4,6-Tetrachlorophenol	10.5	13.6	mg/kg	26	<20	J
8270D	AOPSH301	2,4-Dinitrophenol	5.7	7.76	mg/kg	31	<20	J
8270D	AOPSH301	2-Chloronaphthalene	10.2	13.1	mg/kg	25	<20	J
8270D	AOPSH301	2-Methyl-4,6-Dinitrophenol	14.1	19.8	mg/kg	33	<20	J
8270D	AOPSH301	3,3'-Dichlorobenzidine	9.33	7.55	mg/kg	21	<20	J
8270D	AOPSH301	3-Methylphenol/4-Methylphenol	9.82	12.3	mg/kg	22	<20	J
8270D	AOPSH301	4-Bromophenyl-phenylether	10.8	15	mg/kg	32	<20	J
8270D	AOPSH301	4-Chloro-3-methylphenol	10.6	14	mg/kg	28	<20	J
8270D	AOPSH301	4-Chloroaniline	7.44	5.69	mg/kg	27	<20	J
8270D	AOPSH301	4-Nitrophenol	20.1	26.8	mg/kg	28	<20	J
8270D	AOPSH301	Biphenyl	10.3	13.3	mg/kg	26	<20	J
8270D	AOPSH301	bis(2-Chloroethoxy)methane	9.97	12.6	mg/kg	23	<20	J
8270D	AOPSH301	bis(2-Chloroethyl)ether	9.44	11.8	mg/kg	22	<20	J
8270D	AOPSH301	bis(2-Ethylhexyl)phthalate	12.2	15.2	mg/kg	22	<20	J
8270D	AOPSH301	Caprolactam	8.81	11.6	mg/kg	27	<20	J
8270D	AOPSH301	Fluoranthene	1.46	1.17	mg/kg	22	<20	J
8141A	AOPSH301	Propazine	ND	104	µg/kg	200	<20	J
8015C_D	AOPSH301	TPH-C10-28	88.2	ND	mg/kg	200	<20	J

Table 10
Matrix Spike/Matrix Spike Duplicate Relative Percent Difference Outliers

Method	Spiked Sample	Analyte	MS Result	MSD Result	Results Units	RPD	RPD Limits	Flags
8270D	AOPSK101	Acenaphthene	1.17	1.9	mg/kg	48	<20	J
8270D	AOPSK101	Anthracene	1.26	2.14	mg/kg	52	<20	J
8270D	AOPSK101	Benzo(a)anthracene	2.81	5.6	mg/kg	66	<20	J
8270D	AOPSK101	Benzo(a)pyrene	2.65	5.17	mg/kg	64	<20	J
8270D	AOPSK101	Benzo(b)fluoranthene	3.02	6.49	mg/kg	73	<20	J
8270D	AOPSK101	Benzo(g,h,i)perylene	2.28	3.79	mg/kg	50	<20	J
8270D	AOPSK101	Benzo(k)fluoranthene	1.97	2.91	mg/kg	38	<20	J
8270D	AOPSK101	Chrysene	2.83	5.54	mg/kg	65	<20	J
8270D	AOPSK101	Dibenz(a,h)anthracene	1.42	1.8	mg/kg	24	<20	J
8270D	AOPSK101	Fluoranthene	4.33	11.6	mg/kg	92	<20	J
8270D	AOPSK101	Fluorene	1.2	1.48	mg/kg	21	<20	J
8270D	AOPSK101	Indeno(1,2,3-cd)pyrene	2.39	3.91	mg/kg	48	<20	J
8270D	AOPSK101	Phenanthrene	2.96	9.59	mg/kg	106	<20	J
8270D	AOPSK101	Pyrene	3.8	8.77	mg/kg	79	<20	J
8270D	AOPSM301	1,2,4,5-Tetrachlorobenzene	8.76	12.5	mg/kg	35	<20	J
8270D	AOPSM301	1,4-Dioxane	4.24	5.95	mg/kg	33	<20	J
8270D	AOPSM301	2,2'-Oxybis(1-chloropropane)	8.82	11.2	mg/kg	24	<20	J
8270D	AOPSM301	2,3,4,6-Tetrachlorophenol	8.87	13	mg/kg	38	<20	J
8151A	AOPSM301	2,4,5-T	ND	0.0138	mg/kg	200	<20	J
8270D	AOPSM301	2,4,5-Trichlorophenol	9.02	12.6	mg/kg	33	<20	J
8270D	AOPSM301	2,4,6-Trichlorophenol	9.26	13.1	mg/kg	34	<20	J
8151A	AOPSM301	2,4-DB	0.0298	0.0456	mg/kg	42	<20	J
8270D	AOPSM301	2,4-Dichlorophenol	9.35	13.2	mg/kg	34	<20	J
8270D	AOPSM301	2,4-Dimethylphenol	8.9	12.4	mg/kg	33	<20	J
8270D	AOPSM301	2,4-Dinitrophenol	ND	4.45	mg/kg	200	<20	J
8270D	AOPSM301	2,4-Dinitrotoluene	8.97	13.3	mg/kg	39	<20	J
8270D	AOPSM301	2,6-Dinitrotoluene	8.93	13.5	mg/kg	41	<20	J
8270D	AOPSM301	2-Chloronaphthalene	8.72	12.4	mg/kg	35	<20	J
8270D	AOPSM301	2-Chlorophenol	9.12	11.5	mg/kg	23	<20	J
8270D	AOPSM301	2-Methyl-4,6-Dinitrophenol	6.99	11.1	mg/kg	46	<20	J
8270D	AOPSM301	2-Methylphenol (o-Cresol)	9.69	12.5	mg/kg	25	<20	J
8270D	AOPSM301	2-Nitroaniline	9.51	13.9	mg/kg	37	<20	J
8270D	AOPSM301	2-Nitrophenol	8.72	12.1	mg/kg	33	<20	J
8270D	AOPSM301	3-Methylphenol/4-Methylphenol	9.78	12.4	mg/kg	23	<20	J
8270D	AOPSM301	4-Bromophenyl-phenylether	9.18	12.7	mg/kg	32	<20	J
8270D	AOPSM301	4-Chloro-3-methylphenol	10	13.6	mg/kg	31	<20	J
8270D	AOPSM301	4-Chloroaniline	7.81	5.93	mg/kg	27	<20	J
8270D	AOPSM301	4-Chlorophenylphenyl ether	8.96	13	mg/kg	36	<20	J
8270D	AOPSM301	4-Nitroaniline	8.54	11.8	mg/kg	32	<20	J
8270D	AOPSM301	4-Nitrophenol	19.8	29.5	mg/kg	39	<20	J
8270D	AOPSM301	Acenaphthene	1.17	1.9	mg/kg	48	<20	J
8270D	AOPSM301	Acetophenone	8.44	11.7	mg/kg	32	<20	J
8270D	AOPSM301	Anthracene	1.26	2.14	mg/kg	52	<20	J
8270D	AOPSM301	Atrazine	8.83	11.7	mg/kg	28	<20	J
8270D	AOPSM301	Benzaldehyde	4.34	3.11	mg/kg	33	<20	J
8270D	AOPSM301	Benzo(a)anthracene	2.81	5.6	mg/kg	66	<20	J
8270D	AOPSM301	Benzo(a)pyrene	2.65	5.17	mg/kg	64	<20	J

Table 10
Matrix Spike/Matrix Spike Duplicate Relative Percent Difference Outliers

Method	Spiked Sample	Analyte	MS Result	MSD Result	Results Units	RPD	RPD Limits	Flags
8270D	AOPSM301	Benzo(b)fluoranthene	3.02	6.49	mg/kg	73	<20	J
8270D	AOPSM301	Benzo(g,h,i)perylene	2.28	3.79	mg/kg	50	<20	J
8270D	AOPSM301	Benzo(k)fluoranthene	1.97	2.91	mg/kg	38	<20	J
8270D	AOPSM301	Biphenyl	ND	12.2	mg/kg	200	<20	J
8270D	AOPSM301	bis(2-Chloroethoxy)methane	8.96	12.2	mg/kg	30	<20	J
8270D	AOPSM301	bis(2-Chloroisopropyl)ether	9.94	9.35	mg/kg	28	<20	J
8270D	AOPSM301	bis(2-Ethylhexyl)phthalate	9.72	13.1	mg/kg	29	<20	J
8270D	AOPSM301	Butylbenzylphthalate	9.7	13.4	mg/kg	32	<20	J
8270D	AOPSM301	Caprolactam	7.1	9.38	mg/kg	26	<20	J
8270D	AOPSM301	Carbazole	10.4	15	mg/kg	37	<20	J
8270D	AOPSM301	Chrysene	2.83	5.54	mg/kg	65	<20	J
8270D	AOPSM301	Dibenz(a,h)anthracene	1.42	1.8	mg/kg	24	<20	J
8270D	AOPSM301	Dibenzofuran	9.32	13.6	mg/kg	37	<20	J
8270D	AOPSM301	Diethylphthalate	9.1	13.6	mg/kg	40	<20	J
8270D	AOPSM301	Dimethylphthalate	9.16	13	mg/kg	35	<20	J
8270D	AOPSM301	Di-n-butylphthalate	9.31	13.8	mg/kg	39	<20	J
8081B	AOPSM301	Endrin	0.0653	0.122	mg/kg	61	<20	J
8081B	AOPSM301	Endrin aldehyde	0.0288	0.0438	mg/kg	41	<20	J
8270D	AOPSM301	Fluoranthene	4.33	11.6	mg/kg	92	<20	J
8270D	AOPSM301	Fluorene	1.2	1.48	mg/kg	21	<20	J
8270D	AOPSM301	Hexachlorobenzene	9.18	12.4	mg/kg	30	<20	J
8270D	AOPSM301	Hexachlorobutadiene	8.31	10.5	mg/kg	21	<20	J
8270D	AOPSM301	Hexachlorocyclopentadiene	3	4.37	mg/kg	37	<20	J
8270D	AOPSM301	Hexachloroethane	7.97	10.1	mg/kg	23	<20	J
8270D	AOPSM301	Indeno(1,2,3-cd)pyrene	2.39	3.91	mg/kg	48	<20	J
8270D	AOPSM301	Isophorone	8.56	11.9	mg/kg	33	<20	J
8270D	AOPSM301	Nitrobenzene	8.81	12.4	mg/kg	34	<20	J
8270D	AOPSM301	N-Nitroso-di-n-propylamine	9.25	11.8	mg/kg	25	<20	J
8270D	AOPSM301	N-Nitrosodiphenylamine	17.9	24.5	mg/kg	31	<20	J
8270D	AOPSM301	Phenanthrene	2.96	9.59	mg/kg	106	<20	J
8270D	AOPSM301	Phenol	8.85	11.3	mg/kg	24	<20	J
8270D	AOPSM301	Pyrene	3.8	8.77	mg/kg	79	<20	J

Notes:
MS = Matrix spike
MSD = Matrix spike duplicate
RPD = Relative percent difference
µg/L = Micrograms per liter
mg/kg = Milligrams per kilogram
µg/kg = Micrograms per kilogram
ND = Undetected; according to the analytical method, RPD is calculated assuming the value is zero.
J = Positive and undetected results were qualified estimated due to potential poor precision.

Metals Post-Digestion Spikes

When a metals matrix spike %R falls outside of the control limits and the sample result is less than fifty times the limit of quantitation prior to dilution, a post-digestion spike is performed on those analytes that do not meet the specified criteria. Magnesium had a post-digestion spike %R of 73% in sample AOPSD901, which was below the 80-120% QC limit. Therefore, magnesium was qualified as estimated "J" in AOPSD901 and the result may be biased low.

Second Column Confirmations

Samples reported via gas chromatography are analyzed using two dissimilar columns with retention time windows as the qualitative indicator. If a peak falls within the retention time windows on both columns, it is reported as a positive detection. Large differences in the numerical results from the two columns may be indicative of positive interferences with the higher of the results, which could result from poor separation of target analytes, or the presence of a non-target compound. This is particularly true at lower concentrations, where uncertainty may increase due to instrument noise.

For detected analytes, the RPDs between the two columns were calculated and those greater than 40 were qualified as estimated "J" during data review. Table 11 summarizes two-column RPD outliers that were qualified during validation. Analytes with high RPDs may be considered quantitatively uncertain due to potential interference. However, they were J-flagged during validation to represent worst-case compound identifications and concentrations.

Table 11
Two-Column Relative Percent Difference Outliers

Method	Sample	Parameter	Column 1 Result	Column 2 Result	Result Units	RPD	Flags
552.2	AV32DWMR	Monobromoacetic acid	7.1	1.4	µg/L	132.2	J
552.2	CZDW47A	Monobromoacetic acid	19	3.1	µg/L	142.9	J
552.2	CZDW44A	Monobromoacetic acid	20	4.3	µg/L	128	J
552.2	CZDW28B	Monobromoacetic acid	19	2.6	µg/L	151.3	J
552.2	CZDW35A	Monobromoacetic acid	4.8	2	µg/L	83.8	J
552.2	CZDW23A	Monobromoacetic acid	15	1.8	µg/L	156.1	J
552.2	CZDW16A	Monobromoacetic acid	3.7	1.9	µg/L	61.8	J
552.2	CZDW5A	Monobromoacetic acid	9.5	2.5	µg/L	116.3	J
552.2	CZDW10B	Monobromoacetic acid	11	2.7	µg/L	117.7	J
552.2	AV29DW2BR	Monobromoacetic acid	12	1.5	µg/L	150.2	J
552.2	AV29DW1BR	Monobromoacetic acid	14	1.7	µg/L	157.5	J
8081B	AOPCK1001	Dieldrin	0.078	0.18	mg/kg	79.6	J
8081B	AOPCL301	Endrin ketone	0.00081	0.0014	mg/kg	51.4	J
8081B	AOPCM801	alpha-Chlordane	0.045	0.019	mg/kg	82.2	J
8081B	AOPSD901	4,4'-DDT	0.081	0.052	mg/kg	43.9	J
8081B	AOPSK1001	Dieldrin	0.074	0.2	mg/kg	91.1	J

Table 11
Two-Column Relative Percent Difference Outliers

Method	Sample	Parameter	Column 1 Result	Column 2 Result	Result Units	RPD	Flags
8081B	AOPSL401	Dieldrin	0.0007	0.0012	mg/kg	54.1	J
8081B	AOPSL501	alpha-Chlordane	0.010	0.0046	mg/kg	74.7	J
8081B	AOPSL501	Dieldrin	0.0013	0.0025	mg/kg	65.2	J
8081B	AOPSL501	Endrin ketone	0.0027	0.0057	mg/kg	72.7	J
8081B	AOPSL701	Endosulfan II	0.00065	0.0020	mg/kg	103.2	J
8081B	AOPSM201	4,4'-DDD	0.015	0.035	mg/kg	78.1	J
8081B	AOPSM201	alpha-Chlordane	0.11	0.049	mg/kg	75.6	J
8081B	AOPSM201	Dieldrin	0.052	0.13	mg/kg	82.5	J
8081B	AOPSM201	Endrin ketone	0.017	0.032	mg/kg	59.9	J
8081B	AOPSM801	alpha-Chlordane	0.046	0.021	mg/kg	76.8	J
8081B	AOPSM901	alpha-Chlordane	0.16	0.046	mg/kg	109.3	J
8081B	AOPSM901	Chlordane (technical)	0.32	0.17	mg/kg	59.7	J
8082A	AV32PC01	Aroclor 1260	0.88	0.56	mg/kg	44.8	J
8151A	AOPSL1001	Pentachlorophenol	0.001	0.0015	mg/kg	37.7	J
8151A	AOPSL301	Pentachlorophenol	0.00080	0.0013	mg/kg	45.8	J
8151A	AOPSL401	Pentachlorophenol	0.00075	0.0015	mg/kg	66.2	J
8151A	AOPSM1001	Pentachlorophenol	0.00049	0.00081	mg/kg	50.0	J

Notes:
RPD = Relative percent difference
µg/L = Micrograms per liter
mg/kg = Milligrams per kilogram
J = Positive results were qualified estimated due to potential poor precision.

Field Duplicates

Six soil and three indoor air field duplicate pairs were collected with this data set to assess precision. RPDs between the samples and duplicates were calculated; results above five times the limit of quantitation with RPDs above 50 (soil) and 25 (air) were qualified as estimated due to potential poor precision. Table 12 shows results qualified as estimated "J" during data review, indicating potential poor precision.

Table 12
Field Duplicate Outliers

Method	Sample/Duplicate	Analyte	Sample Result	Duplicate Result	Result Units	RPD	Flags
TO-15	AV29IASMHWY1S/AV29IASMHWY1SD	Acetone	17	27	µg/m3	45.5	J
TO-15	ELCIASMBL2/ELCIASMBL2D	Acetone	8	10	µg/m3	22.2	J
TO-15	TENTIASMC13/TENTIASMC13D	1,4-Dioxane	0.59	230	µg/m3	199	J
TO-15_SIM	TENTIASMC13/TENTIASMC13D	Toluene	0.6	1	µg/m3	50	J
6020A	AOPSK1001/AOPCK1001	Barium	87	35	mg/kg	85.2	J
7471B	AOPSM801/AOPCM801	Mercury	0.43	0.8	mg/kg	60.2	J
8270D	AOPSL301/AOPCL301	Benzo(a)anthracene	0.53	0.24	mg/kg	75.3	J
8270D	AOPSL301/AOPCL301	Benzo(a)pyrene	0.46	0.24	mg/kg	62.9	J

Table 12
Field Duplicate Outliers

Method	Sample/Duplicate	Analyte	Sample Result	Duplicate Result	Result Units	RPD	Flags
8270D	AOPSL301/AOPCL301	Benzo(b)fluoranthene	0.61	0.35	mg/kg	54.2	J
8270D	AOPSL301/AOPCL301	Benzo(g,h,i)perylene	0.24	0.11	mg/kg	74.3	J
8270D	AOPSL301/AOPCL301	Chrysene	0.56	0.28	mg/kg	66.7	J
8270D	AOPSL301/AOPCL301	Fluoranthene	1.1	0.57	mg/kg	63.5	J
8270D	AOPSL301/AOPCL301	Indeno(1,2,3-cd)pyrene	0.29	0.099	mg/kg	98.2	J
8270D	AOPSL301/AOPCL301	Phenanthrene	0.69	0.29	mg/kg	81.6	J
8270D	AOPSL301/AOPCL301	Pyrene	0.83	0.39	mg/kg	72.1	J

Notes:
RPD = Relative percent difference (Limit <50 [soil], <25 [air])
µg/m3 = Micrograms per cubic meter
mg/kg = Milligrams per kilogram
J = The sample and duplicate results were qualified as estimated due to potential poor precision.

Sample Re-Analysis and Dilutions

Many samples were re-extracted and/or re-analyzed multiple times because of elevated sample concentrations or because QC outliers required anomaly confirmation. During data review, the preferable analyses were reported for interpretation based on reviewer judgment. Generally when multiple results were reported by the laboratory, the data reviewer chose the analyses that represented the best data quality (fewer qualifications) at the lowest quantitation limits.

The majority of the PAH soil samples were diluted prior to analysis because the extracts were dark and viscous and/or could not be concentrated to normal volumes during the extraction process; results are usable but the detection limits are elevated. Table 13 provides a summary of methods requiring dilutions. Although some samples are reported at an elevated dilution factors and detection limits, the results are usable for interpretation.

Table 13
Methods and Dilution Factors

Method	Matrix	Dilution Factor Range	Reason for Dilution
TO-15 and TO-15_SIM	Air	1.43 — 3.06	SUMMA canister vapor pressure adjustments
6020A and 7471B	Soil	5 to 100	Elevated metals concentrations
8015C_D	Soil	5 to 10	Elevated diesel range organics concentrations
8081B	Soil	5 to 250	Elevated pesticide concentrations
8141	Soil	10 to 100	Matrix interference and co-eluting compounds
8151A	Soil	5 to 10	Elevated pentachlorophenol concentrations
8270D (PAHs via SIM only)	Soil	5 to 20	Dark sample extracts and elevated concentrations

Notes:
SIM = Selective ion monitoring
PAHs = Polynuclear aromatic hydrocarbons

LABORATORY DATA USABILITY SUMMARY

Precision, Accuracy, and Representativeness Data Qualifications

Assessing precision included an evaluation of laboratory duplicate RPDs, MS/MSD RPDs, metals serial dilution %D, two-column %D, and field duplicate RPDs. Accuracy was assessed by examining results reported below the limit of quantitation, calibration results, surrogate spike %Rs, laboratory control sample %Rs, MS/MSD %Rs, metals post-digestion spike %Rs, and internal standard areas. Representativeness was assessed by holding times, and blank results.

A total of 14,439 measurements were reported for interpretation, including field-derived blanks. As shown on Table 14, 3,504 results were qualified by the laboratory and/or during data review and some parameters were flagged for multiple reasons. The majority of the qualified parameters were due to accuracy indicators, predominately values reported below the limit of quantitation.

Table 14
Qualified Results Summary

Data Quality Indicator	Validation Reason Code [1]	Flag Applied	Number of Results Qualified
Precision			
MS/MSD duplicate RPDs	ld	J	126
Two-column percent difference	r	J	33
Field duplicate RPDs	fd	J	32
Accuracy			
Results reported below the limit of quantitation		J	1,493
Calibration results	c	J	948
Surrogate spike %Rs	s	J	388
Laboratory control sample %Rs	l	J	170
MS/MSD %Rs	m	J	14
Metals post-digestion spike %Rs	pe	J	1
Internal standard areas	i	J	4
Representativeness			
Holding times	h	J	41
Blank results (laboratory and field-derived)	bl, bf	U	254
		Total Number of Qualified Results	3,504

Notes:

[1] Code applied by validator to document rationale; codes are unique to each data quality indicator and are documented for each sample in Attachment B. Note that indicators which were found within quality control limits and thus did not require codes/flagging are not shown.

MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference
%R = Percent recovery
J = Estimated value below the limit of quantitation or due to one or more quality control outlier
U = Qualified undetected due to blank outlier

Source of Qualifications

Precision indicators accounted for 191 results to be qualified as estimated "J." Although these analytes were outside the data review criteria, they were not rejectable and results are usable as estimated concentrations per U.S. EPA guidelines.

A total of 1,493 measurements were flagged as estimated "J" by the laboratory because the values were below the limit of quantitation but above the method detection limit. These values are estimated because the results were reported below the linear range of the instrument as determined by the lowest calibration standard. Values in this range may be higher or lower than reported concentrations because more variability exists below the linear range and are, therefore, estimated.

A total of 1,525 values were qualified as estimated "J" due to accuracy indicators, other than results below the limit of quantitation. Although these analytes were outside the data review criteria, they were not rejectable and results are usable as estimated concentrations per U.S. EPA guidelines.

Representativeness qualifications accounted for 295 measurements. While these analytes were outside the data review criteria, they were not rejectable and results are usable as estimated concentrations per U.S. EPA guidelines.

In summary, although 3,504 of the 14,439 measurements were flagged as estimated during data review and/or by the laboratory, they are usable for interpretation according to U.S. EPA guidelines.

Laboratory Data Completeness Review

All samples were received by the laboratories under proper chain-of-custody and appropriate preservation. The laboratories noted some disagreements between the chain-of-custody forms and the sample labels, but the discrepancies were resolved between the samplers and laboratories and the anomalies do not impact data quality.

Prior to performing data verification, the analytical data packages and electronic data were examined to assess whether they were complete, consistent, and compliant with the requirements necessary to perform data validation. Analytical data found to be missing or inaccurate were requested to be re-submitted during data review.

Completeness is a measure of the amount of valid (non-rejected) data obtained from a measurement system compared to the amount expected to be obtained under correct normal conditions. No results were rejected; therefore, analytical completeness was calculated to be 100 percent.

Comparability

Comparability is the degree to which one data set can be compared to another. The objective of this project was to produce a high level of comparability between data sets. Heterogeneous investigative samples (particularly soil) make it difficult to obtain consistently high

comparability values. However, the use of standard methods for sampling and analysis, as documented in the *Final Sampling/Work Plan* (Resolution Consultants 2015), reporting data in standard units, and using standard and comprehensive reporting formats optimized the potential for high levels of data comparability.

Sensitivity

The soil sample matrix posed challenges during organic sample preparation. Natural organic-rich matter was present in many samples that caused the extracts to become viscous and dark during sample preparation. When this was observed, the laboratory prepared samples at reduced volumes to account for the sample matrix exhibited in the initial extracts, resulting in sample dilution.

Often environmental samples will contain constituents that cause or contribute to analytical interferences. Those interferences can preclude achieving the target screening level limits. Good faith efforts appeared to have been undertaken to analyze the samples at the lowest achievable levels for the applied method given the matrix interference observed by the laboratory.

Therefore, based on the difficult matrix requiring sample dilutions, some screening levels originally proposed in the *Final Sampling/Work Plan* (Resolution Consultants 2015) were not achieved despite the laboratory's best efforts. When samples were analyzed and reported twice, the data reviewer chose the best results that provided the lowest quantitation limits.

Overall Assessment

Environmental investigation data for sample collected in October 2015 at Naval Station Guantanamo Bay, Cuba were reviewed independently from the laboratory to assess data quality. No results were rejected during data review and results that were not qualified during review are considered usable by the project. Results qualified as estimated may be biased high or low, but the data are usable for their intended purpose, according to U.S. EPA and Department of Defense guidelines. Table 15 shows final data review qualifiers used to describe results and how they should be interpreted by the end data user. Attachment B provides a summary of qualified results during data review.

Table 15
Result Flagging Codes

Data Qualifier	Qualifier Definition	Interpret Result As a Detection?	Result Usable?	Potential Result Bias
no qualifier	Acceptable	Yes	Yes	None expected
U	Undetected	No	Yes	None expected
J	Estimated	Yes	Yes	High or Low
UJ	Undetected and Estimated	No	Yes	High or Low

Attachment A
Sample and Analysis Summary

Table A-1
Air Sample and Analysis Summary

SDG	Laboratory	Laboratory Identification	Sample Identification	Sample Date	Matrix	TO-11	TO-15/ TO-15 SIM[1]
1510301	Eurofins Air Toxics	1510301R1-01A	AV32IHFMMP	10/10/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-02A	AV32IHFMM01	10/10/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-03A	AV32IHFMM02	10/10/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-04A	AV32IHFMBLK	10/10/2015	Air, Indoor Blank	X	
1510301	Eurofins Air Toxics	1510301R1-05A	CZIAFM47A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-06A	CZIAFM48A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-07A	CZIAFM43A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-08A	CZIAFM44A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-09A	CZIAFM28A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-10A	CZIAFM27A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-11A	CZIAFM35A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-12A	CZIAFM36A	10/11/2015	Air, Indoor	X	
1510301	Eurofins Air Toxics	1510301R1-13A	ELCIAFMBLK	10/13/2015	Air, Indoor Blank	X	
1510302	Eurofins Air Toxics	1510302R1-01A	CZIAFM22A	10/11/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-02A	CZIAFM23A	10/11/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-03A	CZIAFM16A	10/12/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-04A	CZIAFM17A	10/12/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-05A	CZIAFM5A	10/12/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-06A	CZIAFM4A	10/12/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-07A	CZIAFM10B	10/12/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-08A	CZIAFM11B	10/12/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-09A	CZIAFMBLK	10/12/2015	Air, Indoor Blank	X	
1510302	Eurofins Air Toxics	1510302R1-10A	ELCIAFMBL29	10/13/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-11A	ELCIAFMBL11	10/13/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-12A	ELCIAFMBL5	10/13/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-13A	ELCIAFMBL4	10/13/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-14A	ELCIAFMBL3107	10/13/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-15A	ELCIAFMBL8	10/13/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-16A	AV29IAFMST	10/14/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-17A	ELCIAFMBL30	10/14/2015	Air, Indoor	X	
1510302	Eurofins Air Toxics	1510302R1-18A	ELCIAFMBL2	10/14/2015	Air, Indoor	X	
1510310	Eurofins Air Toxics	1510310-01AB	AV32IASMMR	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-02AB	AV32IASMMP	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-03AB	AV32IASMM01	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-04AB	AV32IASMM02	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-05AB	AV32IASMBKD	10/11/2015	Air, Outdoor		X

Table A-1 Air Sample and Analysis Summary							
SDG	**Laboratory**	**Laboratory Identification**	**Sample Identification**	**Sample Date**	**Matrix**	**TO-11**	**TO-15/ TO-15 SIM[1]**
1510310	Eurofins Air Toxics	1510310-06AB	TENTIASMC1	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-07AB	TENTIASML1	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-08AB	TENTIASMS1	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-09AB	TENTIASMA2	10/11/2015	Air, Indoor		X
1510310	Eurofins Air Toxics	1510310-10AB	TENTIASMB2	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-01AB	TENTIASMD1	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-02AB	TENTIASMC7	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-03AB	TENTIASMA9	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-04AB	TENTIASMS3	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-05AB	TENTIASMD10	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-06AB	TENTIASMC13	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-07AB	TENTIASMC13D	10/11/2015	Duplicate of TENTIASMC13		X
1510311	Eurofins Air Toxics	1510311-08AB	TENTIASMD11	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-09AB	TENTIASMB14	10/11/2015	Air, Indoor		X
1510311	Eurofins Air Toxics	1510311-10AB	TENTIASMA13	10/11/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-01AB	AV31IASM01	10/14/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-02AB	AV34IASMCR	10/14/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-03AB	AV34IASMHWY1N	10/14/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-04AB	AV34IASMHWY1S	10/14/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-05AB	AV34IASMBKD	10/14/2015	Air, Outdoor		X
1510312	Eurofins Air Toxics	1510312-06AB	ELCIASMBL5	10/14/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-07AB	ELCIASMBL1	10/14/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-08AB	ELCIASMBL2	10/14/2015	Air, Indoor		X
1510312	Eurofins Air Toxics	1510312-09AB	ELCIASMBL2D	10/14/2015	Duplicate of ELCIASMBL2		X
1510312	Eurofins Air Toxics	1510312-10AB	ELCIASMBL3107	10/14/2015	Air, Indoor		X
1510313	Eurofins Air Toxics	1510313-01AB	ELCIASMBL3100	10/14/2015	Air, Indoor		X
1510313	Eurofins Air Toxics	1510313-02AB	ELCIASMBL4MR	10/14/2015	Air, Indoor		X
1510313	Eurofins Air Toxics	1510313-03AB	AV34IASMB	10/14/2015	Air, Indoor		X
1510313	Eurofins Air Toxics	1510313-04AB	AV34IASMCS	10/14/2015	Air, Indoor		X
1510313	Eurofins Air Toxics	1510313-05AB	AV29IASMHWY1SD	10/14/2015	Duplicate of AV29IASMHWY1S		X
1510313	Eurofins Air Toxics	1510313-06AB	AV29IASMHWY1N	10/14/2015	Air, Indoor		X
1510313	Eurofins Air Toxics	1510313-07AB	AV29IASMHWY1S	10/14/2015	Air, Indoor		X

Notes:

[1] To obtain lower detection limits to assess data against screening levels, air samples analyzed for volatile organic compounds were run via both in full scan and SIM mode. The laboratory used the same base identification and an "A" and "B" suffix was appended for full scan and SIM; respectively.

SDG = Sample delivery group

TO-11 = Formaldehyde via *Compendium Method TO-11A, Determination of Formaldehyde in Ambient Air Using Adsorbent Cartridge Followed by high Performance Liquid Chromatography [Active Sampling Method]*, U.S. Environmental Protection Agency, January 1999

TO-15 = Volatile organic compounds via *Compendium Method TO-15, Determination of Volatile Organic Compounds In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry*, U.S. Environmental Protection Agency, January 1999

SIM = Selective ion monitoring

X = Sample was analyzed for the method indicated in the column header.

Table A-2 Soil Sample and Analysis Summary											
SDG[1]	**Laboratory**	**Laboratory Identification**	**Sample Identification**	**Sample Date**	**Matrix**	**6020A/ 7471B**	**8015C_G/ 8015C_D**	**8081B/ 8082A**	**8141A**	**8151A**	**8270D[2]**
680-117942	TestAmerica	680-117942-1	AOPSE201	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-2	AOPSF201	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-3	AOPSD301	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-4	AOPSE301	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-5	AOPSE501	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-6	AOPCF101	10/10/2015	Duplicate of AOPSF101	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-7	AOPSC401	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-8	AOPSF101	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-9	AOPSD501	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-10	AOPSD401	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-11	AOPSC701	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-12	AOPSC801	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-13	AOPSG701	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-14	AOPSG1001	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-15	AOPSG901	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-16	AOPSD801	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-17	AOPSD701	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-18	AOPSD1001	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-19	AOPSG601	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-20	AOPSF1001	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-21	AOPSG801	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-22	AOPCC901	10/11/2015	Duplicate of AOPSC901	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-23	AOPSC901	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-24	AOPSE401	10/10/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-25	AOPSB701	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-26	AOPSD901	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-27	AOPSA601	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-28	AOPSB501	10/11/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-29	AOPSM601	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-30	AOPSM801	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-31	AOPCM801	10/12/2015	Duplicate of AOPSM801	X	X	X	X	X	X

Table A-2 Soil Sample and Analysis Summary											
SDG[1]	**Laboratory**	**Laboratory Identification**	**Sample Identification**	**Sample Date**	**Matrix**	**6020A/ 7471B**	**8015C_G/ 8015C_D**	**8081B/ 8082A**	**8141A**	**8151A**	**8270D[2]**
680-117942	TestAmerica	680-117942-32	AOPSM701	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-33	AOPSL801	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-34	AOPSJ1001	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-35	AOPSM1001	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-36	AOPSL901	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-37	AOPSK1001	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-38	AOPCK1001	10/12/2015	Duplicate of AOPSK1001	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-39	AOPSK901	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-40	AOPSM901	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-41	AOPSL1001	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-42	AOPSK101	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-43	AOPSM301	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-44	AOPSM201	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-45	AOPSL201	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-46	AOPSN301	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-47	AOPSM401	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-48	AOPSN401	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-49	AOPSM501	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-50	AOPSE601	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-51	AOPSF501	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-52	AOPSF701	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-53	AOPSH301	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-54	AOPSH401	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-55	AOPSH501	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-56	AOPCH501	10/12/2015	Duplicate of AOPSH501	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-57	AOPSJ201	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-58	AOPSK201	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-59	AOPSK301	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-60	AOPSK501	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-61	AOPSL301	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-62	AOPCL301	10/12/2015	Duplicate of AOPSL301	X	X	X	X	X	X

Table A-2
Soil Sample and Analysis Summary

SDG[1]	Laboratory	Laboratory Identification	Sample Identification	Sample Date	Matrix	6020A/ 7471B	8015C_G/ 8015C_D	8081B/ 8082A	8141A	8151A	8270D[2]
680-117942	TestAmerica	680-117942-63	AOPSL401	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-64	AOPSL501	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-65	AOPSL601	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-66	AOPSL701	10/12/2015	Soil	X	X	X	X	X	X
680-117942	TestAmerica	680-117942-67	FB101415	10/14/2015	Field Blank		X	X	X	X	X
680-117942	TestAmerica	680-117942-68	EB101415	10/14/2015	Equipment Blank		X	X	X	X	X

Notes:

[1] Soil data were reported in six SDGs, as shown in Table 1. However, the -1 through-6 suffixes were dropped when loading data into the project database and this table reflects the dropped characters.

[2] Polynuclear aromatic hydrocarbons, reported as part of the semivolatile organic analysis, were analyzed via SIM mode to obtain lower detection limit.

SDG = Sample delivery group
6020A = Metals via SW-846 Method 6020A; analyzed by TestAmerica, North Canton, Ohio
7471B = Mercury via SW-846 7471B; analyzed by TestAmerica, North Canton, Ohio
8015C_G = Gasoline range organics via modified SW-846 Method 8015C; analyzed by TestAmerica, Savannah, Georgia
8015C_D = Diesel range organics, (jet fuel, JP-5, carbon range C10-C28, and oil range) via modified SW-846 Method 8015C; analyzed by TestAmerica, Savannah, Georgia
8081B = Pesticides via SW-846 Method 8081B; analyzed by TestAmerica, Savannah, Georgia
8082A = Polychlorinated biphenyl compounds via SW-846 Method 8082A; analyzed by TestAmerica, Savannah, Georgia
8141A = Organophosphorus pesticides via SW-846 Method 8181A; analyzed by TestAmerica, Denver, Colorado
8151A = Chlorinated herbicides via SW-846 Method 8151A; analyzed by TestAmerica, Savannah, Georgia
8270D = Semivolatile organic compounds via SW-846 Method 8270D and polynuclear aromatic hydrocarbons via SW-846 Method 8270D selective ion monitoring; analyzed by TestAmerica, Savannah, Georgia
SIM = Selective ion monitoring
X = Sample was analyzed for the method indicated in the column header.

Table A-3
Drinking Water Sample and Analysis Summary

SDG	Laboratory	Laboratory Identification	Sample Identification	Sample Date	Matrix	200.7	524.2	552.2
680-117954-1	TestAmerica	680-117954-1	AV32DWMR	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-10	CZDW5A	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-11	CZDW10B	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-12	TENTDWS2	10/12/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-13	TENTDWL3	10/12/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-14	AV34DW1BR	10/13/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-15	AV34DW2BR	10/13/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-16	ELCDWPH	10/13/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-17	AV29DW2BR	10/13/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-18	AV29DW1BR	10/13/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-19	TB101415	10/14/2015	Trip Blank		X	X
680-117954-1	TestAmerica	680-117954-2	AV32DWPH3	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-3	CZDW47A	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-4	CZDW44A	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-5	CZDW28B	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-6	CZDW35A	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-7	CZDW23A	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-8	CZDW16A	10/11/2015	Drinking Water	X	X	X
680-117954-1	TestAmerica	680-117954-9	CZDW5A(D)	10/11/2015	Duplicate of CZDW5A	X	X	X

Notes:

SDG = Sample delivery group
200.7 = Cadmium and lead via U.S. Environmental Protection Agency Method 200.7; analyzed by TestAmerica, North Canton, Ohio
524.2 = Trihalomethane compounds via U.S. Environmental Protection Agency Method 524.2; analyzed by TestAmerica, Savannah, Georgia
552.2 = Haloacetic Acid compounds via U.S. Environmental Protection Agency Method 524.2; analyzed by TestAmerica, Savannah, Georgia
X = Sample was analyzed for the method indicated in the column header.

Table A-4 Paint Chip Sample and Analysis Summary						
SDG	**Laboratory**	**Laboratory Identification**	**Sample Identification**	**Sample Date**	**Matrix**	**8082A**
680-118004-1	TestAmerica	680-118004-1	AV32PC01	10/10/2015	Paint Chips	X
680-118004-1	TestAmerica	680-118004-2	AV32PC02	10/10/2015	Paint Chips	X
680-118004-1	TestAmerica	680-118004-3	AV32PC03	10/10/2015	Paint Chips	X

Notes:

SDG = Sample delivery group

8082A = Polychlorinated biphenyl compounds via SW-846 Method 8082A; analyzed by TestAmerica, Savannah, Georgia

X = Sample was analyzed for the method indicated in the column header.

Attachment B
Qualified Results Summary

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.52	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	1,2,4-TRIMETHYLBENZENE	0.38	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	2,2,4-TRIMETHYLPENTANE	0.27	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	2-HEXANONE	0.42	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	2-PROPANOL	4.9	µg/m3	J	J	c
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	4-ETHYLTOLUENE	0.32	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	4-METHYL-2-PENTANONE	0.41	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	HEXANE	0.27	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	METHYLENE CHLORIDE	0.2	µg/m3	J	U	bl
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	PROPYLBENZENE	0.12	µg/m3	J	J	
TO-15	AI	AV32IASMMR	1510310-01A	Normal	1.48	STYRENE	0.26	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	1,1,1-TRICHLOROETHANE	0.015	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	1,2-DIBROMOETHANE	0.045	µg/m3	J	U	bl
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	1,2-DICHLOROETHANE	0.049	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	1,4-DICHLOROBENZENE	0.036	µg/m3	J	UJ	bl,c
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	CARBON TETRACHLORIDE	0.59	µg/m3		J	c
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	CHLOROETHANE	0.075	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	CHLOROMETHANE	1.7	µg/m3	J	J	c
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	METHYL TERT-BUTYL ETHER	0.023	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	TETRACHLOROETHENE	0.033	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMR	1510310-01B	Normal	1.48	TRICHLOROETHENE	0.021	µg/m3	J	J	c
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.55	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	1,2,4-TRIMETHYLBENZENE	0.32	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	2,2,4-TRIMETHYLPENTANE	0.2	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	2-BUTANONE	1.3	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	2-PROPANOL	0.69	µg/m3	J	J	c
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	4-ETHYLTOLUENE	0.26	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	CYCLOHEXANE	0.15	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	HEPTANE	0.18	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	HEXANE	0.18	µg/m3	J	J	
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15	AI	AV32IASMMP	1510310-02A	Normal	1.57	STYRENE	0.16	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	1,1,1-TRICHLOROETHANE	0.014	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	1,2-DICHLOROETHANE	0.034	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	1,4-DICHLOROBENZENE	0.038	µg/m3	UJ	UJ	c
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	CARBON TETRACHLORIDE	0.51	µg/m3		J	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	CHLOROETHANE	0.039	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	CHLOROFORM	0.08	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	CHLOROMETHANE	2	µg/m3	J	J	c
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	TETRACHLOROETHENE	0.07	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMMP	1510310-02B	Normal	1.57	TRICHLOROETHENE	0.022	µg/m3	J	J	c
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.58	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	1,2,4-TRIMETHYLBENZENE	0.28	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	2,2,4-TRIMETHYLPENTANE	0.25	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	2-BUTANONE	1.7	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	2-HEXANONE	0.36	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	2-PROPANOL	4.2	µg/m3	J	J	c
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	4-ETHYLTOLUENE	0.2	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	4-METHYL-2-PENTANONE	0.2	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	HEPTANE	0.5	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	HEXANE	0.22	µg/m3	J	J	
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15	AI	AV32IASMM01	1510310-03A	Normal	1.57	STYRENE	0.31	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	1,1,1-TRICHLOROETHANE	0.018	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	1,2-DICHLOROETHANE	0.1	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	1,4-DICHLOROBENZENE	0.038	µg/m3	UJ	UJ	c
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	CARBON TETRACHLORIDE	0.6	µg/m3		J	c
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	CHLOROFORM	0.085	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	CHLOROMETHANE	1.7	µg/m3	J	J	c
TO-15_SIM	AI	AV32IASMM01	1510310-03B	Normal	1.57	TRICHLOROETHENE	0.034	µg/m3	U	UJ	c
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.62	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	1,2,4-TRIMETHYLBENZENE	0.45	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	2,2,4-TRIMETHYLPENTANE	0.44	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	2-HEXANONE	0.57	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	2-PROPANOL	26	µg/m3	J	J	c
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	4-ETHYLTOLUENE	0.33	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	4-METHYL-2-PENTANONE	0.39	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	CARBON DISULFIDE	0.28	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	ETHANOL	0.3	µg/m3	J	U	bl
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	HEXANE	0.41	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	ISOPROPYLBENZENE	0.19	µg/m3	J	J	
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15	AI	AV32IASMM02	1510310-04A	Normal	1.58	TETRAHYDROFURAN	1.6	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	1,1,1-TRICHLOROETHANE	0.019	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	1,2-DICHLOROETHANE	0.057	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	1,4-DICHLOROBENZENE	0.038	µg/m3	J	UJ	bl,c
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	CARBON TETRACHLORIDE	0.68	µg/m3		J	c
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	CHLOROETHANE	0.034	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	CHLOROMETHANE	1.9	µg/m3	J	J	c
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	METHYL TERT-BUTYL ETHER	0.012	µg/m3	J	J	
TO-15_SIM	AI	AV32IASMM02	1510310-04B	Normal	1.58	TRICHLOROETHENE	0.034	µg/m3	U	UJ	c
TO-15	AO	AV32IASMBKD	1510310-05A	Normal	1.77	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.75	µg/m3	J	J	
TO-15	AO	AV32IASMBKD	1510310-05A	Normal	1.77	1,2,4-TRIMETHYLBENZENE	0.14	µg/m3	J	J	
TO-15	AO	AV32IASMBKD	1510310-05A	Normal	1.77	2-BUTANONE	2	µg/m3	J	J	
TO-15	AO	AV32IASMBKD	1510310-05A	Normal	1.77	2-PROPANOL	0.76	µg/m3	J	J	c
TO-15	AO	AV32IASMBKD	1510310-05A	Normal	1.77	HEXANE	0.14	µg/m3	J	J	
TO-15	AO	AV32IASMBKD	1510310-05A	Normal	1.77	METHYLENE CHLORIDE	0.24	µg/m3	J	U	bl
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	1,1,1-TRICHLOROETHANE	0.022	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	1,2-DICHLOROETHANE	0.035	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	1,4-DICHLOROBENZENE	0.042	µg/m3	UJ	UJ	c
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	CARBON TETRACHLORIDE	0.53	µg/m3		J	c
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	CHLOROETHANE	0.05	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	CHLOROFORM	0.084	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	CHLOROMETHANE	1.7	µg/m3	J	J	c
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	ETHYLBENZENE	0.1	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	M- AND P-XYLENE	0.28	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	O-XYLENE	0.15	µg/m3	J	J	
TO-15_SIM	AO	AV32IASMBKD	1510310-05B	Normal	1.77	TRICHLOROETHENE	0.017	µg/m3	J	J	c
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.54	µg/m3	J	J	
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	1,2,4-TRIMETHYLBENZENE	0.13	µg/m3	J	J	
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	2,2,4-TRIMETHYLPENTANE	0.24	µg/m3	J	J	
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	2-BUTANONE	1.7	µg/m3	J	J	
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	2-PROPANOL	0.64	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	CARBON DISULFIDE	0.27	µg/m3	J	J	
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	HEPTANE	0.31	µg/m3	J	J	
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	HEXANE	0.17	µg/m3	J	J	
TO-15	AI	TENTIASMC1	1510310-06A	Normal	1.64	STYRENE	0.14	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	1,1,1-TRICHLOROETHANE	0.016	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	1,2-DICHLOROETHANE	0.041	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	1,4-DICHLOROBENZENE	0.039	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	CARBON TETRACHLORIDE	0.63	µg/m3		J	c
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	CHLOROETHANE	0.049	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	CHLOROFORM	0.076	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	CHLOROMETHANE	1.5	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	TETRACHLOROETHENE	0.038	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC1	1510310-06B	Normal	1.64	TRICHLOROETHENE	0.035	µg/m3	U	UJ	c
TO-15	AI	TENTIASML1	1510310-07A	Normal	1.61	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.54	µg/m3	J	J	
TO-15	AI	TENTIASML1	1510310-07A	Normal	1.61	1,2,4-TRIMETHYLBENZENE	0.11	µg/m3	J	J	
TO-15	AI	TENTIASML1	1510310-07A	Normal	1.61	2-PROPANOL	0.62	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASML1	1510310-07A	Normal	1.61	HEXANE	0.14	µg/m3	J	J	
TO-15	AI	TENTIASML1	1510310-07A	Normal	1.61	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15	AI	TENTIASML1	1510310-07A	Normal	1.61	STYRENE	0.095	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	1,1,1-TRICHLOROETHANE	0.024	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	1,2-DICHLOROETHANE	0.03	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	1,4-DICHLOROBENZENE	0.039	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	CARBON TETRACHLORIDE	0.6	µg/m3		J	c
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	CHLOROETHANE	0.035	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	CHLOROFORM	0.098	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	CHLOROMETHANE	1.5	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	ETHYLBENZENE	0.08	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	M- AND P-XYLENE	0.21	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	O-XYLENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASML1	1510310-07B	Normal	1.61	TRICHLOROETHENE	0.035	µg/m3	U	UJ	c
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.63	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	1,2,4-TRIMETHYLBENZENE	0.22	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	2,2,4-TRIMETHYLPENTANE	0.36	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	2-PROPANOL	2.3	µg/m3	J	J	c
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	4-ETHYLTOLUENE	0.22	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	4-METHYL-2-PENTANONE	0.24	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	BROMODICHLOROMETHANE	0.64	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	CARBON DISULFIDE	0.36	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	CYCLOHEXANE	0.32	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	DIBROMOCHLOROMETHANE	1	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	ETHANOL	0.31	µg/m3	J	U	bl
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	HEPTANE	0.3	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	HEXANE	0.16	µg/m3	J	J	
TO-15	AI	TENTIASMS1	1510310-08A	Normal	1.64	STYRENE	0.36	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	1,1,1-TRICHLOROETHANE	0.14	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	1,1-DICHLOROETHANE	0.019	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	1,2-DICHLOROETHANE	0.083	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	1,4-DICHLOROBENZENE	0.039	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	CARBON TETRACHLORIDE	0.74	µg/m3		J	c
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	CHLOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	CHLOROMETHANE	2.4	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	TETRACHLOROETHENE	0.14	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS1	1510310-08B	Normal	1.64	TRICHLOROETHENE	0.85	µg/m3		J	c
TO-15	AI	TENTIASMA2	1510310-09A	Normal	1.76	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.54	µg/m3	J	J	
TO-15	AI	TENTIASMA2	1510310-09A	Normal	1.76	1,2,4-TRIMETHYLBENZENE	0.18	µg/m3	J	J	
TO-15	AI	TENTIASMA2	1510310-09A	Normal	1.76	2-BUTANONE	0.9	µg/m3	J	J	
TO-15	AI	TENTIASMA2	1510310-09A	Normal	1.76	2-PROPANOL	1.3	µg/m3	J	J	c
TO-15	AI	TENTIASMA2	1510310-09A	Normal	1.76	HEXANE	0.11	µg/m3	J	J	
TO-15	AI	TENTIASMA2	1510310-09A	Normal	1.76	METHYLENE CHLORIDE	0.24	µg/m3	J	U	bl
TO-15	AI	TENTIASMA2	1510310-09A	Normal	1.76	STYRENE	0.28	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	1,1,1-TRICHLOROETHANE	0.018	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	1,2-DICHLOROETHANE	0.034	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	1,4-DICHLOROBENZENE	0.042	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	CARBON TETRACHLORIDE	0.53	µg/m3		J	c
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	CHLOROETHANE	0.039	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	CHLOROFORM	0.088	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	CHLOROMETHANE	1.6	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	ETHYLBENZENE	0.093	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	M- AND P-XYLENE	0.24	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	O-XYLENE	0.086	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA2	1510310-09B	Normal	1.76	TRICHLOROETHENE	0.038	µg/m3	U	UJ	c
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.6	µg/m3	J	J	
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	1,2,4-TRIMETHYLBENZENE	0.13	µg/m3	J	J	
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	2-BUTANONE	1.4	µg/m3	J	J	
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	2-PROPANOL	0.7	µg/m3	J	J	
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	CYCLOHEXANE	0.17	µg/m3	J	J	
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	HEXANE	0.096	µg/m3	J	J	
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	METHYLENE CHLORIDE	0.23	µg/m3	J	U	bl

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	TENTIASMB2	1510310-10A	Normal	1.63	STYRENE	0.13	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	1,1,1-TRICHLOROETHANE	0.019	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	1,1,2,2-TETRACHLOROETHANE	0.045	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	1,2-DIBROMOETHANE	0.05	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	1,2-DICHLOROETHANE	0.026	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	1,4-DICHLOROBENZENE	0.039	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	CARBON TETRACHLORIDE	0.53	µg/m3		J	c
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	CHLOROETHANE	0.05	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	CHLOROFORM	0.086	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	ETHYLBENZENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	O-XYLENE	0.13	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB2	1510310-10B	Normal	1.63	TETRACHLOROETHENE	0.037	µg/m3	J	J	
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.58	µg/m3	J	J	
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	1,2,4-TRIMETHYLBENZENE	0.13	µg/m3	J	J	
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	2-BUTANONE	1.5	µg/m3	J	J	
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	2-PROPANOL	1.3	µg/m3	J	J	c
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	4-METHYL-2-PENTANONE	0.17	µg/m3	J	J	
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	CYCLOHEXANE	0.45	µg/m3	J	J	
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	HEXANE	0.16	µg/m3	J	J	
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	METHYLENE CHLORIDE	0.21	µg/m3	J	U	bl
TO-15	AI	TENTIASMD1	1510311-01A	Normal	1.51	STYRENE	0.1	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	1,1,1-TRICHLOROETHANE	0.018	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	1,2-DICHLOROETHANE	0.061	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	1,4-DICHLOROBENZENE	0.036	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	CARBON TETRACHLORIDE	0.6	µg/m3		J	c,l
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	CHLOROETHANE	0.05	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	CHLOROFORM	0.093	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	CHLOROMETHANE	1.6	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	TETRACHLOROETHENE	0.02	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD1	1510311-01B	Normal	1.51	TRICHLOROETHENE	0.017	µg/m3	J	J	c
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.56	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	1,2,4-TRIMETHYLBENZENE	0.28	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	1,3,5-TRIMETHYLBENZENE	0.14	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	2,2,4-TRIMETHYLPENTANE	0.35	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	2-BUTANONE	1.5	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	2-PROPANOL	4.3	µg/m3	J	J	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	4-ETHYLTOLUENE	0.26	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	4-METHYL-2-PENTANONE	0.24	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	HEPTANE	0.58	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	HEXANE	0.28	µg/m3	J	J	
TO-15	AI	TENTIASMC7	1510311-02A	Normal	1.48	STYRENE	0.3	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	1,1,1-TRICHLOROETHANE	0.027	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	1,2-DICHLOROETHANE	0.08	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	1,4-DICHLOROBENZENE	0.036	µg/m3	J	UJ	bl,c
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	CARBON TETRACHLORIDE	0.62	µg/m3		J	c,l
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	CHLOROETHANE	0.054	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	CHLOROFORM	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	CHLOROMETHANE	1.7	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	TETRACHLOROETHENE	0.08	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC7	1510311-02B	Normal	1.48	TRICHLOROETHENE	0.28	µg/m3		J	c
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.53	µg/m3	J	J	
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	1,2,4-TRIMETHYLBENZENE	0.52	µg/m3	J	J	
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	2-BUTANONE	1	µg/m3	J	J	
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	2-PROPANOL	0.64	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	4-ETHYLTOLUENE	0.46	µg/m3	J	J	
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	ETHANOL	0.31	µg/m3	J	U	bl
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	HEXANE	0.11	µg/m3	J	J	
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	METHYLENE CHLORIDE	0.23	µg/m3	J	U	bl
TO-15	AI	TENTIASMA9	1510311-03A	Normal	1.66	STYRENE	0.1	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	1,1,1-TRICHLOROETHANE	0.017	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	1,2-DICHLOROETHANE	0.029	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	1,4-DICHLOROBENZENE	0.04	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	CARBON TETRACHLORIDE	0.61	µg/m3		J	c
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	CHLOROETHANE	0.06	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	CHLOROFORM	0.079	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	CHLOROMETHANE	1.8	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	ETHYLBENZENE	0.14	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	METHYL TERT-BUTYL ETHER	0.01	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA9	1510311-03B	Normal	1.66	TRICHLOROETHENE	0.036	µg/m3	U	UJ	c
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.56	µg/m3	J	J	
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	1,2,4-TRIMETHYLBENZENE	0.12	µg/m3	J	J	
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	2-BUTANONE	1.4	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	2-PROPANOL	0.62	µg/m3	J	J	c
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	BROMODICHLOROMETHANE	0.47	µg/m3	J	J	
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	CYCLOHEXANE	0.2	µg/m3	J	J	
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	DIBROMOCHLOROMETHANE	0.78	µg/m3	J	J	
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	HEPTANE	0.15	µg/m3	J	J	
TO-15	AI	TENTIASMS3	1510311-04A	Normal	1.52	HEXANE	0.1	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	1,1,1-TRICHLOROETHANE	0.018	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	1,2-DICHLOROETHANE	0.036	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	1,4-DICHLOROBENZENE	0.036	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	CARBON TETRACHLORIDE	0.6	µg/m3		J	c,l
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	CHLOROETHANE	0.033	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	CHLOROMETHANE	1.6	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	ETHYLBENZENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMS3	1510311-04B	Normal	1.52	TRICHLOROETHENE	0.033	µg/m3	U	UJ	c
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.49	µg/m3	J	J	
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	1,2,4-TRIMETHYLBENZENE	0.14	µg/m3	J	J	
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	2-BUTANONE	1.4	µg/m3	J	J	
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	2-PROPANOL	0.6	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	4-METHYL-2-PENTANONE	0.19	µg/m3	J	J	
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	CARBON DISULFIDE	0.55	µg/m3	J	J	
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	HEXANE	0.089	µg/m3	J	J	
TO-15	AI	TENTIASMD10	1510311-05A	Normal	1.56	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	1,1,1-TRICHLOROETHANE	0.017	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	1,2-DICHLOROETHANE	0.033	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	1,4-DICHLOROBENZENE	0.038	µg/m3	J	UJ	bl,c
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	CARBON TETRACHLORIDE	0.61	µg/m3		J	c,l
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	CHLOROETHANE	0.04	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	CHLOROFORM	0.081	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	CHLOROMETHANE	1.6	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	ETHYLBENZENE	0.092	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	M- AND P-XYLENE	0.25	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	O-XYLENE	0.13	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD10	1510311-05B	Normal	1.56	TRICHLOROETHENE	0.034	µg/m3	U	UJ	c
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.58	µg/m3	J	J	
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	1,2,4-TRIMETHYLBENZENE	0.11	µg/m3	J	J	
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	1,4-DIOXANE	0.24	µg/m3	U	UJ	fd

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	2-BUTANONE	1.4	µg/m3	J	J	
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	2-PROPANOL	0.64	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	4-METHYL-2-PENTANONE	0.15	µg/m3	J	J	
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	HEXANE	0.096	µg/m3	J	J	
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	METHYLENE CHLORIDE	0.23	µg/m3	J	U	bl
TO-15	AI	TENTIASMC13	1510311-06A	Normal	1.64	STYRENE	0.094	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	1,1,1-TRICHLOROETHANE	0.017	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	1,2-DICHLOROETHANE	0.041	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	1,4-DICHLOROBENZENE	0.039	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	CARBON TETRACHLORIDE	0.61	µg/m3		J	c
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	CHLOROFORM	0.074	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	CHLOROMETHANE	1.5	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	ETHYLBENZENE	0.078	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	M- AND P-XYLENE	0.2	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	O-XYLENE	0.074	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	TOLUENE	0.6	µg/m3		J	fd
TO-15_SIM	AI	TENTIASMC13	1510311-06B	Normal	1.64	TRICHLOROETHENE	0.089	µg/m3	J	J	c
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.7	µg/m3	J	J	
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	1,2,4-TRIMETHYLBENZENE	0.44	µg/m3	J	J	
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	1,4-DIOXANE	230	µg/m3		J	fd
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	2-BUTANONE	1.2	µg/m3	J	J	
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	2-PROPANOL	1.2	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	4-ETHYLTOLUENE	0.33	µg/m3	J	J	
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	ETHANOL	0.58	µg/m3	J	U	bl
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	HEXANE	0.17	µg/m3	J	J	
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	METHYLENE CHLORIDE	0.42	µg/m3	J	U	bl
TO-15	AI	TENTIASMC13D	1510311-07A	Duplicate	3.06	TRICHLOROFLUOROMETHANE	1.3	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	1,1,1-TRICHLOROETHANE	0.026	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	1,2-DICHLOROETHANE	0.14	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	1,4-DICHLOROBENZENE	0.074	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	BENZENE	0.37	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	CARBON TETRACHLORIDE	0.61	µg/m3		J	c,l
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	CHLOROETHANE	0.075	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	CHLOROFORM	0.081	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	CHLOROMETHANE	1.7	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	M- AND P-XYLENE	0.44	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	O-XYLENE	0.21	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	TOLUENE	1	µg/m3		J	fd
TO-15_SIM	AI	TENTIASMC13D	1510311-07B	Duplicate	3.06	TRICHLOROETHENE	0.24	µg/m3	J	J	c
TO-15	AI	TENTIASMD11	1510311-08A	Normal	1.55	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.55	µg/m3	J	J	
TO-15	AI	TENTIASMD11	1510311-08A	Normal	1.55	1,2,4-TRIMETHYLBENZENE	0.14	µg/m3	J	J	
TO-15	AI	TENTIASMD11	1510311-08A	Normal	1.55	2-BUTANONE	0.85	µg/m3	J	J	
TO-15	AI	TENTIASMD11	1510311-08A	Normal	1.55	2-PROPANOL	0.6	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMD11	1510311-08A	Normal	1.55	HEPTANE	0.2	µg/m3	J	J	
TO-15	AI	TENTIASMD11	1510311-08A	Normal	1.55	HEXANE	0.15	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	1,1,1-TRICHLOROETHANE	0.017	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	1,1,2,2-TETRACHLOROETHANE	0.042	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	1,2-DIBROMOETHANE	0.048	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	1,2-DICHLOROETHANE	0.025	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	1,4-DICHLOROBENZENE	0.037	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	CARBON TETRACHLORIDE	0.57	µg/m3		J	c,l
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	CHLOROETHANE	0.041	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	CHLOROFORM	0.085	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	ETHYLBENZENE	0.086	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	M- AND P-XYLENE	0.23	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	O-XYLENE	0.11	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMD11	1510311-08B	Normal	1.55	TETRACHLOROETHENE	0.019	µg/m3	J	J	
TO-15	AI	TENTIASMB14	1510311-09A	Normal	1.63	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.44	µg/m3	J	J	
TO-15	AI	TENTIASMB14	1510311-09A	Normal	1.63	1,2,4-TRIMETHYLBENZENE	0.14	µg/m3	J	J	
TO-15	AI	TENTIASMB14	1510311-09A	Normal	1.63	2-BUTANONE	0.87	µg/m3	J	J	
TO-15	AI	TENTIASMB14	1510311-09A	Normal	1.63	2-PROPANOL	0.63	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMB14	1510311-09A	Normal	1.63	ETHANOL	0.31	µg/m3	J	U	bl
TO-15	AI	TENTIASMB14	1510311-09A	Normal	1.63	HEPTANE	0.12	µg/m3	J	J	
TO-15	AI	TENTIASMB14	1510311-09A	Normal	1.63	METHYLENE CHLORIDE	0.23	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	1,1,1-TRICHLOROETHANE	0.015	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	1,2-DICHLOROETHANE	0.037	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	1,4-DICHLOROBENZENE	0.039	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	CARBON TETRACHLORIDE	0.52	µg/m3		J	c
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	CHLOROETHANE	0.059	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	CHLOROFORM	0.073	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	CHLOROMETHANE	1.7	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	ETHYLBENZENE	0.078	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	M- AND P-XYLENE	0.22	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	O-XYLENE	0.076	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMB14	1510311-09B	Normal	1.63	TRICHLOROETHENE	0.035	µg/m3	U	UJ	c
TO-15	AI	TENTIASMA13	1510311-10A	Normal	1.45	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.58	µg/m3	J	J	
TO-15	AI	TENTIASMA13	1510311-10A	Normal	1.45	1,2,4-TRIMETHYLBENZENE	0.14	µg/m3	J	J	
TO-15	AI	TENTIASMA13	1510311-10A	Normal	1.45	2-BUTANONE	0.66	µg/m3	J	J	
TO-15	AI	TENTIASMA13	1510311-10A	Normal	1.45	2-PROPANOL	0.56	µg/m3	UJ	UJ	c
TO-15	AI	TENTIASMA13	1510311-10A	Normal	1.45	ETHANOL	0.27	µg/m3	J	U	bl
TO-15	AI	TENTIASMA13	1510311-10A	Normal	1.45	HEXANE	0.11	µg/m3	J	J	
TO-15	AI	TENTIASMA13	1510311-10A	Normal	1.45	METHYLENE CHLORIDE	0.2	µg/m3	J	U	bl
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	1,1,1-TRICHLOROETHANE	0.017	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	1,2-DICHLOROETHANE	0.025	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	1,4-DICHLOROBENZENE	0.035	µg/m3	UJ	UJ	c
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	CARBON TETRACHLORIDE	0.54	µg/m3		J	c
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	CHLOROFORM	0.076	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	CHLOROMETHANE	1.6	µg/m3	J	J	c
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	ETHYLBENZENE	0.087	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	M- AND P-XYLENE	0.23	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	O-XYLENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	TENTIASMA13	1510311-10B	Normal	1.45	TRICHLOROETHENE	0.031	µg/m3	U	UJ	c
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.64	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	1,2,4-TRIMETHYLBENZENE	0.19	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	1,4-DIOXANE	0.56	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	2-PROPANOL	8.9	µg/m3	J	J	c
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	4-ETHYLTOLUENE	0.2	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	CYCLOHEXANE	0.21	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	HEPTANE	0.17	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	HEXANE	0.12	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	ISOPROPYLBENZENE	0.13	µg/m3	J	J	
TO-15	AI	AV31IASM01	1510312-01A	Normal	1.6	STYRENE	0.22	µg/m3	J	J	
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	1,1,1-TRICHLOROETHANE	0.028	µg/m3	J	J	
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	1,2-DIBROMOETHANE	0.049	µg/m3	J	U	bl
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	1,2-DICHLOROETHANE	0.026	µg/m3	J	U	bl
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	1,4-DICHLOROBENZENE	0.038	µg/m3	J	U	bl
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	CARBON TETRACHLORIDE	0.57	µg/m3		J	c,l
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	CHLOROETHANE	0.062	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	TETRACHLOROETHENE	0.11	µg/m3	J	J	
TO-15_SIM	AI	AV31IASM01	1510312-01B	Normal	1.6	TRICHLOROETHENE	0.044	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.58	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	1,2,4-TRIMETHYLBENZENE	0.34	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	1,3-BUTADIENE	0.12	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	2,2,4-TRIMETHYLPENTANE	0.18	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	2-HEXANONE	0.78	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	2-PROPANOL	5.8	µg/m3	J	J	c
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	4-ETHYLTOLUENE	0.28	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	4-METHYL-2-PENTANONE	0.25	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	CARBON DISULFIDE	0.28	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	HEXANE	0.4	µg/m3	J	J	
TO-15	AI	AV34IASMCR	1510312-02A	Normal	1.45	PROPYLBENZENE	0.13	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	1,1,1-TRICHLOROETHANE	0.02	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	1,2-DIBROMOETHANE	0.044	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	1,2-DICHLOROETHANE	0.023	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	1,4-DICHLOROBENZENE	0.035	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	CARBON TETRACHLORIDE	0.56	µg/m3		J	c,l
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	CHLOROETHANE	0.078	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	CHLOROFORM	0.1	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	TETRACHLOROETHENE	0.088	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCR	1510312-02B	Normal	1.45	TRICHLOROETHENE	0.029	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.52	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	1,2,4-TRIMETHYLBENZENE	0.28	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	1,3-BUTADIENE	0.096	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	2,2,4-TRIMETHYLPENTANE	0.24	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	2-BUTANONE	1.7	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	2-PROPANOL	14	µg/m3	J	J	c
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	4-ETHYLTOLUENE	0.17	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	4-METHYL-2-PENTANONE	0.7	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	ACETONE	0.44	µg/m3	J	U	bl
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	CARBON DISULFIDE	0.23	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	ETHANOL	190	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	HEPTANE	0.48	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	HEXANE	0.19	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1N	1510312-03A	Normal	1.85	METHYLENE CHLORIDE	0.26	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	1,1,1-TRICHLOROETHANE	0.018	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	1,2-DIBROMOETHANE	0.057	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	1,2-DICHLOROETHANE	0.03	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	1,4-DICHLOROBENZENE	0.044	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	CARBON TETRACHLORIDE	0.61	µg/m3		J	c,l
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	CHLOROETHANE	0.07	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	CHLOROFORM	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	O-XYLENE	0.15	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	TETRACHLOROETHENE	0.084	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1N	1510312-03B	Normal	1.85	TRICHLOROETHENE	0.061	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.54	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	1,2,4-TRIMETHYLBENZENE	0.23	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	2-BUTANONE	1.8	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	2-HEXANONE	0.55	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	4-ETHYLTOLUENE	0.21	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	4-METHYL-2-PENTANONE	0.35	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	ACETONE	0.37	µg/m3	J	U	bl
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	CARBON DISULFIDE	0.24	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	CYCLOHEXANE	0.12	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	ETHANOL	0.29	µg/m3	J	U	bl
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	HEPTANE	0.44	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	HEXANE	0.21	µg/m3	J	J	
TO-15	AI	AV34IASMHWY1S	1510312-04A	Normal	1.56	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	1,2-DIBROMOETHANE	0.048	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	1,2-DICHLOROETHANE	0.025	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	1,4-DICHLOROBENZENE	0.038	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	CARBON TETRACHLORIDE	0.54	µg/m3		J	c
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	CHLOROETHANE	0.053	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	CHLOROFORM	0.1	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	TETRACHLOROETHENE	0.063	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMHWY1S	1510312-04B	Normal	1.56	TRICHLOROETHENE	0.021	µg/m3	J	J	
TO-15	AO	AV34IASMBKD	1510312-05A	Normal	1.76	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.6	µg/m3	J	J	
TO-15	AO	AV34IASMBKD	1510312-05A	Normal	1.76	1,2,4-TRIMETHYLBENZENE	0.12	µg/m3	J	J	
TO-15	AO	AV34IASMBKD	1510312-05A	Normal	1.76	2-PROPANOL	0.68	µg/m3	UJ	UJ	c
TO-15	AO	AV34IASMBKD	1510312-05A	Normal	1.76	CARBON DISULFIDE	0.25	µg/m3	J	J	
TO-15	AO	AV34IASMBKD	1510312-05A	Normal	1.76	HEPTANE	0.23	µg/m3	J	J	
TO-15	AO	AV34IASMBKD	1510312-05A	Normal	1.76	HEXANE	0.18	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AO	AV34IASMBKD	1510312-05A	Normal	1.76	METHYLENE CHLORIDE	0.24	µg/m3	J	U	bl
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	1,1,1-TRICHLOROETHANE	0.02	µg/m3	J	J	
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	1,1,2,2-TETRACHLOROETHANE	0.048	µg/m3	J	U	bl
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	1,2-DIBROMOETHANE	0.054	µg/m3	J	U	bl
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	1,2-DICHLOROETHANE	0.028	µg/m3	J	U	bl
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	1,4-DICHLOROBENZENE	0.042	µg/m3	J	U	bl
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	CARBON TETRACHLORIDE	0.54	µg/m3		J	c,l
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	CHLOROETHANE	0.097	µg/m3	J	J	
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	CHLOROFORM	0.081	µg/m3	J	J	
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	ETHYLBENZENE	0.085	µg/m3	J	J	
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	M- AND P-XYLENE	0.24	µg/m3	J	J	
TO-15_SIM	AO	AV34IASMBKD	1510312-05B	Normal	1.76	O-XYLENE	0.087	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.48	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	1,2,4-TRIMETHYLBENZENE	0.39	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	1,3,5-TRIMETHYLBENZENE	0.16	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	2-BUTANONE	1.6	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	2-PROPANOL	3.6	µg/m3	J	J	c
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	4-ETHYLTOLUENE	0.27	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	ETHANOL	370	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	HEXANE	0.097	µg/m3	J	J	
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15	AI	ELCIASMBL5	1510312-06A	Normal	1.61	STYRENE	0.29	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL5	1510312-06B	Normal	1.61	1,1,1-TRICHLOROETHANE	0.02	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL5	1510312-06B	Normal	1.61	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.11	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL5	1510312-06B	Normal	1.61	1,4-DICHLOROBENZENE	0.039	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL5	1510312-06B	Normal	1.61	CARBON TETRACHLORIDE	0.65	µg/m3		J	c,l
TO-15_SIM	AI	ELCIASMBL5	1510312-06B	Normal	1.61	CHLOROETHANE	0.053	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL5	1510312-06B	Normal	1.61	CHLOROFORM	0.095	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL5	1510312-06B	Normal	1.61	TETRACHLOROETHENE	0.024	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.48	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	1,2,4-TRIMETHYLBENZENE	0.12	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	1,4-DIOXANE	0.32	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	2,2,4-TRIMETHYLPENTANE	0.2	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	2-BUTANONE	1.4	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	2-PROPANOL	1.9	µg/m3	J	J	c
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	CYCLOHEXANE	0.15	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	HEPTANE	0.37	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	HEXANE	0.28	µg/m3	J	J	
TO-15	AI	ELCIASMBL1	1510312-07A	Normal	1.52	METHYLENE CHLORIDE	0.21	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	1,1,1-TRICHLOROETHANE	0.017	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	1,1-DICHLOROETHANE	0.014	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	1,2-DICHLOROETHANE	0.025	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	CARBON TETRACHLORIDE	0.62	µg/m3		J	c,l
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	CHLOROETHANE	0.025	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	CHLOROFORM	0.079	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL1	1510312-07B	Normal	1.52	TETRACHLOROETHENE	0.027	µg/m3	J	J	
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.57	µg/m3	J	J	
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	1,2,4-TRIMETHYLBENZENE	0.13	µg/m3	J	J	
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	2-BUTANONE	0.86	µg/m3	J	J	
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	2-PROPANOL	0.68	µg/m3	J	J	
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	ACETONE	8	µg/m3		J	fd
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	HEXANE	0.1	µg/m3	J	J	
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	METHYLENE CHLORIDE	0.2	µg/m3	J	U	bl
TO-15	AI	ELCIASMBL2	1510312-08A	Normal	1.43	STYRENE	0.068	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	1,1,1-TRICHLOROETHANE	0.017	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	1,2-DICHLOROETHANE	0.023	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	1,4-DICHLOROBENZENE	0.034	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	CARBON TETRACHLORIDE	0.56	µg/m3		J	c,l
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	CHLOROETHANE	0.031	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	CHLOROFORM	0.074	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	ETHYLBENZENE	0.096	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	METHYL TERT-BUTYL ETHER	0.0058	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	O-XYLENE	0.09	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2	1510312-08B	Normal	1.43	TETRACHLOROETHENE	0.015	µg/m3	J	J	
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.52	µg/m3	J	J	
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	1,2,4-TRIMETHYLBENZENE	0.16	µg/m3	J	J	
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	2-BUTANONE	1.6	µg/m3	J	J	
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	2-PROPANOL	0.7	µg/m3	J	J	c
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	4-METHYL-2-PENTANONE	0.14	µg/m3	J	J	
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	ACETONE	10	µg/m3		J	fd
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	HEXANE	0.13	µg/m3	J	J	
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	METHYLENE CHLORIDE	0.21	µg/m3	J	U	bl
TO-15	AI	ELCIASMBL2D	1510312-09A	Duplicate	1.53	STYRENE	0.09	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	1,1,1-TRICHLOROETHANE	0.02	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	1,2-DICHLOROETHANE	0.025	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	1,4-DICHLOROBENZENE	0.037	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	CARBON TETRACHLORIDE	0.55	µg/m3		J	c,l
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	CHLOROETHANE	0.035	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	CHLOROFORM	0.081	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	ETHYLBENZENE	0.1	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	M- AND P-XYLENE	0.26	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	O-XYLENE	0.13	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	TETRACHLOROETHENE	0.093	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL2D	1510312-09B	Duplicate	1.53	TRICHLOROETHENE	0.16	µg/m3	J	J	
TO-15	AI	ELCIASMBL3107	1510312-10A	Normal	1.86	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.55	µg/m3	J	J	
TO-15	AI	ELCIASMBL3107	1510312-10A	Normal	1.86	1,2,4-TRIMETHYLBENZENE	0.18	µg/m3	J	J	
TO-15	AI	ELCIASMBL3107	1510312-10A	Normal	1.86	2-BUTANONE	0.82	µg/m3	J	J	
TO-15	AI	ELCIASMBL3107	1510312-10A	Normal	1.86	2-PROPANOL	1.6	µg/m3	J	J	
TO-15	AI	ELCIASMBL3107	1510312-10A	Normal	1.86	METHYLENE CHLORIDE	0.26	µg/m3	J	U	bl
TO-15	AI	ELCIASMBL3107	1510312-10A	Normal	1.86	STYRENE	0.22	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	1,1,1-TRICHLOROETHANE	0.016	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	1,2-DICHLOROETHANE	0.03	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	CARBON TETRACHLORIDE	0.63	µg/m3		J	c,l
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	CHLOROFORM	0.087	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	ETHYLBENZENE	0.14	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	M- AND P-XYLENE	0.25	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	O-XYLENE	0.094	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3107	1510312-10B	Normal	1.86	TETRACHLOROETHENE	0.025	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.51	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	1,2,4-TRIMETHYLBENZENE	0.2	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	1,3-BUTADIENE	0.14	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	2-BUTANONE	1.5	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	4-ETHYLTOLUENE	0.15	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	4-METHYL-2-PENTANONE	0.15	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	HEPTANE	0.16	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	HEXANE	0.096	µg/m3	J	J	
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	METHYLENE CHLORIDE	0.23	µg/m3	J	U	bl
TO-15	AI	ELCIASMBL3100	1510313-01A	Normal	1.68	STYRENE	0.28	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	1,1,1-TRICHLOROETHANE	0.014	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	1,1,2,2-TETRACHLOROETHANE	0.046	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	1,2-DICHLOROETHANE	0.027	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	1,4-DICHLOROBENZENE	0.04	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	CARBON TETRACHLORIDE	0.6	µg/m3		J	c
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	CHLOROETHANE	0.033	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	CHLOROFORM	0.11	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	M- AND P-XYLENE	0.27	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	METHYL TERT-BUTYL ETHER	0.0089	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	O-XYLENE	0.1	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	TETRACHLOROETHENE	0.087	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL3100	1510313-01B	Normal	1.68	TRICHLOROETHENE	0.017	µg/m3	J	J	
TO-15	AI	ELCIASMBL4MR	1510313-02A	Normal	1.64	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.61	µg/m3	J	J	
TO-15	AI	ELCIASMBL4MR	1510313-02A	Normal	1.64	1,2,4-TRIMETHYLBENZENE	0.2	µg/m3	J	J	
TO-15	AI	ELCIASMBL4MR	1510313-02A	Normal	1.64	2-BUTANONE	0.96	µg/m3	J	J	
TO-15	AI	ELCIASMBL4MR	1510313-02A	Normal	1.64	HEPTANE	0.086	µg/m3	J	J	
TO-15	AI	ELCIASMBL4MR	1510313-02A	Normal	1.64	HEXANE	0.11	µg/m3	J	J	
TO-15	AI	ELCIASMBL4MR	1510313-02A	Normal	1.64	METHYLENE CHLORIDE	0.23	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	1,1,1-TRICHLOROETHANE	0.016	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.13	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	1,2-DICHLOROETHANE	0.026	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	1,4-DICHLOROBENZENE	0.039	µg/m3	J	U	bl
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	CARBON TETRACHLORIDE	0.51	µg/m3		J	c
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	CHLOROETHANE	0.032	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	CHLOROFORM	0.075	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	ETHYLBENZENE	0.11	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	M- AND P-XYLENE	0.26	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	O-XYLENE	0.14	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	TETRACHLOROETHENE	0.076	µg/m3	J	J	
TO-15_SIM	AI	ELCIASMBL4MR	1510313-02B	Normal	1.64	TRICHLOROETHENE	0.02	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.61	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	1,2,4-TRIMETHYLBENZENE	0.18	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	1,3-BUTADIENE	0.072	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	2,2,4-TRIMETHYLPENTANE	0.27	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	2-BUTANONE	1.2	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	4-ETHYLTOLUENE	0.18	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	4-METHYL-2-PENTANONE	0.21	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	CHLOROBENZENE	0.34	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	HEPTANE	0.26	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	HEXANE	0.19	µg/m3	J	J	
TO-15	AI	AV34IASMB	1510313-03A	Normal	1.49	STYRENE	0.18	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	1,1,1-TRICHLOROETHANE	0.018	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	1,2-DICHLOROETHANE	0.024	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	1,4-DICHLOROBENZENE	0.036	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	CARBON TETRACHLORIDE	0.6	µg/m3		J	c
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	CHLOROETHANE	0.034	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	CHLOROFORM	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	TETRACHLOROETHENE	0.054	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	TRANS-1,2-DICHLOROETHENE	0.026	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMB	1510313-03B	Normal	1.49	TRICHLOROETHENE	0.077	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.61	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	1,2,4-TRIMETHYLBENZENE	0.19	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	1,3-BUTADIENE	0.082	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	2-BUTANONE	1.4	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	4-METHYL-2-PENTANONE	0.28	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	CYCLOHEXANE	0.14	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	HEPTANE	0.27	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	HEXANE	0.13	µg/m3	J	J	
TO-15	AI	AV34IASMCS	1510313-04A	Normal	1.61	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	1,1,1-TRICHLOROETHANE	0.019	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.14	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	1,2-DICHLOROETHANE	0.026	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	1,4-DICHLOROBENZENE	0.039	µg/m3	J	U	bl
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	CARBON TETRACHLORIDE	0.56	µg/m3		J	c
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	CHLOROETHANE	0.072	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	CHLOROFORM	0.14	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	ETHYLBENZENE	0.1	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	M- AND P-XYLENE	0.24	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	O-XYLENE	0.11	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	TETRACHLOROETHENE	0.032	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	TRANS-1,2-DICHLOROETHENE	0.03	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	TRICHLOROETHENE	0.16	µg/m3	J	J	
TO-15_SIM	AI	AV34IASMCS	1510313-04B	Normal	1.61	VINYL CHLORIDE	0.013	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.63	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	1,2,4-TRIMETHYLBENZENE	0.18	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	2-BUTANONE	1.4	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	2-PROPANOL	1.1	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	4-ETHYLTOLUENE	0.16	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	ACETONE	27	µg/m3		J	fd
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	CARBON DISULFIDE	0.84	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	HEPTANE	0.095	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	HEXANE	0.11	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	METHYLENE CHLORIDE	0.22	µg/m3	J	U	bl
TO-15	AI	AV29IASMHWY1SD	1510313-05A	Duplicate	1.55	STYRENE	0.1	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	1,1,1-TRICHLOROETHANE	0.019	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	1,2-DICHLOROETHANE	0.025	µg/m3	J	U	bl
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	CARBON TETRACHLORIDE	0.57	µg/m3		J	c
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	CHLOROETHANE	0.029	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	CHLOROFORM	0.086	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	ETHYLBENZENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	O-XYLENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1SD	1510313-05B	Duplicate	1.55	TRANS-1,2-DICHLOROETHENE	0.026	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.53	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	1,2,4-TRIMETHYLBENZENE	0.18	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	1,3-BUTADIENE	0.095	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	2,2,4-TRIMETHYLPENTANE	0.25	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	2-BUTANONE	2.1	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	2-PROPANOL	1.5	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	CARBON DISULFIDE	0.45	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	HEPTANE	0.38	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	HEXANE	0.21	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1N	1510313-06A	Normal	1.55	STYRENE	0.11	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	1,1,1-TRICHLOROETHANE	0.02	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	1,2-DICHLOROETHANE	0.025	µg/m3	J	U	bl
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	CARBON TETRACHLORIDE	0.65	µg/m3		J	c
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	CHLOROETHANE	0.03	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	CHLOROFORM	0.095	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	ETHYLBENZENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	O-XYLENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1N	1510313-06B	Normal	1.55	TRANS-1,2-DICHLOROETHENE	0.024	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1S	1510313-07A	Normal	1.83	1,1,2-TRICHLORO-1,2,2-TRICHFLUOROETHANE	0.55	µg/m3	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
TO-15	AI	AV29IASMHWY1S	1510313-07A	Normal	1.83	1,2,4-TRIMETHYLBENZENE	0.21	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1S	1510313-07A	Normal	1.83	2-BUTANONE	1.3	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1S	1510313-07A	Normal	1.83	2-PROPANOL	1.3	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1S	1510313-07A	Normal	1.83	ACETONE	17	µg/m3		J	fd
TO-15	AI	AV29IASMHWY1S	1510313-07A	Normal	1.83	HEPTANE	0.15	µg/m3	J	J	
TO-15	AI	AV29IASMHWY1S	1510313-07A	Normal	1.83	METHYLENE CHLORIDE	0.25	µg/m3	J	U	bl
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	1,1,1-TRICHLOROETHANE	0.016	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	1,2-DICHLOROETHANE	0.03	µg/m3	J	U	bl
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	CARBON TETRACHLORIDE	0.62	µg/m3		J	c
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	CHLOROETHANE	0.05	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	CHLOROFORM	0.079	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	ETHYLBENZENE	0.12	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	M- AND P-XYLENE	0.3	µg/m3	J	J	
TO-15_SIM	AI	AV29IASMHWY1S	1510313-07B	Normal	1.83	O-XYLENE	0.11	µg/m3	J	J	
6020A	SO	AOPSE201	680-117942-1	Normal	10	ANTIMONY	0.79	mg/kg	J D	U	bl
6020A	SO	AOPSE201	680-117942-1	Normal	10	ARSENIC	0.79	mg/kg	J D	U	bl
6020A	SO	AOPSE201	680-117942-1	Normal	10	BERYLLIUM	0.53	mg/kg	J D	U	bl
6020A	SO	AOPSE201	680-117942-1	Normal	10	POTASSIUM	1000	mg/kg	J D	J	
6020A	SO	AOPSE201	680-117942-1	Normal	10	SELENIUM	0.32	mg/kg	J D	U	bl
6020A	SO	AOPSE201	680-117942-1	Normal	10	SILVER	0.26	mg/kg	J D	U	bl
6020A	SO	AOPSE201	680-117942-1	Normal	10	SODIUM	170	mg/kg	J D	J	
7471B	SO	AOPSE201	680-117942-1	Normal	1	MERCURY	0.021	mg/kg	J	J	
8081B	SO	AOPSE201	680-117942-1	Normal	25	4,4-DDE	0.018	mg/kg	J D	J	
8081B	SO	AOPSE201	680-117942-1	Normal	25	4,4-DDT	0.0088	mg/kg	J D	J	
8081B	SO	AOPSE201	680-117942-1	Normal	25	CHLORDANE	0.21	mg/kg	U	UJ	c
8081B	SO	AOPSE201	680-117942-1	Normal	25	CHLOROBENZILATE	1.8	mg/kg	U	UJ	c
8081B	SO	AOPSE201	680-117942-1	Normal	25	DELTA-BHC	0.016	mg/kg	U	UJ	c
8081B	SO	AOPSE201	680-117942-1	Normal	25	KEPONE	1.1	mg/kg	U Q	UJ	c
8081B	SO	AOPSE201	680-117942-1	Normal	25	TOXAPHENE	0.41	mg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	ATRAZINE	780	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	DEMETON-O	540	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	DEMETON-S	240	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	DIAZINON	400	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	DICHLORVOS	400	µg/kg	U Q	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	DIMETHOATE	400	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	DISULFOTON	400	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	MEVINPHOS	400	µg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSE201	680-117942-1	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	400	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	PHORATE	400	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	PROPAZINE	780	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	SIMAZINE	1600	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	SULFOTEPP	400	µg/kg	U	UJ	c
8141A	SO	AOPSE201	680-117942-1	Normal	10	THIONAZIN	400	µg/kg	U	UJ	c
8151A	SO	AOPSE201	680-117942-1	Normal	5	2,4-DB	0.032	mg/kg	U Q	UJ	l
8151A	SO	AOPSE201	680-117942-1	Normal	5	DALAPON	0.05	mg/kg	U	UJ	c
8270D	SO	AOPSE201	680-117942-1	Normal	1	1,1-BIPHENYL	11	mg/kg	U	UJ	m
8270D	SO	AOPSE201	680-117942-1	Normal	1	2,4,5-TRICHLOROPHENOL	0.42	mg/kg	U J	UJ	ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	2,4-DINITROPHENOL	8.2	mg/kg	U J	UJ	m
8270D	SO	AOPSE201	680-117942-1	Normal	1	2,4-DINITROTOLUENE	1.1	mg/kg	U J	UJ	ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	2-METHYLPHENOL	0.42	mg/kg	U J	UJ	ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	3- AND 4-METHYLPHENOL	0.42	mg/kg	U J	UJ	ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	3,3-DICHLOROBENZIDINE	0.42	mg/kg	U J	UJ	m,ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	3-NITROANILINE	1.1	mg/kg	U J	UJ	ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	4,6-DINITRO-2-METHYLPHENOL	2.1	mg/kg	U J	UJ	m
8270D	SO	AOPSE201	680-117942-1	Normal	1	4-CHLOROANILINE	1.1	mg/kg	U J	UJ	ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	BENZALDEHYDE	1.1	mg/kg	U Q	UJ	c
8270D	SO	AOPSE201	680-117942-1	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.54	mg/kg	J	J	
8270D	SO	AOPSE201	680-117942-1	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.42	mg/kg	U Q J	UJ	l,m
8270D	SO	AOPSE201	680-117942-1	Normal	1	PENTACHLOROPHENOL	4.2	mg/kg	U J	UJ	ld
8270D	SO	AOPSE201	680-117942-1	Normal	1	PHENOL	0.42	mg/kg	U J	UJ	ld
6020A	SO	AOPSF201	680-117942-2	Normal	10	ANTIMONY	0.72	mg/kg	J D	U	bl
6020A	SO	AOPSF201	680-117942-2	Normal	10	ARSENIC	0.72	mg/kg	J D	U	bl
6020A	SO	AOPSF201	680-117942-2	Normal	10	BERYLLIUM	0.48	mg/kg	J D	U	bl
6020A	SO	AOPSF201	680-117942-2	Normal	10	CADMIUM	0.048	mg/kg	J D	U	bl
6020A	SO	AOPSF201	680-117942-2	Normal	10	POTASSIUM	470	mg/kg	J D	J	
6020A	SO	AOPSF201	680-117942-2	Normal	10	SELENIUM	0.29	mg/kg	J D	U	bl
6020A	SO	AOPSF201	680-117942-2	Normal	10	SILVER	0.24	mg/kg	J D	U	bl
6020A	SO	AOPSF201	680-117942-2	Normal	10	SODIUM	240	mg/kg	J D	J	
7471B	SO	AOPSF201	680-117942-2	Normal	1	MERCURY	0.037	mg/kg	J	J	
8015C_G	SO	AOPSF201	680-117942-2	Normal	1	TPH-GASOLINE RANGE C6-C10	0.12	mg/kg	J Q	J	s,i
8081B	SO	AOPSF201	680-117942-2	Normal	50	CHLORDANE	0.36	mg/kg	U	UJ	c
8081B	SO	AOPSF201	680-117942-2	Normal	50	CHLOROBENZILATE	3.1	mg/kg	U	UJ	c
8081B	SO	AOPSF201	680-117942-2	Normal	50	DELTA-BHC	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSF201	680-117942-2	Normal	50	KEPONE	1.9	mg/kg	U	UJ	c
8081B	SO	AOPSF201	680-117942-2	Normal	50	TOXAPHENE	0.7	mg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSF201	680-117942-2	Normal	10	ATRAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	DEMETON-O	240	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	DIAZINON	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	DIMETHOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	DISULFOTON	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	PHORATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	PROPAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	SIMAZINE	710	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	SULFOTEPP	180	µg/kg	U	UJ	c
8141A	SO	AOPSF201	680-117942-2	Normal	10	THIONAZIN	180	µg/kg	U	UJ	c
8151A	SO	AOPSF201	680-117942-2	Normal	10	2,4-DB	0.054	mg/kg	U Q	UJ	l
8151A	SO	AOPSF201	680-117942-2	Normal	10	DALAPON	0.086	mg/kg	U	UJ	c
8151A	SO	AOPSF201	680-117942-2	Normal	10	PENTACHLOROPHENOL	0.015	mg/kg	J D	J	
8270D	SO	AOPSF201	680-117942-2	Normal	1	BENZALDEHYDE	0.92	mg/kg	U Q	UJ	c
8270D	SO	AOPSF201	680-117942-2	Normal	10	BENZO[A]PYRENE	0.11	mg/kg	J D	J	
8270D	SO	AOPSF201	680-117942-2	Normal	10	BENZO[B]FLUORANTHENE	0.18	mg/kg	J D	J	
8270D	SO	AOPSF201	680-117942-2	Normal	10	FLUORANTHENE	0.2	mg/kg	J D	J	
8270D	SO	AOPSF201	680-117942-2	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l
6020A	SO	AOPSD301	680-117942-3	Normal	10	ANTIMONY	0.67	mg/kg	J D	U	bl
6020A	SO	AOPSD301	680-117942-3	Normal	10	ARSENIC	0.67	mg/kg	J D	U	bl
6020A	SO	AOPSD301	680-117942-3	Normal	10	BERYLLIUM	0.45	mg/kg	J D	U	bl
6020A	SO	AOPSD301	680-117942-3	Normal	10	CADMIUM	0.045	mg/kg	J D	U	bl
6020A	SO	AOPSD301	680-117942-3	Normal	10	SELENIUM	0.27	mg/kg	J D	U	bl
6020A	SO	AOPSD301	680-117942-3	Normal	10	SILVER	0.22	mg/kg	J D	U	bl
6020A	SO	AOPSD301	680-117942-3	Normal	10	SODIUM	130	mg/kg	J D	J	
7471B	SO	AOPSD301	680-117942-3	Normal	1	MERCURY	0.02	mg/kg	J	J	
8081B	SO	AOPSD301	680-117942-3	Normal	50	4,4-DDE	0.065	mg/kg	J D	J	
8081B	SO	AOPSD301	680-117942-3	Normal	50	CHLORDANE	0.37	mg/kg	U	UJ	c
8081B	SO	AOPSD301	680-117942-3	Normal	50	CHLOROBENZILATE	3.2	mg/kg	U	UJ	c
8081B	SO	AOPSD301	680-117942-3	Normal	50	DELTA-BHC	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSD301	680-117942-3	Normal	50	KEPONE	1.9	mg/kg	U	UJ	c
8081B	SO	AOPSD301	680-117942-3	Normal	50	TOXAPHENE	0.71	mg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	ATRAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	DEMETON-O	240	µg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSD301	680-117942-3	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	DIAZINON	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	DIMETHOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	DISULFOTON	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	PHORATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	PROPAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	SIMAZINE	710	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	SULFOTEPP	180	µg/kg	U	UJ	c
8141A	SO	AOPSD301	680-117942-3	Normal	10	THIONAZIN	180	µg/kg	U	UJ	c
8151A	SO	AOPSD301	680-117942-3	Normal	5	2,4-DB	0.027	mg/kg	U Q	UJ	l
8151A	SO	AOPSD301	680-117942-3	Normal	5	DALAPON	0.044	mg/kg	U	UJ	c
8270D	SO	AOPSD301	680-117942-3	Normal	1	BENZALDEHYDE	0.92	mg/kg	U Q	UJ	c
8270D	SO	AOPSD301	680-117942-3	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l
6020A	SO	AOPSE301	680-117942-4	Normal	10	ANTIMONY	0.4	mg/kg	J D	J	
6020A	SO	AOPSE301	680-117942-4	Normal	10	ARSENIC	0.75	mg/kg	J D	U	bl
6020A	SO	AOPSE301	680-117942-4	Normal	10	BERYLLIUM	0.24	mg/kg	J D	J	
6020A	SO	AOPSE301	680-117942-4	Normal	10	CADMIUM	0.24	mg/kg	J D	J	
6020A	SO	AOPSE301	680-117942-4	Normal	10	POTASSIUM	920	mg/kg	J D	J	
6020A	SO	AOPSE301	680-117942-4	Normal	10	SELENIUM	0.56	mg/kg	J D	J	
6020A	SO	AOPSE301	680-117942-4	Normal	10	SILVER	0.044	mg/kg	J D	J	
6020A	SO	AOPSE301	680-117942-4	Normal	10	SODIUM	120	mg/kg	J D	J	
8081B	SO	AOPSE301	680-117942-4	Normal	25	4,4-DDE	0.0069	mg/kg	J D	J	
8081B	SO	AOPSE301	680-117942-4	Normal	25	CHLORDANE	0.18	mg/kg	U	UJ	c
8081B	SO	AOPSE301	680-117942-4	Normal	25	CHLOROBENZILATE	1.6	mg/kg	U	UJ	c
8081B	SO	AOPSE301	680-117942-4	Normal	25	DELTA-BHC	0.014	mg/kg	U	UJ	c
8081B	SO	AOPSE301	680-117942-4	Normal	25	KEPONE	0.95	mg/kg	U	UJ	c
8081B	SO	AOPSE301	680-117942-4	Normal	25	TOXAPHENE	0.35	mg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	ATRAZINE	330	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	DEMETON-O	230	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	DIAZINON	170	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	DICHLORVOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	DIMETHOATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	DISULFOTON	170	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	MEVINPHOS	170	µg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSE301	680-117942-4	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	PHORATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	PROPAZINE	330	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	SIMAZINE	680	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	SULFOTEPP	170	µg/kg	U	UJ	c
8141A	SO	AOPSE301	680-117942-4	Normal	10	THIONAZIN	170	µg/kg	U	UJ	c
8151A	SO	AOPSE301	680-117942-4	Normal	5	2,4-DB	0.028	mg/kg	U Q	UJ	l
8151A	SO	AOPSE301	680-117942-4	Normal	5	DALAPON	0.044	mg/kg	U	UJ	c
8270D	SO	AOPSE301	680-117942-4	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	l
6020A	SO	AOPSE501	680-117942-5	Normal	10	ANTIMONY	0.63	mg/kg	J D	U	bl
6020A	SO	AOPSE501	680-117942-5	Normal	10	ARSENIC	0.63	mg/kg	J D	U	bl
6020A	SO	AOPSE501	680-117942-5	Normal	10	BERYLLIUM	0.42	mg/kg	J D	U	bl
6020A	SO	AOPSE501	680-117942-5	Normal	10	CADMIUM	0.042	mg/kg	J D	U	bl
6020A	SO	AOPSE501	680-117942-5	Normal	10	POTASSIUM	580	mg/kg	J D	J	
6020A	SO	AOPSE501	680-117942-5	Normal	10	SELENIUM	0.25	mg/kg	J D	U	bl
6020A	SO	AOPSE501	680-117942-5	Normal	10	SILVER	0.21	mg/kg	J D	U	bl
6020A	SO	AOPSE501	680-117942-5	Normal	10	SODIUM	330	mg/kg	J D	J	
7471B	SO	AOPSE501	680-117942-5	Normal	1	MERCURY	0.016	mg/kg	J	J	
8081B	SO	AOPSE501	680-117942-5	Normal	50	4,4-DDE	0.037	mg/kg	J D	J	
8081B	SO	AOPSE501	680-117942-5	Normal	50	4,4-DDT	0.03	mg/kg	J D	J	
8081B	SO	AOPSE501	680-117942-5	Normal	50	CHLORDANE	0.36	mg/kg	U	UJ	c
8081B	SO	AOPSE501	680-117942-5	Normal	50	CHLOROBENZILATE	3.1	mg/kg	U	UJ	c
8081B	SO	AOPSE501	680-117942-5	Normal	50	DELTA-BHC	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSE501	680-117942-5	Normal	50	KEPONE	1.9	mg/kg	U	UJ	c
8081B	SO	AOPSE501	680-117942-5	Normal	50	TOXAPHENE	0.69	mg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	ATRAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	DEMETON-O	240	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	DIAZINON	180	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	DIMETHOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	DISULFOTON	180	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	PHORATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	PROPAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	SIMAZINE	700	µg/kg	U	UJ	c
8141A	SO	AOPSE501	680-117942-5	Normal	10	SULFOTEPP	180	µg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSE501	680-117942-5	Normal	10	THIONAZIN	180	µg/kg	U	UJ	c
8151A	SO	AOPSE501	680-117942-5	Normal	5	2,4-DB	0.027	mg/kg	U Q	UJ	l
8151A	SO	AOPSE501	680-117942-5	Normal	5	DALAPON	0.043	mg/kg	U	UJ	c
8270D	SO	AOPSE501	680-117942-5	Normal	1	BENZALDEHYDE	0.91	mg/kg	U Q	UJ	c
8270D	SO	AOPSE501	680-117942-5	Normal	10	BENZO[A]PYRENE	0.071	mg/kg	J D	J	
8270D	SO	AOPSE501	680-117942-5	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	ANTIMONY	1.4	mg/kg	J D	U	bl
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	ARSENIC	1.4	mg/kg	J D	U	bl
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	BERYLLIUM	0.92	mg/kg	J D	U	bl
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	CADMIUM	0.092	mg/kg	J D	U	bl
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	POTASSIUM	790	mg/kg	J D	J	
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	SELENIUM	0.55	mg/kg	J D	U	bl
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	SILVER	0.46	mg/kg	J D	U	bl
6020A	SO	AOPCF101	680-117942-6	Duplicate	10	SODIUM	1400	mg/kg	J D	J	
8015C_G	SO	AOPCF101	680-117942-6	Duplicate	1	TPH-GASOLINE RANGE C6-C10	0.18	mg/kg	J Q	J	s,i
8081B	SO	AOPCF101	680-117942-6	Duplicate	50	4,4-DDE	0.087	mg/kg	J D	J	
8081B	SO	AOPCF101	680-117942-6	Duplicate	50	4,4-DDT	0.06	mg/kg	J D	J	
8081B	SO	AOPCF101	680-117942-6	Duplicate	50	CHLORDANE	0.67	mg/kg	U	UJ	c
8081B	SO	AOPCF101	680-117942-6	Duplicate	50	CHLOROBENZILATE	5.8	mg/kg	U	UJ	c
8081B	SO	AOPCF101	680-117942-6	Duplicate	50	DELTA-BHC	0.05	mg/kg	U	UJ	c
8081B	SO	AOPCF101	680-117942-6	Duplicate	50	KEPONE	3.5	mg/kg	U	UJ	c
8081B	SO	AOPCF101	680-117942-6	Duplicate	50	TOXAPHENE	1.3	mg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	ATRAZINE	650	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	DEMETON-O	450	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	DEMETON-S	200	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	DIAZINON	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	DICHLORVOS	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	DIMETHOATE	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	DISULFOTON	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	MEVINPHOS	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	PHORATE	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	PROPAZINE	650	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	SIMAZINE	1300	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	SULFOTEPP	340	µg/kg	U	UJ	c
8141A	SO	AOPCF101	680-117942-6	Duplicate	10	THIONAZIN	340	µg/kg	U	UJ	c
8151A	SO	AOPCF101	680-117942-6	Duplicate	5	2,4-DB	0.05	mg/kg	U Q	UJ	l
8151A	SO	AOPCF101	680-117942-6	Duplicate	5	DALAPON	0.079	mg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPCF101	680-117942-6	Duplicate	1	BENZALDEHYDE	1.7	mg/kg	U Q	UJ	c
8270D	SO	AOPCF101	680-117942-6	Duplicate	10	BENZO[A]PYRENE	0.14	mg/kg	J D	J	
8270D	SO	AOPCF101	680-117942-6	Duplicate	1	HEXACHLOROCYCLOPENTADIENE	0.67	mg/kg	U Q	UJ	l
6020A	SO	AOPSC401	680-117942-7	Normal	10	ANTIMONY	0.3	mg/kg	J D	J	
6020A	SO	AOPSC401	680-117942-7	Normal	10	ARSENIC	0.79	mg/kg	J D	U	bl
6020A	SO	AOPSC401	680-117942-7	Normal	10	BERYLLIUM	0.21	mg/kg	J D	J	
6020A	SO	AOPSC401	680-117942-7	Normal	10	CADMIUM	0.53	mg/kg	J D	J	
6020A	SO	AOPSC401	680-117942-7	Normal	10	POTASSIUM	610	mg/kg	J D	J	
6020A	SO	AOPSC401	680-117942-7	Normal	10	SELENIUM	0.58	mg/kg	J D	J	
6020A	SO	AOPSC401	680-117942-7	Normal	10	SILVER	0.06	mg/kg	J D	J	
6020A	SO	AOPSC401	680-117942-7	Normal	10	SODIUM	110	mg/kg	J D	J	
7471B	SO	AOPSC401	680-117942-7	Normal	1	MERCURY	0.024	mg/kg	J	J	
8015C_G	SO	AOPSC401	680-117942-7	Normal	1	TPH-GASOLINE RANGE C6-C10	0.12	mg/kg	J Q	J	s,i
8081B	SO	AOPSC401	680-117942-7	Normal	25	4,4-DDE	0.013	mg/kg	J D	J	
8081B	SO	AOPSC401	680-117942-7	Normal	25	CHLORDANE	0.2	mg/kg	U	UJ	c
8081B	SO	AOPSC401	680-117942-7	Normal	25	CHLOROBENZILATE	1.7	mg/kg	U	UJ	c
8081B	SO	AOPSC401	680-117942-7	Normal	25	DELTA-BHC	0.015	mg/kg	U	UJ	c
8081B	SO	AOPSC401	680-117942-7	Normal	25	KEPONE	1	mg/kg	U	UJ	c
8081B	SO	AOPSC401	680-117942-7	Normal	25	TOXAPHENE	0.38	mg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	ATRAZINE	370	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	DEMETON-O	260	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	DIAZINON	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	DICHLORVOS	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	DIMETHOATE	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	DISULFOTON	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	MEVINPHOS	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	PHORATE	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	PROPAZINE	370	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	SIMAZINE	750	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	SULFOTEPP	190	µg/kg	U	UJ	c
8141A	SO	AOPSC401	680-117942-7	Normal	10	THIONAZIN	190	µg/kg	U	UJ	c
8151A	SO	AOPSC401	680-117942-7	Normal	1	2,4-DB	0.0058	mg/kg	U Q	UJ	l
8151A	SO	AOPSC401	680-117942-7	Normal	1	DALAPON	0.0093	mg/kg	U	UJ	c
8270D	SO	AOPSC401	680-117942-7	Normal	1	BENZALDEHYDE	0.99	mg/kg	U Q	UJ	c
8270D	SO	AOPSC401	680-117942-7	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	mg/kg	J	J	
8270D	SO	AOPSC401	680-117942-7	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.39	mg/kg	U Q	UJ	l

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSF101	680-117942-8	Normal	10	ANTIMONY	1.1	mg/kg	J D	U	bl
6020A	SO	AOPSF101	680-117942-8	Normal	10	ARSENIC	1.1	mg/kg	J D	U	bl
6020A	SO	AOPSF101	680-117942-8	Normal	10	BERYLLIUM	0.75	mg/kg	J D	U	bl
6020A	SO	AOPSF101	680-117942-8	Normal	10	CADMIUM	0.075	mg/kg	J D	U	bl
6020A	SO	AOPSF101	680-117942-8	Normal	10	POTASSIUM	610	mg/kg	J D	J	
6020A	SO	AOPSF101	680-117942-8	Normal	10	SELENIUM	0.45	mg/kg	J D	U	bl
6020A	SO	AOPSF101	680-117942-8	Normal	10	SILVER	0.38	mg/kg	J D	U	bl
6020A	SO	AOPSF101	680-117942-8	Normal	10	SODIUM	1200	mg/kg	J D	J	
8015C_G	SO	AOPSF101	680-117942-8	Normal	1	TPH-GASOLINE RANGE C6-C10	0.21	mg/kg	J Q	J	s,i
8081B	SO	AOPSF101	680-117942-8	Normal	50	4,4-DDE	0.14	mg/kg	J D	J	
8081B	SO	AOPSF101	680-117942-8	Normal	50	4,4-DDT	0.1	mg/kg	J D	J	
8081B	SO	AOPSF101	680-117942-8	Normal	50	CHLORDANE	0.6	mg/kg	U	UJ	c
8081B	SO	AOPSF101	680-117942-8	Normal	50	CHLOROBENZILATE	5.2	mg/kg	U	UJ	c
8081B	SO	AOPSF101	680-117942-8	Normal	50	DELTA-BHC	0.044	mg/kg	U	UJ	c
8081B	SO	AOPSF101	680-117942-8	Normal	50	KEPONE	3.1	mg/kg	U	UJ	c
8081B	SO	AOPSF101	680-117942-8	Normal	50	TOXAPHENE	1.2	mg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	ATRAZINE	570	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	DEMETON-O	400	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	DEMETON-S	170	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	DIAZINON	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	DICHLORVOS	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	DIMETHOATE	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	DISULFOTON	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	MEVINPHOS	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	PHORATE	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	PROPAZINE	570	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	SIMAZINE	1200	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	SULFOTEPP	290	µg/kg	U	UJ	c
8141A	SO	AOPSF101	680-117942-8	Normal	10	THIONAZIN	290	µg/kg	U	UJ	c
8151A	SO	AOPSF101	680-117942-8	Normal	10	2,4-DB	0.088	mg/kg	U Q	UJ	l
8151A	SO	AOPSF101	680-117942-8	Normal	10	DALAPON	0.14	mg/kg	U	UJ	c
8270D	SO	AOPSF101	680-117942-8	Normal	1	BENZALDEHYDE	1.5	mg/kg	U Q	UJ	c
8270D	SO	AOPSF101	680-117942-8	Normal	10	BENZO[A]PYRENE	0.2	mg/kg	J D	J	
8270D	SO	AOPSF101	680-117942-8	Normal	10	BENZO[G,H,I]PERYLENE	0.44	mg/kg	J D	J	
8270D	SO	AOPSF101	680-117942-8	Normal	10	FLUORANTHENE	0.42	mg/kg	J D	J	
8270D	SO	AOPSF101	680-117942-8	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.59	mg/kg	U Q	UJ	l
8270D	SO	AOPSF101	680-117942-8	Normal	10	INDENO[1,2,3-CD]PYRENE	0.59	mg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSF101	680-117942-8	Normal	10	PHENANTHRENE	0.25	mg/kg	J D	J	
8270D	SO	AOPSF101	680-117942-8	Normal	10	PYRENE	0.35	mg/kg	J D	J	
6020A	SO	AOPSD501	680-117942-9	Normal	10	ANTIMONY	1.2	mg/kg	J D	J	
6020A	SO	AOPSD501	680-117942-9	Normal	10	ARSENIC	0.99	mg/kg	J D	U	bl
6020A	SO	AOPSD501	680-117942-9	Normal	10	BERYLLIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSD501	680-117942-9	Normal	10	CADMIUM	0.8	mg/kg	J D	J	
6020A	SO	AOPSD501	680-117942-9	Normal	10	POTASSIUM	1200	mg/kg	J D	J	
6020A	SO	AOPSD501	680-117942-9	Normal	10	SELENIUM	0.5	mg/kg	J D	J	
6020A	SO	AOPSD501	680-117942-9	Normal	10	SILVER	0.13	mg/kg	J D	J	
6020A	SO	AOPSD501	680-117942-9	Normal	10	SODIUM	580	mg/kg	J D	J	
7471B	SO	AOPSD501	680-117942-9	Normal	1	MERCURY	0.026	mg/kg	J	J	
8015C_D	SO	AOPSD501	680-117942-9	Normal	10	TPH-C10-28	200	mg/kg	J D	J	
8081B	SO	AOPSD501	680-117942-9	Normal	25	4,4-DDE	0.017	mg/kg	J D	J	
8081B	SO	AOPSD501	680-117942-9	Normal	25	4,4-DDT	0.0095	mg/kg	J D	J	
8081B	SO	AOPSD501	680-117942-9	Normal	25	CHLORDANE	0.26	mg/kg	U	UJ	c
8081B	SO	AOPSD501	680-117942-9	Normal	25	CHLOROBENZILATE	2.3	mg/kg	U	UJ	c
8081B	SO	AOPSD501	680-117942-9	Normal	25	DELTA-BHC	0.02	mg/kg	U	UJ	c
8081B	SO	AOPSD501	680-117942-9	Normal	25	KEPONE	1.4	mg/kg	U	UJ	c
8081B	SO	AOPSD501	680-117942-9	Normal	25	TOXAPHENE	0.51	mg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	ATRAZINE	470	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	DEMETON-O	330	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	DEMETON-S	140	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	DIAZINON	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	DICHLORVOS	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	DIMETHOATE	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	DISULFOTON	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	MEVINPHOS	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	PHORATE	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	PROPAZINE	470	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	SIMAZINE	950	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	SULFOTEPP	240	µg/kg	U	UJ	c
8141A	SO	AOPSD501	680-117942-9	Normal	10	THIONAZIN	240	µg/kg	U	UJ	c
8151A	SO	AOPSD501	680-117942-9	Normal	5	2,4-DB	0.039	mg/kg	U Q	UJ	l
8151A	SO	AOPSD501	680-117942-9	Normal	5	DALAPON	0.062	mg/kg	U	UJ	c
8270D	SO	AOPSD501	680-117942-9	Normal	1	BENZALDEHYDE	1.3	mg/kg	U Q	UJ	c
8270D	SO	AOPSD501	680-117942-9	Normal	10	BENZO[A]PYRENE	0.19	mg/kg	J D	J	
8270D	SO	AOPSD501	680-117942-9	Normal	10	BENZO[B]FLUORANTHENE	0.38	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSD501	680-117942-9	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.3	mg/kg	J	J	
8270D	SO	AOPSD501	680-117942-9	Normal	10	FLUORANTHENE	0.27	mg/kg	J D	J	
8270D	SO	AOPSD501	680-117942-9	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.52	mg/kg	U Q	UJ	l
6020A	SO	AOPSD401	680-117942-10	Normal	10	ANTIMONY	0.7	mg/kg	J D	UJ	bl,fd
6020A	SO	AOPSD401	680-117942-10	Normal	10	ARSENIC	0.7	mg/kg	J D	U	bl
6020A	SO	AOPSD401	680-117942-10	Normal	10	BARIUM	25	mg/kg	D	J	fd
6020A	SO	AOPSD401	680-117942-10	Normal	10	BERYLLIUM	0.47	mg/kg	J D	U	bl
6020A	SO	AOPSD401	680-117942-10	Normal	10	CADMIUM	0.047	mg/kg	J D	U	bl
6020A	SO	AOPSD401	680-117942-10	Normal	10	POTASSIUM	870	mg/kg	J D	J	
6020A	SO	AOPSD401	680-117942-10	Normal	10	SELENIUM	0.28	mg/kg	J D	U	bl
6020A	SO	AOPSD401	680-117942-10	Normal	10	SILVER	0.23	mg/kg	J D	U	bl
6020A	SO	AOPSD401	680-117942-10	Normal	10	SODIUM	160	mg/kg	J D	J	
8081B	SO	AOPSD401	680-117942-10	Normal	25	CHLORDANE	0.19	mg/kg	U	UJ	c
8081B	SO	AOPSD401	680-117942-10	Normal	25	CHLOROBENZILATE	1.7	mg/kg	U	UJ	c
8081B	SO	AOPSD401	680-117942-10	Normal	25	DELTA-BHC	0.014	mg/kg	U	UJ	c
8081B	SO	AOPSD401	680-117942-10	Normal	25	KEPONE	1	mg/kg	U	UJ	c
8081B	SO	AOPSD401	680-117942-10	Normal	25	TOXAPHENE	0.37	mg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	ATRAZINE	340	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	DEMETON-O	240	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	DIAZINON	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	DIMETHOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	DISULFOTON	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	PHORATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	PROPAZINE	340	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	SIMAZINE	690	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	SULFOTEPP	180	µg/kg	U	UJ	c
8141A	SO	AOPSD401	680-117942-10	Normal	10	THIONAZIN	180	µg/kg	U	UJ	c
8151A	SO	AOPSD401	680-117942-10	Normal	1	2,4-DB	0.0057	mg/kg	U Q	UJ	l
8151A	SO	AOPSD401	680-117942-10	Normal	1	DALAPON	0.0091	mg/kg	U	UJ	c
8270D	SO	AOPSD401	680-117942-10	Normal	1	BENZALDEHYDE	0.96	mg/kg	U Q	UJ	c
8270D	SO	AOPSD401	680-117942-10	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.38	mg/kg	U Q	UJ	l
6020A	SO	AOPSC701	680-117942-11	Normal	10	ANTIMONY	0.81	mg/kg	J D	U	bl
6020A	SO	AOPSC701	680-117942-11	Normal	10	ARSENIC	0.81	mg/kg	J D	U	bl
6020A	SO	AOPSC701	680-117942-11	Normal	10	BERYLLIUM	0.54	mg/kg	J D	U	bl

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSC701	680-117942-11	Normal	10	CADMIUM	0.054	mg/kg	J D	U	bl
6020A	SO	AOPSC701	680-117942-11	Normal	10	POTASSIUM	830	mg/kg	J D	J	
6020A	SO	AOPSC701	680-117942-11	Normal	10	SELENIUM	0.32	mg/kg	J D	U	bl
6020A	SO	AOPSC701	680-117942-11	Normal	10	SILVER	0.27	mg/kg	J D	U	bl
6020A	SO	AOPSC701	680-117942-11	Normal	10	SODIUM	220	mg/kg	J D	J	
7471B	SO	AOPSC701	680-117942-11	Normal	1	MERCURY	0.027	mg/kg	J	J	
8081B	SO	AOPSC701	680-117942-11	Normal	25	4,4-DDE	0.012	mg/kg	J D	J	
8081B	SO	AOPSC701	680-117942-11	Normal	25	CHLORDANE	0.19	mg/kg	U	UJ	c
8081B	SO	AOPSC701	680-117942-11	Normal	25	CHLOROBENZILATE	1.7	mg/kg	U	UJ	c
8081B	SO	AOPSC701	680-117942-11	Normal	25	DELTA-BHC	0.015	mg/kg	U	UJ	c
8081B	SO	AOPSC701	680-117942-11	Normal	25	ENDRIN KETONE	0.015	mg/kg	U	UJ	c
8081B	SO	AOPSC701	680-117942-11	Normal	25	ISODRIN	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSC701	680-117942-11	Normal	25	KEPONE	1	mg/kg	U Q	UJ	c
8081B	SO	AOPSC701	680-117942-11	Normal	25	TOXAPHENE	0.38	mg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	ATRAZINE	360	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	DEMETON-O	250	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	DIAZINON	190	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	DICHLORVOS	190	µg/kg	U Q	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	DIMETHOATE	190	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	DISULFOTON	190	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	MEVINPHOS	190	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	190	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	PHORATE	190	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	PROPAZINE	360	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	SIMAZINE	740	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	SULFOTEPP	190	µg/kg	U	UJ	c
8141A	SO	AOPSC701	680-117942-11	Normal	10	THIONAZIN	190	µg/kg	U	UJ	c
8151A	SO	AOPSC701	680-117942-11	Normal	5	2,4-DB	0.029	mg/kg	U Q	UJ	l
8151A	SO	AOPSC701	680-117942-11	Normal	5	DALAPON	0.046	mg/kg	U	UJ	c
8270D	SO	AOPSC701	680-117942-11	Normal	1	BENZALDEHYDE	0.98	mg/kg	U Q	UJ	c
8270D	SO	AOPSC701	680-117942-11	Normal	10	BENZO[A]PYRENE	0.16	mg/kg	J D	J	
8270D	SO	AOPSC701	680-117942-11	Normal	10	BENZO[B]FLUORANTHENE	0.22	mg/kg	J D	J	
8270D	SO	AOPSC701	680-117942-11	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	mg/kg	J	J	
8270D	SO	AOPSC701	680-117942-11	Normal	1	BUTYLBENZYLPHTHALATE	0.15	mg/kg	J	J	
8270D	SO	AOPSC701	680-117942-11	Normal	10	FLUORANTHENE	0.27	mg/kg	J D	J	
8270D	SO	AOPSC701	680-117942-11	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.39	mg/kg	U Q	UJ	l
8270D	SO	AOPSC701	680-117942-11	Normal	10	PYRENE	0.19	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSC801	680-117942-12	Normal	10	ARSENIC	1.3	mg/kg	J D	U	bl
6020A	SO	AOPSC801	680-117942-12	Normal	10	BERYLLIUM	0.37	mg/kg	J D	J	
6020A	SO	AOPSC801	680-117942-12	Normal	10	CADMIUM	2.2	mg/kg	J D	J	
6020A	SO	AOPSC801	680-117942-12	Normal	10	POTASSIUM	1400	mg/kg	J D	J	
6020A	SO	AOPSC801	680-117942-12	Normal	10	SELENIUM	0.82	mg/kg	J D	J	
6020A	SO	AOPSC801	680-117942-12	Normal	10	SILVER	0.13	mg/kg	J D	J	
6020A	SO	AOPSC801	680-117942-12	Normal	10	SODIUM	260	mg/kg	J D	J	
7471B	SO	AOPSC801	680-117942-12	Normal	1	MERCURY	0.067	mg/kg	J	J	
8015C_D	SO	AOPSC801	680-117942-12	Normal	10	TPH-C10-28	320	mg/kg	J D	J	
8081B	SO	AOPSC801	680-117942-12	Normal	25	4,4-DDE	0.038	mg/kg	J D	J	
8081B	SO	AOPSC801	680-117942-12	Normal	25	4,4-DDT	0.056	mg/kg	J D	J	
8081B	SO	AOPSC801	680-117942-12	Normal	25	CHLORDANE	0.39	mg/kg	U	UJ	c
8081B	SO	AOPSC801	680-117942-12	Normal	25	CHLOROBENZILATE	3.4	mg/kg	U M	UJ	c
8081B	SO	AOPSC801	680-117942-12	Normal	25	DELTA-BHC	0.029	mg/kg	U	UJ	c
8081B	SO	AOPSC801	680-117942-12	Normal	25	ENDRIN KETONE	0.029	mg/kg	U	UJ	c
8081B	SO	AOPSC801	680-117942-12	Normal	25	ISODRIN	0.053	mg/kg	U	UJ	c
8081B	SO	AOPSC801	680-117942-12	Normal	25	KEPONE	2	mg/kg	U	UJ	c
8081B	SO	AOPSC801	680-117942-12	Normal	25	TOXAPHENE	0.75	mg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	ATRAZINE	740	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	DEMETON-O	520	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	DEMETON-S	230	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	DIAZINON	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	DICHLORVOS	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	DIMETHOATE	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	DISULFOTON	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	MEVINPHOS	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	PHORATE	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	PROPAZINE	740	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	SIMAZINE	1500	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	SULFOTEPP	380	µg/kg	U	UJ	c
8141A	SO	AOPSC801	680-117942-12	Normal	10	THIONAZIN	380	µg/kg	U	UJ	c
8151A	SO	AOPSC801	680-117942-12	Normal	10	2,4-DB	0.12	mg/kg	U Q	UJ	l
8151A	SO	AOPSC801	680-117942-12	Normal	10	DALAPON	0.18	mg/kg	U	UJ	c
8270D	SO	AOPSC801	680-117942-12	Normal	1	BENZALDEHYDE	2	mg/kg	J Q	UJ	bf,c
8270D	SO	AOPSC801	680-117942-12	Normal	10	BENZO[A]ANTHRACENE	0.59	mg/kg	J D	J	
8270D	SO	AOPSC801	680-117942-12	Normal	10	BENZO[A]PYRENE	0.54	mg/kg	J D	J	
8270D	SO	AOPSC801	680-117942-12	Normal	10	BENZO[K]FLUORANTHENE	0.39	mg/kg	J D M	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSC801	680-117942-12	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	1.7	mg/kg	J	J	
8270D	SO	AOPSC801	680-117942-12	Normal	10	CHRYSENE	0.74	mg/kg	J D	J	
8270D	SO	AOPSC801	680-117942-12	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.77	mg/kg	U Q	UJ	l
6020A	SO	AOPSG701	680-117942-13	Normal	10	ANTIMONY	0.68	mg/kg	J D	U	bl
6020A	SO	AOPSG701	680-117942-13	Normal	10	ARSENIC	0.68	mg/kg	J D	U	bl
6020A	SO	AOPSG701	680-117942-13	Normal	10	BERYLLIUM	0.45	mg/kg	J D	U	bl
6020A	SO	AOPSG701	680-117942-13	Normal	10	CADMIUM	0.045	mg/kg	J D	U	bl
6020A	SO	AOPSG701	680-117942-13	Normal	10	SELENIUM	0.27	mg/kg	J D	U	bl
6020A	SO	AOPSG701	680-117942-13	Normal	10	SILVER	0.23	mg/kg	J D	U	bl
6020A	SO	AOPSG701	680-117942-13	Normal	10	SODIUM	370	mg/kg	J D	J	
7471B	SO	AOPSG701	680-117942-13	Normal	1	MERCURY	0.033	mg/kg	J	J	
8015C_D	SO	AOPSG701	680-117942-13	Normal	10	TPH-C10-28	130	mg/kg	J D	J	
8081B	SO	AOPSG701	680-117942-13	Normal	50	CHLORDANE	0.36	mg/kg	U	UJ	c
8081B	SO	AOPSG701	680-117942-13	Normal	50	CHLOROBENZILATE	3.1	mg/kg	U	UJ	c
8081B	SO	AOPSG701	680-117942-13	Normal	50	DELTA-BHC	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSG701	680-117942-13	Normal	50	ENDRIN KETONE	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSG701	680-117942-13	Normal	50	ISODRIN	0.049	mg/kg	U	UJ	c
8081B	SO	AOPSG701	680-117942-13	Normal	50	KEPONE	1.9	mg/kg	U	UJ	c
8081B	SO	AOPSG701	680-117942-13	Normal	50	TOXAPHENE	0.69	mg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	ATRAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	DEMETON-O	240	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	DIAZINON	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	DIMETHOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	DISULFOTON	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	PHORATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	PROPAZINE	350	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	SIMAZINE	710	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	SULFOTEPP	180	µg/kg	U	UJ	c
8141A	SO	AOPSG701	680-117942-13	Normal	10	THIONAZIN	180	µg/kg	U	UJ	c
8151A	SO	AOPSG701	680-117942-13	Normal	10	2,4-DB	0.054	mg/kg	U Q	UJ	l
8151A	SO	AOPSG701	680-117942-13	Normal	10	DALAPON	0.087	mg/kg	U	UJ	c
8270D	SO	AOPSG701	680-117942-13	Normal	10	ANTHRACENE	0.18	mg/kg	J D	J	
8270D	SO	AOPSG701	680-117942-13	Normal	1	BENZALDEHYDE	0.92	mg/kg	U Q	UJ	c
8270D	SO	AOPSG701	680-117942-13	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	mg/kg	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSG701	680-117942-13	Normal	1	CARBAZOLE	0.16	mg/kg	J	J	
8270D	SO	AOPSG701	680-117942-13	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l
6020A	SO	AOPSG1001	680-117942-14	Normal	10	ANTIMONY	0.67	mg/kg	J D	U	bl
6020A	SO	AOPSG1001	680-117942-14	Normal	10	ARSENIC	0.67	mg/kg	J D	U	bl
6020A	SO	AOPSG1001	680-117942-14	Normal	10	BERYLLIUM	0.45	mg/kg	J D	U	bl
6020A	SO	AOPSG1001	680-117942-14	Normal	10	SELENIUM	0.27	mg/kg	J D	U	bl
6020A	SO	AOPSG1001	680-117942-14	Normal	10	SILVER	0.22	mg/kg	J D	U	bl
6020A	SO	AOPSG1001	680-117942-14	Normal	10	SODIUM	300	mg/kg	J D	J	
7471B	SO	AOPSG1001	680-117942-14	Normal	1	MERCURY	0.026	mg/kg	J	J	
8081B	SO	AOPSG1001	680-117942-14	Normal	25	4,4-DDT	0.022	mg/kg	J D	J	
8081B	SO	AOPSG1001	680-117942-14	Normal	25	CHLORDANE	0.18	mg/kg	U	UJ	c
8081B	SO	AOPSG1001	680-117942-14	Normal	25	CHLOROBENZILATE	1.6	mg/kg	U	UJ	c
8081B	SO	AOPSG1001	680-117942-14	Normal	25	DELTA-BHC	0.013	mg/kg	U	UJ	c
8081B	SO	AOPSG1001	680-117942-14	Normal	25	ENDRIN KETONE	0.013	mg/kg	U	UJ	c
8081B	SO	AOPSG1001	680-117942-14	Normal	25	ISODRIN	0.025	mg/kg	U	UJ	c
8081B	SO	AOPSG1001	680-117942-14	Normal	25	KEPONE	0.94	mg/kg	U	UJ	c
8081B	SO	AOPSG1001	680-117942-14	Normal	25	TOXAPHENE	0.35	mg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	ATRAZINE	330	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	DEMETON-O	230	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	DEMETON-S	99	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	DIAZINON	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	DICHLORVOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	DIMETHOATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	DISULFOTON	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	MEVINPHOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	PHORATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	PROPAZINE	330	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	SIMAZINE	660	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	SULFOTEPP	170	µg/kg	U	UJ	c
8141A	SO	AOPSG1001	680-117942-14	Normal	10	THIONAZIN	170	µg/kg	U	UJ	c
8151A	SO	AOPSG1001	680-117942-14	Normal	5	2,4-DB	0.027	mg/kg	U Q	UJ	l
8151A	SO	AOPSG1001	680-117942-14	Normal	5	DALAPON	0.043	mg/kg	U	UJ	c
8270D	SO	AOPSG1001	680-117942-14	Normal	1	BENZALDEHYDE	0.92	mg/kg	U Q	UJ	c
8270D	SO	AOPSG1001	680-117942-14	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l
6020A	SO	AOPSG901	680-117942-15	Normal	10	ANTIMONY	0.8	mg/kg	J D	U	bl
6020A	SO	AOPSG901	680-117942-15	Normal	10	ARSENIC	0.8	mg/kg	J D	U	bl
6020A	SO	AOPSG901	680-117942-15	Normal	10	BERYLLIUM	0.53	mg/kg	J D	U	bl

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSG901	680-117942-15	Normal	10	CADMIUM	0.053	mg/kg	J D	U	bl
6020A	SO	AOPSG901	680-117942-15	Normal	10	POTASSIUM	630	mg/kg	J D	J	
6020A	SO	AOPSG901	680-117942-15	Normal	10	SELENIUM	0.32	mg/kg	J D	U	bl
6020A	SO	AOPSG901	680-117942-15	Normal	10	SILVER	0.27	mg/kg	J D	U	bl
6020A	SO	AOPSG901	680-117942-15	Normal	10	SODIUM	150	mg/kg	J D	J	
7471B	SO	AOPSG901	680-117942-15	Normal	1	MERCURY	0.037	mg/kg	J	J	
8081B	SO	AOPSG901	680-117942-15	Normal	25	4,4-DDT	0.026	mg/kg	J D M	J	
8081B	SO	AOPSG901	680-117942-15	Normal	25	CHLORDANE	0.19	mg/kg	U	UJ	c
8081B	SO	AOPSG901	680-117942-15	Normal	25	CHLOROBENZILATE	1.7	mg/kg	U	UJ	c
8081B	SO	AOPSG901	680-117942-15	Normal	25	DELTA-BHC	0.014	mg/kg	U	UJ	c
8081B	SO	AOPSG901	680-117942-15	Normal	25	ENDRIN KETONE	0.014	mg/kg	U	UJ	c
8081B	SO	AOPSG901	680-117942-15	Normal	25	ISODRIN	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSG901	680-117942-15	Normal	25	KEPONE	1	mg/kg	U	UJ	c
8081B	SO	AOPSG901	680-117942-15	Normal	25	TOXAPHENE	0.38	mg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	ATRAZINE	360	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	DEMETON-O	250	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	DIAZINON	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	DIMETHOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	DISULFOTON	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	PHORATE	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	PROPAZINE	360	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	SIMAZINE	730	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	SULFOTEPP	180	µg/kg	U	UJ	c
8141A	SO	AOPSG901	680-117942-15	Normal	10	THIONAZIN	180	µg/kg	U	UJ	c
8151A	SO	AOPSG901	680-117942-15	Normal	5	2,4-DB	0.03	mg/kg	U Q	UJ	l
8151A	SO	AOPSG901	680-117942-15	Normal	5	DALAPON	0.047	mg/kg	U	UJ	c
8270D	SO	AOPSG901	680-117942-15	Normal	1	BENZALDEHYDE	1	mg/kg	U Q	UJ	c
8270D	SO	AOPSG901	680-117942-15	Normal	10	BENZO[A]ANTHRACENE	0.24	mg/kg	J D	J	
8270D	SO	AOPSG901	680-117942-15	Normal	10	BENZO[A]PYRENE	0.28	mg/kg	J D	J	
8270D	SO	AOPSG901	680-117942-15	Normal	10	BENZO[G,H,I]PERYLENE	0.2	mg/kg	J D	J	
8270D	SO	AOPSG901	680-117942-15	Normal	10	BENZO[K]FLUORANTHENE	0.18	mg/kg	J D M	J	
8270D	SO	AOPSG901	680-117942-15	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.25	mg/kg	J	J	
8270D	SO	AOPSG901	680-117942-15	Normal	10	CHRYSENE	0.31	mg/kg	J D	J	
8270D	SO	AOPSG901	680-117942-15	Normal	1	DI-N-BUTYLPHTHALATE	0.22	mg/kg	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSG901	680-117942-15	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.39	mg/kg	U Q	UJ	l
8270D	SO	AOPSG901	680-117942-15	Normal	10	INDENO[1,2,3-CD]PYRENE	0.21	mg/kg	J D	J	
8270D	SO	AOPSG901	680-117942-15	Normal	10	PHENANTHRENE	0.26	mg/kg	J D	J	
6020A	SO	AOPSD801	680-117942-16	Normal	10	ANTIMONY	1.4	mg/kg	J D	U	bl
6020A	SO	AOPSD801	680-117942-16	Normal	10	ARSENIC	1.4	mg/kg	J D	U	bl
6020A	SO	AOPSD801	680-117942-16	Normal	10	BERYLLIUM	0.93	mg/kg	J D	U	bl
6020A	SO	AOPSD801	680-117942-16	Normal	10	CADMIUM	0.093	mg/kg	J D	U	bl
6020A	SO	AOPSD801	680-117942-16	Normal	10	POTASSIUM	940	mg/kg	J D	J	
6020A	SO	AOPSD801	680-117942-16	Normal	10	SELENIUM	0.56	mg/kg	J D	U	bl
6020A	SO	AOPSD801	680-117942-16	Normal	10	SILVER	0.47	mg/kg	J D	U	bl
6020A	SO	AOPSD801	680-117942-16	Normal	10	SODIUM	270	mg/kg	J D	J	
7471B	SO	AOPSD801	680-117942-16	Normal	1	MERCURY	0.037	mg/kg	J	J	
8081B	SO	AOPSD801	680-117942-16	Normal	25	4,4-DDE	0.016	mg/kg	J D	J	
8081B	SO	AOPSD801	680-117942-16	Normal	25	4,4-DDT	0.012	mg/kg	J D M	J	
8081B	SO	AOPSD801	680-117942-16	Normal	25	CHLORDANE	0.32	mg/kg	U	UJ	c
8081B	SO	AOPSD801	680-117942-16	Normal	25	CHLOROBENZILATE	2.7	mg/kg	U	UJ	c
8081B	SO	AOPSD801	680-117942-16	Normal	25	DELTA-BHC	0.024	mg/kg	U	UJ	c
8081B	SO	AOPSD801	680-117942-16	Normal	25	ENDRIN KETONE	0.024	mg/kg	U	UJ	c
8081B	SO	AOPSD801	680-117942-16	Normal	25	ISODRIN	0.043	mg/kg	U	UJ	c
8081B	SO	AOPSD801	680-117942-16	Normal	25	KEPONE	1.6	mg/kg	U	UJ	c
8081B	SO	AOPSD801	680-117942-16	Normal	25	TOXAPHENE	0.61	mg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	ATRAZINE	610	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	DEMETON-O	430	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	DEMETON-S	190	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	DIAZINON	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	DICHLORVOS	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	DIMETHOATE	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	DISULFOTON	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	MEVINPHOS	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	PHORATE	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	PROPAZINE	610	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	SIMAZINE	1200	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	SULFOTEPP	320	µg/kg	U	UJ	c
8141A	SO	AOPSD801	680-117942-16	Normal	10	THIONAZIN	320	µg/kg	U	UJ	c
8151A	SO	AOPSD801	680-117942-16	Normal	10	2,4-DB	0.095	mg/kg	U Q	UJ	l
8151A	SO	AOPSD801	680-117942-16	Normal	10	DALAPON	0.15	mg/kg	U	UJ	c
8270D	SO	AOPSD801	680-117942-16	Normal	1	BENZALDEHYDE	1.6	mg/kg	U Q	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSD801	680-117942-16	Normal	10	BENZO[A]PYRENE	0.15	mg/kg	J D	J	
8270D	SO	AOPSD801	680-117942-16	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.42	mg/kg	J	J	
8270D	SO	AOPSD801	680-117942-16	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.64	mg/kg	U Q	UJ	l
6020A	SO	AOPSD701	680-117942-17	Normal	10	ANTIMONY	0.79	mg/kg	J D	U	bl
6020A	SO	AOPSD701	680-117942-17	Normal	10	ARSENIC	0.79	mg/kg	J D	U	bl
6020A	SO	AOPSD701	680-117942-17	Normal	10	BERYLLIUM	0.53	mg/kg	J D	U	bl
6020A	SO	AOPSD701	680-117942-17	Normal	10	CADMIUM	0.053	mg/kg	J D	U	bl
6020A	SO	AOPSD701	680-117942-17	Normal	10	POTASSIUM	880	mg/kg	J D	J	
6020A	SO	AOPSD701	680-117942-17	Normal	10	SELENIUM	0.32	mg/kg	J D	U	bl
6020A	SO	AOPSD701	680-117942-17	Normal	10	SILVER	0.26	mg/kg	J D	U	bl
6020A	SO	AOPSD701	680-117942-17	Normal	10	SODIUM	240	mg/kg	J D	J	
8081B	SO	AOPSD701	680-117942-17	Normal	25	4,4-DDE	0.0094	mg/kg	J D	J	
8081B	SO	AOPSD701	680-117942-17	Normal	25	ALPHA-CHLORDANE	0.0055	mg/kg	J D	J	
8081B	SO	AOPSD701	680-117942-17	Normal	25	CHLORDANE	0.18	mg/kg	U	UJ	c
8081B	SO	AOPSD701	680-117942-17	Normal	25	CHLOROBENZILATE	1.6	mg/kg	U	UJ	c
8081B	SO	AOPSD701	680-117942-17	Normal	25	DELTA-BHC	0.014	mg/kg	U	UJ	c
8081B	SO	AOPSD701	680-117942-17	Normal	25	ENDRIN KETONE	0.014	mg/kg	U	UJ	c
8081B	SO	AOPSD701	680-117942-17	Normal	25	ISODRIN	0.025	mg/kg	U	UJ	c
8081B	SO	AOPSD701	680-117942-17	Normal	25	KEPONE	0.96	mg/kg	U	UJ	c
8081B	SO	AOPSD701	680-117942-17	Normal	25	TOXAPHENE	0.35	mg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	ATRAZINE	330	µg/kg	U J	UJ	ld,c
8141A	SO	AOPSD701	680-117942-17	Normal	10	AZINPHOS ETHYL	330	µg/kg	U J	UJ	ld
8141A	SO	AOPSD701	680-117942-17	Normal	10	COUMAPHOS	80	µg/kg	U J	UJ	ld
8141A	SO	AOPSD701	680-117942-17	Normal	10	DEMETON-O	230	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	DIAZINON	170	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	DICHLORVOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	DIMETHOATE	170	µg/kg	U J	UJ	ld,c
8141A	SO	AOPSD701	680-117942-17	Normal	10	DISULFOTON	170	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	FAMPHUR	80	µg/kg	U J	UJ	ld
8141A	SO	AOPSD701	680-117942-17	Normal	10	FENSULFOTHION	170	µg/kg	U J	UJ	ld
8141A	SO	AOPSD701	680-117942-17	Normal	10	MERPHOS	170	µg/kg	U J	U	
8141A	SO	AOPSD701	680-117942-17	Normal	10	MEVINPHOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	170	µg/kg	U J	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	PHORATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	PROPAZINE	330	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	SIMAZINE	670	µg/kg	U	UJ	c
8141A	SO	AOPSD701	680-117942-17	Normal	10	SULFOTEPP	170	µg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSD701	680-117942-17	Normal	10	THIONAZIN	170	µg/kg	U	UJ	c
8151A	SO	AOPSD701	680-117942-17	Normal	5	2,4,5-T	0.027	mg/kg	U J	U	
8151A	SO	AOPSD701	680-117942-17	Normal	5	2,4-DB	0.027	mg/kg	U Q	UJ	l
8151A	SO	AOPSD701	680-117942-17	Normal	5	DALAPON	0.044	mg/kg	U J	UJ	ld,c
8151A	SO	AOPSD701	680-117942-17	Normal	5	PENTACHLOROPHENOL	0.0055	mg/kg	U J	U	
8151A	SO	AOPSD701	680-117942-17	Normal	5	SILVEX	0.027	mg/kg	U J	UJ	ld
8270D	SO	AOPSD701	680-117942-17	Normal	1	ATRAZINE	0.36	mg/kg	U	UJ	ld
8270D	SO	AOPSD701	680-117942-17	Normal	1	BENZALDEHYDE	0.92	mg/kg	U Q	UJ	c
8270D	SO	AOPSD701	680-117942-17	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l
6020A	SO	AOPSD1001	680-117942-18	Normal	10	ANTIMONY	0.86	mg/kg	J D	U	bl
6020A	SO	AOPSD1001	680-117942-18	Normal	10	ARSENIC	0.86	mg/kg	J D	U	bl
6020A	SO	AOPSD1001	680-117942-18	Normal	10	BERYLLIUM	0.57	mg/kg	J D	U	bl
6020A	SO	AOPSD1001	680-117942-18	Normal	10	CADMIUM	0.057	mg/kg	J D	U	bl
6020A	SO	AOPSD1001	680-117942-18	Normal	10	POTASSIUM	360	mg/kg	J D	J	
6020A	SO	AOPSD1001	680-117942-18	Normal	10	SELENIUM	0.34	mg/kg	J D	U	bl
6020A	SO	AOPSD1001	680-117942-18	Normal	10	SILVER	0.29	mg/kg	J D	U	bl
6020A	SO	AOPSD1001	680-117942-18	Normal	10	SODIUM	200	mg/kg	J D	J	
7471B	SO	AOPSD1001	680-117942-18	Normal	1	MERCURY	0.022	mg/kg	J	J	
8081B	SO	AOPSD1001	680-117942-18	Normal	50	CHLORDANE	0.41	mg/kg	U	UJ	c
8081B	SO	AOPSD1001	680-117942-18	Normal	50	CHLOROBENZILATE	3.5	mg/kg	U	UJ	c
8081B	SO	AOPSD1001	680-117942-18	Normal	50	DELTA-BHC	0.03	mg/kg	U	UJ	c
8081B	SO	AOPSD1001	680-117942-18	Normal	50	ENDRIN KETONE	0.03	mg/kg	U	UJ	c
8081B	SO	AOPSD1001	680-117942-18	Normal	50	ISODRIN	0.056	mg/kg	U	UJ	c
8081B	SO	AOPSD1001	680-117942-18	Normal	50	KEPONE	2.1	mg/kg	U	UJ	c
8081B	SO	AOPSD1001	680-117942-18	Normal	50	TOXAPHENE	0.79	mg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	ATRAZINE	400	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	DEMETON-O	280	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	DEMETON-S	120	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	DIAZINON	210	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	DICHLORVOS	210	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	DIMETHOATE	210	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	DISULFOTON	210	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	MEVINPHOS	210	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	210	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	PHORATE	210	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	PROPAZINE	400	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	SIMAZINE	820	µg/kg	U	UJ	c
8141A	SO	AOPSD1001	680-117942-18	Normal	10	SULFOTEPP	210	µg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSD1001	680-117942-18	Normal	10	THIONAZIN	210	µg/kg	U	UJ	c
8151A	SO	AOPSD1001	680-117942-18	Normal	10	2,4-DB	0.061	mg/kg	U Q	UJ	l
8151A	SO	AOPSD1001	680-117942-18	Normal	10	DALAPON	0.098	mg/kg	U	UJ	c
8151A	SO	AOPSD1001	680-117942-18	Normal	10	PENTACHLOROPHENOL	0.047	mg/kg	J D	J	
8270D	SO	AOPSD1001	680-117942-18	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.72	mg/kg	J	J	
8270D	SO	AOPSD1001	680-117942-18	Normal	10	DIBENZ[A,H]ANTHRACENE	0.24	mg/kg	J D	J	
8270D	SO	AOPSD1001	680-117942-18	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSD1001	680-117942-18	Normal	10	INDENO[1,2,3-CD]PYRENE	0.58	mg/kg	D	J	c
6020A	SO	AOPSG601	680-117942-19	Normal	10	ANTIMONY	0.58	mg/kg	J D	U	bl
6020A	SO	AOPSG601	680-117942-19	Normal	10	ARSENIC	0.58	mg/kg	J D	U	bl
6020A	SO	AOPSG601	680-117942-19	Normal	10	BERYLLIUM	0.39	mg/kg	J D	U	bl
6020A	SO	AOPSG601	680-117942-19	Normal	10	CADMIUM	0.039	mg/kg	J D	U	bl
6020A	SO	AOPSG601	680-117942-19	Normal	10	POTASSIUM	500	mg/kg	J D	J	
6020A	SO	AOPSG601	680-117942-19	Normal	10	SELENIUM	0.23	mg/kg	J D	U	bl
6020A	SO	AOPSG601	680-117942-19	Normal	10	SILVER	0.19	mg/kg	J D	U	bl
6020A	SO	AOPSG601	680-117942-19	Normal	10	SODIUM	320	mg/kg	J D	J	
8015C_D	SO	AOPSG601	680-117942-19	Normal	10	TPH-C10-28	130	mg/kg	J D	J	
8081B	SO	AOPSG601	680-117942-19	Normal	50	4,4-DDE	0.017	mg/kg	J D	J	
8081B	SO	AOPSG601	680-117942-19	Normal	50	4,4-DDT	0.012	mg/kg	J D	J	
8081B	SO	AOPSG601	680-117942-19	Normal	50	CHLORDANE	0.34	mg/kg	U	UJ	c
8081B	SO	AOPSG601	680-117942-19	Normal	50	CHLOROBENZILATE	2.9	mg/kg	U	UJ	c
8081B	SO	AOPSG601	680-117942-19	Normal	50	DELTA-BHC	0.025	mg/kg	U	UJ	c
8081B	SO	AOPSG601	680-117942-19	Normal	50	ENDRIN KETONE	0.025	mg/kg	U	UJ	c
8081B	SO	AOPSG601	680-117942-19	Normal	50	ISODRIN	0.046	mg/kg	U	UJ	c
8081B	SO	AOPSG601	680-117942-19	Normal	50	KEPONE	1.8	mg/kg	U	UJ	c
8081B	SO	AOPSG601	680-117942-19	Normal	50	TOXAPHENE	0.65	mg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	ATRAZINE	330	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	DEMETON-O	230	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	DIAZINON	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	DICHLORVOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	DIMETHOATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	DISULFOTON	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	MEVINPHOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	PHORATE	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	PROPAZINE	330	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	SIMAZINE	670	µg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSG601	680-117942-19	Normal	10	SULFOTEPP	170	µg/kg	U	UJ	c
8141A	SO	AOPSG601	680-117942-19	Normal	10	THIONAZIN	170	µg/kg	U	UJ	c
8151A	SO	AOPSG601	680-117942-19	Normal	10	2,4-DB	0.052	mg/kg	U Q	UJ	l
8151A	SO	AOPSG601	680-117942-19	Normal	10	DALAPON	0.083	mg/kg	U	UJ	c
8270D	SO	AOPSG601	680-117942-19	Normal	10	BENZO[A]ANTHRACENE	0.62	mg/kg	J D	J	
8270D	SO	AOPSG601	680-117942-19	Normal	10	BENZO[A]PYRENE	0.92	mg/kg	J D	J	
8270D	SO	AOPSG601	680-117942-19	Normal	10	BENZO[B]FLUORANTHENE	1.4	mg/kg	J D M	J	ld
8270D	SO	AOPSG601	680-117942-19	Normal	10	BENZO[G,H,I]PERYLENE	0.67	mg/kg	J D	J	ld
8270D	SO	AOPSG601	680-117942-19	Normal	10	BENZO[K]FLUORANTHENE	0.72	mg/kg	J D M	J	
8270D	SO	AOPSG601	680-117942-19	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.15	mg/kg	J	J	
8270D	SO	AOPSG601	680-117942-19	Normal	10	CHRYSENE	0.86	mg/kg	J D	J	
8270D	SO	AOPSG601	680-117942-19	Normal	10	DIBENZ[A,H]ANTHRACENE	0.26	mg/kg	J D	J	ld
8270D	SO	AOPSG601	680-117942-19	Normal	10	FLUORANTHENE	0.92	mg/kg	J D	J	
8270D	SO	AOPSG601	680-117942-19	Normal	10	FLUORENE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSG601	680-117942-19	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.35	mg/kg	U Q	UJ	l
8270D	SO	AOPSG601	680-117942-19	Normal	10	INDENO[1,2,3-CD]PYRENE	0.79	mg/kg	J D	J	ld,c
8270D	SO	AOPSG601	680-117942-19	Normal	10	PHENANTHRENE	0.37	mg/kg	J D	J	
8270D	SO	AOPSG601	680-117942-19	Normal	10	PYRENE	0.7	mg/kg	J D	J	
6020A	SO	AOPSF1001	680-117942-20	Normal	10	ANTIMONY	1.3	mg/kg	J D	U	bl
6020A	SO	AOPSF1001	680-117942-20	Normal	10	ARSENIC	1.3	mg/kg	J D	U	bl
6020A	SO	AOPSF1001	680-117942-20	Normal	10	BERYLLIUM	0.89	mg/kg	J D	U	bl
6020A	SO	AOPSF1001	680-117942-20	Normal	10	SELENIUM	0.54	mg/kg	J D	U	bl
6020A	SO	AOPSF1001	680-117942-20	Normal	10	SILVER	0.45	mg/kg	J D	U	bl
6020A	SO	AOPSF1001	680-117942-20	Normal	10	SODIUM	260	mg/kg	J D	J	
7471B	SO	AOPSF1001	680-117942-20	Normal	1	MERCURY	0.057	mg/kg	J	J	
8081B	SO	AOPSF1001	680-117942-20	Normal	25	4,4-DDT	0.059	mg/kg	J D M	J	
8081B	SO	AOPSF1001	680-117942-20	Normal	25	CHLORDANE	0.36	mg/kg	U	UJ	c
8081B	SO	AOPSF1001	680-117942-20	Normal	25	CHLOROBENZILATE	3.1	mg/kg	U	UJ	c
8081B	SO	AOPSF1001	680-117942-20	Normal	25	DELTA-BHC	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSF1001	680-117942-20	Normal	25	ENDRIN KETONE	0.027	mg/kg	U	UJ	c
8081B	SO	AOPSF1001	680-117942-20	Normal	25	ISODRIN	0.049	mg/kg	U	UJ	c
8081B	SO	AOPSF1001	680-117942-20	Normal	25	KEPONE	1.9	mg/kg	U	UJ	c
8081B	SO	AOPSF1001	680-117942-20	Normal	25	TOXAPHENE	0.7	mg/kg	U	UJ	c
8141A	SO	AOPSF1001	680-117942-20	Normal	10	DEMETON-S	210	µg/kg	U	UJ	c
8151A	SO	AOPSF1001	680-117942-20	Normal	10	2,4-DB	0.11	mg/kg	U Q	UJ	l
8151A	SO	AOPSF1001	680-117942-20	Normal	10	DALAPON	0.17	mg/kg	U	UJ	c
8270D	SO	AOPSF1001	680-117942-20	Normal	1	1,1-BIPHENYL	18	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.72	mg/kg	U	UJ	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSF1001	680-117942-20	Normal	1	1,4-DIOXANE	3.6	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	2,4-DINITROTOLUENE	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	2,6-DINITROTOLUENE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	2-NITROANILINE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	3,3-DICHLOROBENZIDINE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	3-NITROANILINE	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	4-CHLOROANILINE	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	4-NITROANILINE	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	ACETOPHENONE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	ATRAZINE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	BENZALDEHYDE	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	10	BENZO[A]PYRENE	0.23	mg/kg	J D	J	
8270D	SO	AOPSF1001	680-117942-20	Normal	10	BENZO[B]FLUORANTHENE	0.38	mg/kg	J D	J	
8270D	SO	AOPSF1001	680-117942-20	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	BIS(2-CHLOROETHYL)ETHER	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	1.1	mg/kg	J	J	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	BUTYLBENZYLPHTHALATE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	CAPROLACTAM	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	CARBAZOLE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	DIBENZOFURAN	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	DIETHYLPHTHALATE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	DIMETHYL PHTHALATE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	DI-N-BUTYLPHTHALATE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	DI-N-OCTYLPHTHALATE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	10	FLUORANTHENE	0.41	mg/kg	J D	J	
8270D	SO	AOPSF1001	680-117942-20	Normal	1	HEXACHLOROBENZENE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	HEXACHLOROBUTADIENE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.72	mg/kg	U Q	UJ	s,l
8270D	SO	AOPSF1001	680-117942-20	Normal	1	HEXACHLOROETHANE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	ISOPHORONE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	NITROBENZENE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	N-NITROSODINPROPYLAMINE	0.72	mg/kg	U	UJ	s
8270D	SO	AOPSF1001	680-117942-20	Normal	1	N-NITROSODIPHENYLAMINE	0.9	mg/kg	U	UJ	s
6020A	SO	AOPSG801	680-117942-21	Normal	10	ANTIMONY	0.82	mg/kg	J D	U	bl
6020A	SO	AOPSG801	680-117942-21	Normal	10	ARSENIC	0.82	mg/kg	J D	U	bl

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSG801	680-117942-21	Normal	10	BERYLLIUM	0.55	mg/kg	J D	U	bl
6020A	SO	AOPSG801	680-117942-21	Normal	10	CADMIUM	0.055	mg/kg	J D	U	bl
6020A	SO	AOPSG801	680-117942-21	Normal	10	SELENIUM	0.33	mg/kg	J D	U	bl
6020A	SO	AOPSG801	680-117942-21	Normal	10	SILVER	0.27	mg/kg	J D	U	bl
6020A	SO	AOPSG801	680-117942-21	Normal	10	SODIUM	290	mg/kg	J D	J	
7471B	SO	AOPSG801	680-117942-21	Normal	1	MERCURY	0.035	mg/kg	J	J	
8081B	SO	AOPSG801	680-117942-21	Normal	50	CHLORDANE	1.3	mg/kg	U	UJ	c
8081B	SO	AOPSG801	680-117942-21	Normal	50	CHLOROBENZILATE	11	mg/kg	U	UJ	c
8081B	SO	AOPSG801	680-117942-21	Normal	50	KEPONE	6.5	mg/kg	U	UJ	c
8081B	SO	AOPSG801	680-117942-21	Normal	50	TOXAPHENE	2.4	mg/kg	U	UJ	c
8141A	SO	AOPSG801	680-117942-21	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSG801	680-117942-21	Normal	10	DICHLORVOS	190	µg/kg	U	UJ	c
8151A	SO	AOPSG801	680-117942-21	Normal	10	2,4-DB	0.061	mg/kg	U Q	UJ	l
8151A	SO	AOPSG801	680-117942-21	Normal	10	DALAPON	0.098	mg/kg	U	UJ	c
8270D	SO	AOPSG801	680-117942-21	Normal	5	ANTHRACENE	0.1	mg/kg	J D	J	
8270D	SO	AOPSG801	680-117942-21	Normal	1	BENZALDEHYDE	1	mg/kg	U Q	UJ	c
8270D	SO	AOPSG801	680-117942-21	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.41	mg/kg	J	U	bl
8270D	SO	AOPSG801	680-117942-21	Normal	5	INDENO[1,2,3-CD]PYRENE	0.3	mg/kg	D	J	c
6020A	SO	AOPCC901	680-117942-22	Duplicate	10	ANTIMONY	0.76	mg/kg	J D	U	bl
6020A	SO	AOPCC901	680-117942-22	Duplicate	10	ARSENIC	0.76	mg/kg	J D	U	bl
6020A	SO	AOPCC901	680-117942-22	Duplicate	10	BERYLLIUM	0.5	mg/kg	J D	U	bl
6020A	SO	AOPCC901	680-117942-22	Duplicate	10	POTASSIUM	620	mg/kg	J D	J	
6020A	SO	AOPCC901	680-117942-22	Duplicate	10	SELENIUM	0.3	mg/kg	J D	U	bl
6020A	SO	AOPCC901	680-117942-22	Duplicate	10	SILVER	0.25	mg/kg	J D	U	bl
6020A	SO	AOPCC901	680-117942-22	Duplicate	10	SODIUM	280	mg/kg	J D	J	
8081B	SO	AOPCC901	680-117942-22	Duplicate	50	4,4-DDE	0.11	mg/kg	J D	J	
8081B	SO	AOPCC901	680-117942-22	Duplicate	50	CHLORDANE	1.2	mg/kg	U	UJ	c
8081B	SO	AOPCC901	680-117942-22	Duplicate	50	CHLOROBENZILATE	11	mg/kg	U	UJ	c
8081B	SO	AOPCC901	680-117942-22	Duplicate	50	KEPONE	6.4	mg/kg	U	UJ	c
8081B	SO	AOPCC901	680-117942-22	Duplicate	50	TOXAPHENE	2.4	mg/kg	U	UJ	c
8151A	SO	AOPCC901	680-117942-22	Duplicate	10	2,4-DB	0.061	mg/kg	U Q	UJ	l
8151A	SO	AOPCC901	680-117942-22	Duplicate	10	DALAPON	0.098	mg/kg	U	UJ	c
8270D	SO	AOPCC901	680-117942-22	Duplicate	1	BENZALDEHYDE	1	mg/kg	U Q	UJ	c
8270D	SO	AOPCC901	680-117942-22	Duplicate	5	BENZO[K]FLUORANTHENE	0.14	mg/kg	J D	J	
8270D	SO	AOPCC901	680-117942-22	Duplicate	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.4	mg/kg	J	U	bl
8270D	SO	AOPCC901	680-117942-22	Duplicate	5	INDENO[1,2,3-CD]PYRENE	0.11	mg/kg	J D	J	c
6020A	SO	AOPSC901	680-117942-23	Normal	10	ANTIMONY	0.74	mg/kg	J D	U	bl
6020A	SO	AOPSC901	680-117942-23	Normal	10	ARSENIC	0.74	mg/kg	J D	U	bl

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSC901	680-117942-23	Normal	10	BERYLLIUM	0.5	mg/kg	J D	U	bl
6020A	SO	AOPSC901	680-117942-23	Normal	10	POTASSIUM	910	mg/kg	J D	J	
6020A	SO	AOPSC901	680-117942-23	Normal	10	SELENIUM	0.3	mg/kg	J D	U	bl
6020A	SO	AOPSC901	680-117942-23	Normal	10	SILVER	0.25	mg/kg	J D	U	bl
6020A	SO	AOPSC901	680-117942-23	Normal	10	SODIUM	400	mg/kg	J D	J	
7471B	SO	AOPSC901	680-117942-23	Normal	1	MERCURY	0.031	mg/kg	J	J	
8081B	SO	AOPSC901	680-117942-23	Normal	50	4,4-DDE	0.11	mg/kg	J D	J	
8081B	SO	AOPSC901	680-117942-23	Normal	50	CHLORDANE	1.2	mg/kg	U	UJ	c
8081B	SO	AOPSC901	680-117942-23	Normal	50	CHLOROBENZILATE	10	mg/kg	U	UJ	c
8081B	SO	AOPSC901	680-117942-23	Normal	50	KEPONE	6.3	mg/kg	U	UJ	c
8081B	SO	AOPSC901	680-117942-23	Normal	50	TOXAPHENE	2.3	mg/kg	U	UJ	c
8141A	SO	AOPSC901	680-117942-23	Normal	10	DEMETON-S	110	µg/kg	U	UJ	c
8141A	SO	AOPSC901	680-117942-23	Normal	10	DICHLORVOS	190	µg/kg	U	UJ	c
8151A	SO	AOPSC901	680-117942-23	Normal	10	2,4-DB	0.058	mg/kg	U Q	UJ	l
8151A	SO	AOPSC901	680-117942-23	Normal	10	DALAPON	0.094	mg/kg	U	UJ	c
8270D	SO	AOPSC901	680-117942-23	Normal	1	BENZALDEHYDE	0.99	mg/kg	U Q	UJ	c
8270D	SO	AOPSC901	680-117942-23	Normal	5	BENZO[A]PYRENE	0.056	mg/kg	J D	J	
8270D	SO	AOPSC901	680-117942-23	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.39	mg/kg	J	U	bl
8270D	SO	AOPSC901	680-117942-23	Normal	5	INDENO[1,2,3-CD]PYRENE	0.2	mg/kg	U	UJ	c
6020A	SO	AOPSE401	680-117942-24	Normal	10	ANTIMONY	0.14	mg/kg	J D	J	
6020A	SO	AOPSE401	680-117942-24	Normal	10	ARSENIC	3	mg/kg	J D	J	
6020A	SO	AOPSE401	680-117942-24	Normal	10	BERYLLIUM	0.5	mg/kg	J D	J	
6020A	SO	AOPSE401	680-117942-24	Normal	10	CADMIUM	0.059	mg/kg	J D	U	bl
6020A	SO	AOPSE401	680-117942-24	Normal	10	SELENIUM	0.69	mg/kg	J D	J	
6020A	SO	AOPSE401	680-117942-24	Normal	10	SILVER	0.039	mg/kg	J D	J	
6020A	SO	AOPSE401	680-117942-24	Normal	10	SODIUM	240	mg/kg	J D	J	
6020A	SO	AOPSE401	680-117942-24	Normal	10	THALLIUM	0.12	mg/kg	J D	J	
7471B	SO	AOPSE401	680-117942-24	Normal	1	MERCURY	0.018	mg/kg	J	J	
8081B	SO	AOPSE401	680-117942-24	Normal	1	AROCLOR-1232	0.049	mg/kg	U	UJ	c
8081B	SO	AOPSE401	680-117942-24	Normal	1	CHLORDANE	0.025	mg/kg	U	UJ	c
8081B	SO	AOPSE401	680-117942-24	Normal	1	CHLOROBENZILATE	0.22	mg/kg	U Q	UJ	c
8081B	SO	AOPSE401	680-117942-24	Normal	1	KEPONE	0.13	mg/kg	U Q	UJ	c
8081B	SO	AOPSE401	680-117942-24	Normal	1	TOXAPHENE	0.049	mg/kg	U	UJ	c
8141A	SO	AOPSE401	680-117942-24	Normal	10	ATRAZINE	410	µg/kg	U	UJ	c
8151A	SO	AOPSE401	680-117942-24	Normal	1	2,4-DB	0.0061	mg/kg	U Q	UJ	l
8151A	SO	AOPSE401	680-117942-24	Normal	1	DALAPON	0.0098	mg/kg	U	UJ	c
8270D	SO	AOPSE401	680-117942-24	Normal	1	BENZALDEHYDE	1	mg/kg	U Q	UJ	c
8270D	SO	AOPSE401	680-117942-24	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.4	mg/kg	J	U	bl

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSE401	680-117942-24	Normal	5	INDENO[1,2,3-CD]PYRENE	0.2	mg/kg	U	UJ	c
6020A	SO	AOPSB701	680-117942-25	Normal	10	ANTIMONY	0.16	mg/kg	J D	J	
6020A	SO	AOPSB701	680-117942-25	Normal	10	ARSENIC	0.69	mg/kg	J D	U	bl
6020A	SO	AOPSB701	680-117942-25	Normal	10	BERYLLIUM	0.29	mg/kg	J D	J	
6020A	SO	AOPSB701	680-117942-25	Normal	10	CADMIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSB701	680-117942-25	Normal	10	SELENIUM	0.44	mg/kg	J D	J	
6020A	SO	AOPSB701	680-117942-25	Normal	10	SILVER	0.087	mg/kg	J D	J	
6020A	SO	AOPSB701	680-117942-25	Normal	10	SODIUM	500	mg/kg	J D	J	
7471B	SO	AOPSB701	680-117942-25	Normal	1	MERCURY	0.061	mg/kg	J	J	
8081B	SO	AOPSB701	680-117942-25	Normal	5	4,4-DDE	0.0071	mg/kg	J D	J	
8081B	SO	AOPSB701	680-117942-25	Normal	5	4,4-DDT	0.0057	mg/kg	J D	J	
8081B	SO	AOPSB701	680-117942-25	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSB701	680-117942-25	Normal	5	CHLOROBENZILATE	0.96	mg/kg	U	UJ	c
8081B	SO	AOPSB701	680-117942-25	Normal	5	KEPONE	0.58	mg/kg	U	UJ	c
8081B	SO	AOPSB701	680-117942-25	Normal	5	TOXAPHENE	0.22	mg/kg	U	UJ	c
8141A	SO	AOPSB701	680-117942-25	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSB701	680-117942-25	Normal	10	DICHLORVOS	170	µg/kg	U	UJ	c
8151A	SO	AOPSB701	680-117942-25	Normal	5	2,4-DB	0.027	mg/kg	U Q	UJ	l
8151A	SO	AOPSB701	680-117942-25	Normal	5	DALAPON	0.044	mg/kg	U	UJ	c
8270D	SO	AOPSB701	680-117942-25	Normal	1	BENZALDEHYDE	0.87	mg/kg	U Q	UJ	c
8270D	SO	AOPSB701	680-117942-25	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.34	mg/kg	J	U	bl
8270D	SO	AOPSB701	680-117942-25	Normal	5	INDENO[1,2,3-CD]PYRENE	0.19	mg/kg	U	UJ	c
6020A	SO	AOPSD901	680-117942-26	Normal	10	ALUMINUM	7900	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	ANTIMONY	0.91	mg/kg	D J	UJ	bl,ld
6020A	SO	AOPSD901	680-117942-26	Normal	10	ARSENIC	0.91	mg/kg	D J	U	bl
6020A	SO	AOPSD901	680-117942-26	Normal	10	BARIUM	1200	mg/kg	D J	J	ld
6020A	SO	AOPSD901	680-117942-26	Normal	10	BERYLLIUM	0.6	mg/kg	J D	U	bl
6020A	SO	AOPSD901	680-117942-26	Normal	10	CADMIUM	0.06	mg/kg	D J	U	bl
6020A	SO	AOPSD901	680-117942-26	Normal	50	CALCIUM	130000	mg/kg	J D	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	CHROMIUM, TOTAL	140	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	COBALT	16	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	COPPER	28	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	IRON	17000	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	LEAD	110	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	MAGNESIUM	36000	mg/kg	D J	J	pe
6020A	SO	AOPSD901	680-117942-26	Normal	10	MANGANESE	340	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	NICKEL	290	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	POTASSIUM	610	mg/kg	D J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSD901	680-117942-26	Normal	10	SELENIUM	0.36	mg/kg	D J	U	bl
6020A	SO	AOPSD901	680-117942-26	Normal	10	SILVER	0.3	mg/kg	D J	U	bl
6020A	SO	AOPSD901	680-117942-26	Normal	10	SODIUM	270	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	THALLIUM	0.91	mg/kg	U J	U	
6020A	SO	AOPSD901	680-117942-26	Normal	10	VANADIUM	39	mg/kg	D J	J	
6020A	SO	AOPSD901	680-117942-26	Normal	10	ZINC	440	mg/kg	D J	J	
8081B	SO	AOPSD901	680-117942-26	Normal	50	4,4-DDE	0.16	mg/kg	D J	J	
8081B	SO	AOPSD901	680-117942-26	Normal	50	4,4-DDT	0.081	mg/kg	D J	J	r
8081B	SO	AOPSD901	680-117942-26	Normal	50	CHLORDANE	1.5	mg/kg	U	UJ	c
8081B	SO	AOPSD901	680-117942-26	Normal	50	CHLOROBENZILATE	13	mg/kg	U	UJ	c
8081B	SO	AOPSD901	680-117942-26	Normal	50	KEPONE	7.8	mg/kg	U	UJ	c
8081B	SO	AOPSD901	680-117942-26	Normal	50	TOXAPHENE	2.9	mg/kg	U	UJ	c
8141A	SO	AOPSD901	680-117942-26	Normal	10	ATRAZINE	480	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	AZINPHOS ETHYL	480	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	BOLSTAR	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	CHLORPYRIFOS	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	DEMETON	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	DEMETON-S	140	µg/kg	U	UJ	c
8141A	SO	AOPSD901	680-117942-26	Normal	10	DIAZINON	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	DICHLORVOS	250	µg/kg	U	UJ	c
8141A	SO	AOPSD901	680-117942-26	Normal	10	DIMETHOATE	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	DISULFOTON	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	ETHOPROP	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	FAMPHUR	120	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	FENSULFOTHION	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	FENTHION	480	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	MALATHION	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	MERPHOS	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	METHYL PARATHION	250	µg/kg	U J	UJ	ld
8141A	SO	AOPSD901	680-117942-26	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	PARATHION	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	PHORATE	250	µg/kg	U J	UJ	ld
8141A	SO	AOPSD901	680-117942-26	Normal	10	PROPAZINE	480	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	SULFOTEPP	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	TETRACHLOROVINPHOS (MIXED ISOMERS)	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	THIONAZIN	250	µg/kg	U J	U	
8141A	SO	AOPSD901	680-117942-26	Normal	10	TRICHLORONATE	250	µg/kg	U J	U	
8151A	SO	AOPSD901	680-117942-26	Normal	10	2,4-D	0.075	mg/kg	U J	U	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8151A	SO	AOPSD901	680-117942-26	Normal	10	2,4-DB	0.075	mg/kg	U Q J	UJ	l
8151A	SO	AOPSD901	680-117942-26	Normal	10	DALAPON	0.12	mg/kg	U J	UJ	c
8151A	SO	AOPSD901	680-117942-26	Normal	10	DICAMBA	0.075	mg/kg	U J	U	
8151A	SO	AOPSD901	680-117942-26	Normal	10	DICHLOROPROP	0.03	mg/kg	U J	U	
8151A	SO	AOPSD901	680-117942-26	Normal	10	DINOSEB	0.075	mg/kg	U J	U	
8151A	SO	AOPSD901	680-117942-26	Normal	10	MCPA	7.2	mg/kg	U J	U	
8151A	SO	AOPSD901	680-117942-26	Normal	10	MCPP	7.2	mg/kg	U J	U	
8151A	SO	AOPSD901	680-117942-26	Normal	10	PENTACHLOROPHENOL	0.015	mg/kg	D J	J	
8151A	SO	AOPSD901	680-117942-26	Normal	10	SILVEX	0.075	mg/kg	U J	U	
8270D	SO	AOPSD901	680-117942-26	Normal	1	BENZALDEHYDE	1.2	mg/kg	U Q	UJ	c
8270D	SO	AOPSD901	680-117942-26	Normal	5	BENZO[A]PYRENE	0.15	mg/kg	J D	J	
8270D	SO	AOPSD901	680-117942-26	Normal	5	BENZO[G,H,I]PERYLENE	0.26	mg/kg	U J	U	
8270D	SO	AOPSD901	680-117942-26	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.48	mg/kg	J	U	bl
8270D	SO	AOPSD901	680-117942-26	Normal	5	CHRYSENE	0.17	mg/kg	J D	J	
8270D	SO	AOPSD901	680-117942-26	Normal	5	DIBENZ[A,H]ANTHRACENE	0.26	mg/kg	U J	U	
8270D	SO	AOPSD901	680-117942-26	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.48	mg/kg	U J	UJ	m
8270D	SO	AOPSD901	680-117942-26	Normal	5	INDENO[1,2,3-CD]PYRENE	0.26	mg/kg	U J	UJ	c
8270D	SO	AOPSD901	680-117942-26	Normal	5	PHENANTHRENE	0.13	mg/kg	J D	J	
8270D	SO	AOPSD901	680-117942-26	Normal	5	PYRENE	0.2	mg/kg	J D	J	
6020A	SO	AOPSA601	680-117942-27	Normal	10	ANTIMONY	0.27	mg/kg	J D	J	
6020A	SO	AOPSA601	680-117942-27	Normal	10	ARSENIC	3.6	mg/kg	J D	J	
6020A	SO	AOPSA601	680-117942-27	Normal	10	BERYLLIUM	0.4	mg/kg	J D	J	
6020A	SO	AOPSA601	680-117942-27	Normal	10	CADMIUM	0.056	mg/kg	J D	U	bl
6020A	SO	AOPSA601	680-117942-27	Normal	10	SELENIUM	0.75	mg/kg	J D	J	
6020A	SO	AOPSA601	680-117942-27	Normal	10	SILVER	0.081	mg/kg	J D	J	
7471B	SO	AOPSA601	680-117942-27	Normal	1	MERCURY	0.033	mg/kg	J	J	
8081B	SO	AOPSA601	680-117942-27	Normal	25	4,4-DDE	0.16	mg/kg	J D	J	
8081B	SO	AOPSA601	680-117942-27	Normal	25	4,4-DDT	0.063	mg/kg	J D	J	
8081B	SO	AOPSA601	680-117942-27	Normal	25	CHLORDANE	0.67	mg/kg	U	UJ	c
8081B	SO	AOPSA601	680-117942-27	Normal	25	CHLOROBENZILATE	5.8	mg/kg	U	UJ	c
8081B	SO	AOPSA601	680-117942-27	Normal	25	DIELDRIN	0.029	mg/kg	J D	J	
8081B	SO	AOPSA601	680-117942-27	Normal	25	KEPONE	3.5	mg/kg	U	UJ	c
8081B	SO	AOPSA601	680-117942-27	Normal	25	TOXAPHENE	1.3	mg/kg	U	UJ	c
8141A	SO	AOPSA601	680-117942-27	Normal	10	DEMETON-S	130	µg/kg	U	UJ	c
8141A	SO	AOPSA601	680-117942-27	Normal	10	DICHLORVOS	220	µg/kg	U	UJ	c
8151A	SO	AOPSA601	680-117942-27	Normal	10	2,4-DB	0.067	mg/kg	U Q	UJ	l
8151A	SO	AOPSA601	680-117942-27	Normal	10	DALAPON	0.11	mg/kg	U	UJ	c
8270D	SO	AOPSA601	680-117942-27	Normal	1	BENZALDEHYDE	1.1	mg/kg	U Q	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSA601	680-117942-27	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.42	mg/kg	J	U	bl
8270D	SO	AOPSA601	680-117942-27	Normal	5	INDENO[1,2,3-CD]PYRENE	0.15	mg/kg	J D	J	c
6020A	SO	AOPSB501	680-117942-28	Normal	10	ANTIMONY	0.85	mg/kg	J D	J	
6020A	SO	AOPSB501	680-117942-28	Normal	10	ARSENIC	1.8	mg/kg	J D	J	
6020A	SO	AOPSB501	680-117942-28	Normal	10	BERYLLIUM	0.23	mg/kg	J D	J	
6020A	SO	AOPSB501	680-117942-28	Normal	10	CADMIUM	0.045	mg/kg	J D	U	bl
6020A	SO	AOPSB501	680-117942-28	Normal	10	POTASSIUM	750	mg/kg	J D	J	
6020A	SO	AOPSB501	680-117942-28	Normal	10	SELENIUM	0.68	mg/kg	J D	J	
6020A	SO	AOPSB501	680-117942-28	Normal	10	SILVER	0.13	mg/kg	J D	J	
6020A	SO	AOPSB501	680-117942-28	Normal	10	SODIUM	500	mg/kg	J D	J	
6020A	SO	AOPSB501	680-117942-28	Normal	10	THALLIUM	0.14	mg/kg	J D	J	
7471B	SO	AOPSB501	680-117942-28	Normal	1	MERCURY	0.025	mg/kg	J	J	
8015C_D	SO	AOPSB501	680-117942-28	Normal	10	TPH-C10-28	130	mg/kg	J D	J	
8081B	SO	AOPSB501	680-117942-28	Normal	50	CHLORDANE	1.1	mg/kg	U	UJ	c
8081B	SO	AOPSB501	680-117942-28	Normal	50	CHLOROBENZILATE	9.2	mg/kg	U	UJ	c
8081B	SO	AOPSB501	680-117942-28	Normal	50	KEPONE	5.5	mg/kg	U	UJ	c
8081B	SO	AOPSB501	680-117942-28	Normal	50	TOXAPHENE	2.1	mg/kg	U	UJ	c
8141A	SO	AOPSB501	680-117942-28	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSB501	680-117942-28	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8151A	SO	AOPSB501	680-117942-28	Normal	10	2,4-DB	0.053	mg/kg	U Q	UJ	l
8151A	SO	AOPSB501	680-117942-28	Normal	10	DALAPON	0.085	mg/kg	U	UJ	c
8270D	SO	AOPSB501	680-117942-28	Normal	1	1,1-BIPHENYL	8.4	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	1,4-DIOXANE	1.6	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	2,4-DINITROTOLUENE	0.84	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	2,6-DINITROTOLUENE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	2-NITROANILINE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	3,3-DICHLOROBENZIDINE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	3-NITROANILINE	0.84	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	4-CHLOROANILINE	1.1	mg/kg	J	J	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	4-NITROANILINE	0.84	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	ACETOPHENONE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	ATRAZINE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	BENZALDEHYDE	0.84	mg/kg	U Q	UJ	s,c
8270D	SO	AOPSB501	680-117942-28	Normal	5	BENZO[A]PYRENE	0.051	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSB501	680-117942-28	Normal	5	BENZO[B]FLUORANTHENE	0.11	mg/kg	J D	J	
8270D	SO	AOPSB501	680-117942-28	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	BIS(2-CHLOROETHYL)ETHER	0.84	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.33	mg/kg	J	UJ	bl,s
8270D	SO	AOPSB501	680-117942-28	Normal	1	BUTYLBENZYLPHTHALATE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	CAPROLACTAM	0.84	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	CARBAZOLE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	DIBENZOFURAN	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	DIETHYLPHTHALATE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	DIMETHYL PHTHALATE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	DI-N-BUTYLPHTHALATE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	DI-N-OCTYLPHTHALATE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	5	FLUORANTHENE	0.13	mg/kg	J D	J	
8270D	SO	AOPSB501	680-117942-28	Normal	1	HEXACHLOROBENZENE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	HEXACHLOROBUTADIENE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	HEXACHLOROETHANE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	5	INDENO[1,2,3-CD]PYRENE	0.18	mg/kg	U	UJ	c
8270D	SO	AOPSB501	680-117942-28	Normal	1	ISOPHORONE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	NITROBENZENE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	N-NITROSODINPROPYLAMINE	0.33	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	1	N-NITROSODIPHENYLAMINE	0.41	mg/kg	U	UJ	s
8270D	SO	AOPSB501	680-117942-28	Normal	5	PYRENE	0.09	mg/kg	J D	J	
6020A	SO	AOPSM601	680-117942-29	Normal	10	ANTIMONY	0.21	mg/kg	J D	J	
6020A	SO	AOPSM601	680-117942-29	Normal	10	BERYLLIUM	0.23	mg/kg	J D	J	
6020A	SO	AOPSM601	680-117942-29	Normal	10	CADMIUM	0.23	mg/kg	J D	J	
6020A	SO	AOPSM601	680-117942-29	Normal	10	SELENIUM	0.48	mg/kg	J D	J	
6020A	SO	AOPSM601	680-117942-29	Normal	10	SILVER	0.053	mg/kg	J D	J	
6020A	SO	AOPSM601	680-117942-29	Normal	10	SODIUM	290	mg/kg	J D	J	
8081B	SO	AOPSM601	680-117942-29	Normal	25	4,4-DDT	0.11	mg/kg	J D	J	
8081B	SO	AOPSM601	680-117942-29	Normal	25	CHLORDANE	0.56	mg/kg	U	UJ	c
8081B	SO	AOPSM601	680-117942-29	Normal	25	CHLOROBENZILATE	4.9	mg/kg	U	UJ	c
8081B	SO	AOPSM601	680-117942-29	Normal	25	KEPONE	2.9	mg/kg	U	UJ	c
8081B	SO	AOPSM601	680-117942-29	Normal	25	TOXAPHENE	1.1	mg/kg	U	UJ	c
8141A	SO	AOPSM601	680-117942-29	Normal	10	DEMETON-S	100	µg/kg	U	UJ	c
8141A	SO	AOPSM601	680-117942-29	Normal	10	DICHLORVOS	170	µg/kg	U	UJ	c
8141A	SO	AOPSM601	680-117942-29	Normal	100	NALED	6900	µg/kg	U	UJ	c
8151A	SO	AOPSM601	680-117942-29	Normal	5	2,4-DB	0.028	mg/kg	U Q	UJ	l

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8151A	SO	AOPSM601	680-117942-29	Normal	5	DALAPON	0.045	mg/kg	U	UJ	c
8270D	SO	AOPSM601	680-117942-29	Normal	1	BENZALDEHYDE	0.88	mg/kg	U Q	UJ	c
8270D	SO	AOPSM601	680-117942-29	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.35	mg/kg	J	U	bl
8270D	SO	AOPSM601	680-117942-29	Normal	5	INDENO[1,2,3-CD]PYRENE	0.18	mg/kg	U	UJ	c
6020A	SO	AOPSM801	680-117942-30	Normal	10	ANTIMONY	0.29	mg/kg	J D	J	
6020A	SO	AOPSM801	680-117942-30	Normal	10	ARSENIC	0.76	mg/kg	J D	U	bl
6020A	SO	AOPSM801	680-117942-30	Normal	10	BERYLLIUM	0.24	mg/kg	J D	J	
6020A	SO	AOPSM801	680-117942-30	Normal	10	CADMIUM	0.36	mg/kg	J D	J	
6020A	SO	AOPSM801	680-117942-30	Normal	10	SELENIUM	0.43	mg/kg	J D	J	
6020A	SO	AOPSM801	680-117942-30	Normal	10	SILVER	0.4	mg/kg	J D	J	
6020A	SO	AOPSM801	680-117942-30	Normal	10	SODIUM	180	mg/kg	J D	J	
7471B	SO	AOPSM801	680-117942-30	Normal	1	MERCURY	0.43	mg/kg		J	fd
8015C_D	SO	AOPSM801	680-117942-30	Normal	10	JET FUEL JP-5	210	mg/kg	U Q	UJ	c
8081B	SO	AOPSM801	680-117942-30	Normal	25	ALPHA-CHLORDANE	0.046	mg/kg	J D	J	r
8081B	SO	AOPSM801	680-117942-30	Normal	25	CHLORDANE	0.64	mg/kg	U	UJ	c
8081B	SO	AOPSM801	680-117942-30	Normal	25	CHLOROBENZILATE	5.5	mg/kg	U	UJ	c
8081B	SO	AOPSM801	680-117942-30	Normal	25	GAMMA-CHLORDANE	0.025	mg/kg	J D	J	
8081B	SO	AOPSM801	680-117942-30	Normal	25	KEPONE	3.3	mg/kg	U	UJ	c
8081B	SO	AOPSM801	680-117942-30	Normal	25	TOXAPHENE	1.2	mg/kg	U	UJ	c
8141A	SO	AOPSM801	680-117942-30	Normal	10	DEMETON-S	120	µg/kg	U	UJ	c
8141A	SO	AOPSM801	680-117942-30	Normal	10	DICHLORVOS	210	µg/kg	U	UJ	c
8141A	SO	AOPSM801	680-117942-30	Normal	100	NALED	8200	µg/kg	U	UJ	c
8151A	SO	AOPSM801	680-117942-30	Normal	10	2,4-DB	0.063	mg/kg	U Q	UJ	l
8151A	SO	AOPSM801	680-117942-30	Normal	10	DALAPON	0.1	mg/kg	U	UJ	c
8270D	SO	AOPSM801	680-117942-30	Normal	1	BENZALDEHYDE	1.1	mg/kg	U Q	UJ	c
8270D	SO	AOPSM801	680-117942-30	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.41	mg/kg	J	U	bl
8270D	SO	AOPSM801	680-117942-30	Normal	5	INDENO[1,2,3-CD]PYRENE	0.22	mg/kg	U	UJ	c
6020A	SO	AOPCM801	680-117942-31	Duplicate	10	ANTIMONY	0.24	mg/kg	J D	J	
6020A	SO	AOPCM801	680-117942-31	Duplicate	10	ARSENIC	0.9	mg/kg	J D	U	bl
6020A	SO	AOPCM801	680-117942-31	Duplicate	10	BERYLLIUM	0.2	mg/kg	J D	J	
6020A	SO	AOPCM801	680-117942-31	Duplicate	10	CADMIUM	0.32	mg/kg	J D	J	
6020A	SO	AOPCM801	680-117942-31	Duplicate	10	SELENIUM	0.43	mg/kg	J D	J	
6020A	SO	AOPCM801	680-117942-31	Duplicate	10	SILVER	0.34	mg/kg	J D	J	
6020A	SO	AOPCM801	680-117942-31	Duplicate	10	SODIUM	150	mg/kg	J D	J	
7471B	SO	AOPCM801	680-117942-31	Duplicate	1	MERCURY	0.8	mg/kg		J	fd
8015C_D	SO	AOPCM801	680-117942-31	Duplicate	10	JET FUEL JP-5	210	mg/kg	U Q	UJ	c
8081B	SO	AOPCM801	680-117942-31	Duplicate	25	ALPHA-CHLORDANE	0.045	mg/kg	J D	J	c,r
8081B	SO	AOPCM801	680-117942-31	Duplicate	25	CHLORDANE	0.64	mg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8081B	SO	AOPCM801	680-117942-31	Duplicate	25	CHLOROBENZILATE	5.6	mg/kg	U	UJ	c
8081B	SO	AOPCM801	680-117942-31	Duplicate	25	GAMMA-CHLORDANE	0.023	mg/kg	J D	J	
8081B	SO	AOPCM801	680-117942-31	Duplicate	25	KEPONE	3.4	mg/kg	U	UJ	c
8081B	SO	AOPCM801	680-117942-31	Duplicate	25	TOXAPHENE	1.2	mg/kg	U	UJ	c
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	ATRAZINE	410	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	AZINPHOS ETHYL	410	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	AZINPHOS METHYL	100	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	BOLSTAR	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	CHLORPYRIFOS	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	COUMAPHOS	100	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	DEMETON	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	DEMETON-O	290	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	DEMETON-S	130	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	DIAZINON	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	DICHLORVOS	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	DIMETHOATE	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	DISULFOTON	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	EPN	100	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	ETHOPROP	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	FAMPHUR	100	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	FENSULFOTHION	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	FENTHION	410	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	MALATHION	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	MERPHOS	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	METHYL PARATHION	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	MEVINPHOS	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	100	NALED	8400	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	PARATHION	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	PHORATE	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	PHOSMET	840	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	PROPAZINE	410	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	PROTHIOPHOS	100	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	RONNEL	410	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	SIMAZINE	840	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	SULFOTEPP	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	TETRACHLOROVINPHOS (MIXED ISOMERS)	210	µg/kg	U H	UJ	h
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	THIONAZIN	210	µg/kg	U H	UJ	h

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPCM801	680-117942-31	Duplicate	10	TRICHLORONATE	210	µg/kg	U H	UJ	h
8151A	SO	AOPCM801	680-117942-31	Duplicate	10	2,4-DB	0.063	mg/kg	U Q	UJ	l
8151A	SO	AOPCM801	680-117942-31	Duplicate	10	DALAPON	0.1	mg/kg	U	UJ	c
8270D	SO	AOPCM801	680-117942-31	Duplicate	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.42	mg/kg	J	U	bl
8270D	SO	AOPCM801	680-117942-31	Duplicate	5	INDENO[1,2,3-CD]PYRENE	0.22	mg/kg	U	UJ	c
6020A	SO	AOPSM701	680-117942-32	Normal	10	ANTIMONY	0.46	mg/kg	J D	J	
6020A	SO	AOPSM701	680-117942-32	Normal	10	ARSENIC	0.88	mg/kg	J D	U	bl
6020A	SO	AOPSM701	680-117942-32	Normal	10	BERYLLIUM	0.22	mg/kg	J D	J	
6020A	SO	AOPSM701	680-117942-32	Normal	10	CADMIUM	0.39	mg/kg	J D	J	
6020A	SO	AOPSM701	680-117942-32	Normal	10	POTASSIUM	870	mg/kg	J D	J	
6020A	SO	AOPSM701	680-117942-32	Normal	10	SELENIUM	0.43	mg/kg	J D	J	
6020A	SO	AOPSM701	680-117942-32	Normal	10	SILVER	0.29	mg/kg	J D	J	
6020A	SO	AOPSM701	680-117942-32	Normal	10	SODIUM	75	mg/kg	J D	J	
8015C_D	SO	AOPSM701	680-117942-32	Normal	10	JET FUEL JP-5	200	mg/kg	U Q	UJ	c
8081B	SO	AOPSM701	680-117942-32	Normal	25	4,4-DDT	0.14	mg/kg	J D Q	J	c
8081B	SO	AOPSM701	680-117942-32	Normal	25	CHLORDANE	0.64	mg/kg	U	UJ	c
8081B	SO	AOPSM701	680-117942-32	Normal	25	CHLOROBENZILATE	5.5	mg/kg	U	UJ	c
8081B	SO	AOPSM701	680-117942-32	Normal	25	KEPONE	3.3	mg/kg	U	UJ	c
8081B	SO	AOPSM701	680-117942-32	Normal	25	TOXAPHENE	1.2	mg/kg	U	UJ	c
8141A	SO	AOPSM701	680-117942-32	Normal	10	DICHLORVOS	200	µg/kg	U	UJ	c
8141A	SO	AOPSM701	680-117942-32	Normal	100	NALED	7800	µg/kg	U	UJ	c
8151A	SO	AOPSM701	680-117942-32	Normal	10	2,4-DB	0.062	mg/kg	U Q	UJ	l
8151A	SO	AOPSM701	680-117942-32	Normal	10	DALAPON	0.099	mg/kg	U	UJ	c
8270D	SO	AOPSM701	680-117942-32	Normal	5	BENZO[A]PYRENE	0.055	mg/kg	J D	J	
8270D	SO	AOPSM701	680-117942-32	Normal	5	BENZO[K]FLUORANTHENE	0.075	mg/kg	J D	J	
8270D	SO	AOPSM701	680-117942-32	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.4	mg/kg	J	U	bl
8270D	SO	AOPSM701	680-117942-32	Normal	5	INDENO[1,2,3-CD]PYRENE	0.21	mg/kg	U	UJ	c
6020A	SO	AOPSL801	680-117942-33	Normal	10	ANTIMONY	0.25	mg/kg	J D	J	
6020A	SO	AOPSL801	680-117942-33	Normal	10	ARSENIC	2.7	mg/kg	J D	J	
6020A	SO	AOPSL801	680-117942-33	Normal	10	BERYLLIUM	0.43	mg/kg	J D	J	
6020A	SO	AOPSL801	680-117942-33	Normal	10	CADMIUM	0.055	mg/kg	J D	U	bl
6020A	SO	AOPSL801	680-117942-33	Normal	10	SELENIUM	0.81	mg/kg	J D	J	
6020A	SO	AOPSL801	680-117942-33	Normal	10	SILVER	0.067	mg/kg	J D	J	
6020A	SO	AOPSL801	680-117942-33	Normal	10	SODIUM	95	mg/kg	J D	J	
7471B	SO	AOPSL801	680-117942-33	Normal	1	MERCURY	0.056	mg/kg	J	J	
8015C_D	SO	AOPSL801	680-117942-33	Normal	5	JET FUEL JP-5	100	mg/kg	U Q	UJ	c
8081B	SO	AOPSL801	680-117942-33	Normal	1	4,4-DDE	0.0026	mg/kg	J	J	
8081B	SO	AOPSL801	680-117942-33	Normal	1	4,4-DDT	0.0016	mg/kg	J	J	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8081B	SO	AOPSL801	680-117942-33	Normal	1	CHLORDANE	0.023	mg/kg	U	UJ	c
8081B	SO	AOPSL801	680-117942-33	Normal	1	CHLOROBENZILATE	0.2	mg/kg	U	UJ	c
8081B	SO	AOPSL801	680-117942-33	Normal	1	KEPONE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSL801	680-117942-33	Normal	1	TOXAPHENE	0.044	mg/kg	U	UJ	c
8141A	SO	AOPSL801	680-117942-33	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSL801	680-117942-33	Normal	100	NALED	7200	µg/kg	U	UJ	c
8151A	SO	AOPSL801	680-117942-33	Normal	5	2,4-DB	0.029	mg/kg	U Q	UJ	l
8151A	SO	AOPSL801	680-117942-33	Normal	5	DALAPON	0.046	mg/kg	U	UJ	c
8270D	SO	AOPSL801	680-117942-33	Normal	1	BENZO[A]ANTHRACENE	0.026	mg/kg	J	J	
8270D	SO	AOPSL801	680-117942-33	Normal	1	BENZO[A]PYRENE	0.029	mg/kg	J	J	
8270D	SO	AOPSL801	680-117942-33	Normal	1	BENZO[K]FLUORANTHENE	0.022	mg/kg	J M	J	
8270D	SO	AOPSL801	680-117942-33	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.38	mg/kg	J	U	bl
8270D	SO	AOPSL801	680-117942-33	Normal	1	PHENANTHRENE	0.033	mg/kg	J	J	
6020A	SO	AOPSJ1001	680-117942-34	Normal	10	BERYLLIUM	0.61	mg/kg	J D	J	
6020A	SO	AOPSJ1001	680-117942-34	Normal	10	POTASSIUM	790	mg/kg	J D	J	
6020A	SO	AOPSJ1001	680-117942-34	Normal	10	SELENIUM	0.41	mg/kg	J D	J	
6020A	SO	AOPSJ1001	680-117942-34	Normal	10	SILVER	0.21	mg/kg	J D	J	
6020A	SO	AOPSJ1001	680-117942-34	Normal	10	SODIUM	840	mg/kg	J D	J	
6020A	SO	AOPSJ1001	680-117942-34	Normal	10	THALLIUM	0.19	mg/kg	J D	J	
7471B	SO	AOPSJ1001	680-117942-34	Normal	1	MERCURY	0.015	mg/kg	J	J	
8015C_D	SO	AOPSJ1001	680-117942-34	Normal	10	JET FUEL JP-5	160	mg/kg	U Q	UJ	c
8081B	SO	AOPSJ1001	680-117942-34	Normal	50	4,4-DDE	0.18	mg/kg	J D	J	
8081B	SO	AOPSJ1001	680-117942-34	Normal	50	4,4-DDT	0.049	mg/kg	J D	J	c
8081B	SO	AOPSJ1001	680-117942-34	Normal	50	CHLORDANE	1	mg/kg	U	UJ	c
8081B	SO	AOPSJ1001	680-117942-34	Normal	50	CHLOROBENZILATE	9	mg/kg	U	UJ	c
8081B	SO	AOPSJ1001	680-117942-34	Normal	50	KEPONE	5.4	mg/kg	U	UJ	c
8081B	SO	AOPSJ1001	680-117942-34	Normal	50	TOXAPHENE	2	mg/kg	U	UJ	c
8141A	SO	AOPSJ1001	680-117942-34	Normal	10	DICHLORVOS	160	µg/kg	U	UJ	c
8151A	SO	AOPSJ1001	680-117942-34	Normal	10	2,4-DB	0.051	mg/kg	U Q	UJ	l
8151A	SO	AOPSJ1001	680-117942-34	Normal	10	DALAPON	0.081	mg/kg	U	UJ	c
8270D	SO	AOPSJ1001	680-117942-34	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.32	mg/kg	J	U	bl
6020A	SO	AOPSM1001	680-117942-35	Normal	10	ANTIMONY	0.23	mg/kg	J D	J	
6020A	SO	AOPSM1001	680-117942-35	Normal	10	ARSENIC	0.7	mg/kg	J D	U	bl
6020A	SO	AOPSM1001	680-117942-35	Normal	10	BERYLLIUM	0.39	mg/kg	J D	J	
6020A	SO	AOPSM1001	680-117942-35	Normal	10	CADMIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSM1001	680-117942-35	Normal	10	SELENIUM	0.49	mg/kg	J D	J	
6020A	SO	AOPSM1001	680-117942-35	Normal	10	SILVER	0.18	mg/kg	J D	J	
6020A	SO	AOPSM1001	680-117942-35	Normal	10	SODIUM	380	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8015C_D	SO	AOPSM1001	680-117942-35	Normal	5	JET FUEL JP-5	94	mg/kg	U Q	UJ	c
8015C_D	SO	AOPSM1001	680-117942-35	Normal	5	TPH-C10-28	61	mg/kg	J D	J	
8081B	SO	AOPSM1001	680-117942-35	Normal	1	4,4-DDT	0.0065	mg/kg	M	J	c
8081B	SO	AOPSM1001	680-117942-35	Normal	1	CHLORDANE	0.1	mg/kg		J	c
8081B	SO	AOPSM1001	680-117942-35	Normal	1	CHLOROBENZILATE	0.2	mg/kg	U	UJ	c
8081B	SO	AOPSM1001	680-117942-35	Normal	1	KEPONE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSM1001	680-117942-35	Normal	1	TOXAPHENE	0.045	mg/kg	U	UJ	c
8141A	SO	AOPSM1001	680-117942-35	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSM1001	680-117942-35	Normal	100	NALED	7200	µg/kg	U	UJ	c
8151A	SO	AOPSM1001	680-117942-35	Normal	1	2,4-DB	0.0056	mg/kg	U Q	UJ	l
8151A	SO	AOPSM1001	680-117942-35	Normal	1	DALAPON	0.0089	mg/kg	U	UJ	c
8151A	SO	AOPSM1001	680-117942-35	Normal	1	PENTACHLOROPHENOL	0.00049	mg/kg	J M	J	r
8270D	SO	AOPSM1001	680-117942-35	Normal	1	BENZO[A]PYRENE	0.014	mg/kg	J	J	
8270D	SO	AOPSM1001	680-117942-35	Normal	1	BENZO[B]FLUORANTHENE	0.037	mg/kg	J	J	
8270D	SO	AOPSM1001	680-117942-35	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.36	mg/kg	J	U	bl
8270D	SO	AOPSM1001	680-117942-35	Normal	1	CHRYSENE	0.021	mg/kg	J	J	
8270D	SO	AOPSM1001	680-117942-35	Normal	1	FLUORANTHENE	0.027	mg/kg	J	J	
8270D	SO	AOPSM1001	680-117942-35	Normal	1	PYRENE	0.021	mg/kg	J	J	
6020A	SO	AOPSL901	680-117942-36	Normal	10	ANTIMONY	0.25	mg/kg	J D	J	
6020A	SO	AOPSL901	680-117942-36	Normal	10	ARSENIC	3.3	mg/kg	J D	J	
6020A	SO	AOPSL901	680-117942-36	Normal	10	BERYLLIUM	0.37	mg/kg	J D	J	
6020A	SO	AOPSL901	680-117942-36	Normal	10	CADMIUM	0.048	mg/kg	J D	U	bl
6020A	SO	AOPSL901	680-117942-36	Normal	10	SELENIUM	0.96	mg/kg	J D	J	
6020A	SO	AOPSL901	680-117942-36	Normal	10	SILVER	0.068	mg/kg	J D	J	
6020A	SO	AOPSL901	680-117942-36	Normal	10	SODIUM	76	mg/kg	J D	J	
7471B	SO	AOPSL901	680-117942-36	Normal	1	MERCURY	0.06	mg/kg	J	J	
8015C_D	SO	AOPSL901	680-117942-36	Normal	5	JET FUEL JP-5	93	mg/kg	U Q	UJ	c
8081B	SO	AOPSL901	680-117942-36	Normal	1	4,4-DDE	0.0024	mg/kg	J	J	
8081B	SO	AOPSL901	680-117942-36	Normal	1	4,4-DDT	0.0014	mg/kg	J	J	c
8081B	SO	AOPSL901	680-117942-36	Normal	1	CHLORDANE	0.024	mg/kg	U	UJ	c
8081B	SO	AOPSL901	680-117942-36	Normal	1	CHLOROBENZILATE	0.2	mg/kg	U	UJ	c
8081B	SO	AOPSL901	680-117942-36	Normal	1	KEPONE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSL901	680-117942-36	Normal	1	TOXAPHENE	0.046	mg/kg	U	UJ	c
8141A	SO	AOPSL901	680-117942-36	Normal	10	DICHLORVOS	200	µg/kg	U	UJ	c
8141A	SO	AOPSL901	680-117942-36	Normal	100	NALED	7700	µg/kg	U	UJ	c
8151A	SO	AOPSL901	680-117942-36	Normal	5	2,4-DB	0.029	mg/kg	U Q	UJ	l
8151A	SO	AOPSL901	680-117942-36	Normal	5	DALAPON	0.046	mg/kg	U	UJ	c
8270D	SO	AOPSL901	680-117942-36	Normal	1	BENZO[A]PYRENE	0.02	mg/kg	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSL901	680-117942-36	Normal	1	BENZO[B]FLUORANTHENE	0.034	mg/kg	J M	J	
8270D	SO	AOPSL901	680-117942-36	Normal	1	BENZO[K]FLUORANTHENE	0.017	mg/kg	J M	J	
8270D	SO	AOPSL901	680-117942-36	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.38	mg/kg	J	U	bl
8270D	SO	AOPSL901	680-117942-36	Normal	1	CHRYSENE	0.027	mg/kg	J	J	
8270D	SO	AOPSL901	680-117942-36	Normal	1	PHENANTHRENE	0.021	mg/kg	J	J	
8270D	SO	AOPSL901	680-117942-36	Normal	1	PYRENE	0.032	mg/kg	J	J	
6020A	SO	AOPSK1001	680-117942-37	Normal	10	ANTIMONY	1.3	mg/kg	J D	J	
6020A	SO	AOPSK1001	680-117942-37	Normal	10	ARSENIC	2.6	mg/kg	J D	J	
6020A	SO	AOPSK1001	680-117942-37	Normal	10	BARIUM	87	mg/kg	D	J	fd
6020A	SO	AOPSK1001	680-117942-37	Normal	10	BERYLLIUM	0.16	mg/kg	J D	J	
6020A	SO	AOPSK1001	680-117942-37	Normal	10	POTASSIUM	670	mg/kg	J D	J	
6020A	SO	AOPSK1001	680-117942-37	Normal	10	SELENIUM	0.31	mg/kg	J D	J	
6020A	SO	AOPSK1001	680-117942-37	Normal	10	SILVER	0.39	mg/kg	J D	J	
6020A	SO	AOPSK1001	680-117942-37	Normal	10	SODIUM	550	mg/kg	J D	J	
7471B	SO	AOPSK1001	680-117942-37	Normal	1	MERCURY	0.063	mg/kg	J	J	
8015C_D	SO	AOPSK1001	680-117942-37	Normal	10	JET FUEL JP-5	170	mg/kg	U Q	UJ	c
8081B	SO	AOPSK1001	680-117942-37	Normal	25	4,4-DDD	0.082	mg/kg	J D M	J	
8081B	SO	AOPSK1001	680-117942-37	Normal	25	4,4-DDE	16	mg/kg	J D	J	
8081B	SO	AOPSK1001	680-117942-37	Normal	25	4,4-DDT	0.66	mg/kg	D	J	c
8081B	SO	AOPSK1001	680-117942-37	Normal	25	CHLORDANE	0.53	mg/kg	U	UJ	c
8081B	SO	AOPSK1001	680-117942-37	Normal	25	CHLOROBENZILATE	4.6	mg/kg	U	UJ	c
8081B	SO	AOPSK1001	680-117942-37	Normal	25	DIELDRIN	0.074	mg/kg	J D	J	r
8081B	SO	AOPSK1001	680-117942-37	Normal	25	KEPONE	2.8	mg/kg	U	UJ	c
8081B	SO	AOPSK1001	680-117942-37	Normal	25	TOXAPHENE	1	mg/kg	U	UJ	c
8141A	SO	AOPSK1001	680-117942-37	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8151A	SO	AOPSK1001	680-117942-37	Normal	10	2,4-DB	0.054	mg/kg	U Q	UJ	l
8151A	SO	AOPSK1001	680-117942-37	Normal	10	DALAPON	0.086	mg/kg	U	UJ	c
8270D	SO	AOPSK1001	680-117942-37	Normal	5	BENZO[A]PYRENE	0.064	mg/kg	J D	J	
8270D	SO	AOPSK1001	680-117942-37	Normal	5	BENZO[B]FLUORANTHENE	0.13	mg/kg	J D M	J	
8270D	SO	AOPSK1001	680-117942-37	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.34	mg/kg	J	U	bl
8270D	SO	AOPSK1001	680-117942-37	Normal	5	CHRYSENE	0.089	mg/kg	J D	J	
8270D	SO	AOPSK1001	680-117942-37	Normal	5	FLUORANTHENE	0.15	mg/kg	J D	J	
8270D	SO	AOPSK1001	680-117942-37	Normal	5	PYRENE	0.11	mg/kg	J D	J	
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	ANTIMONY	1.6	mg/kg	J D	J	
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	ARSENIC	2.6	mg/kg	J D	J	
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	BARIUM	35	mg/kg	D	J	fd
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	BERYLLIUM	0.17	mg/kg	J D	J	
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	POTASSIUM	630	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	SELENIUM	0.32	mg/kg	J D	J	
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	SILVER	0.32	mg/kg	J D	J	
6020A	SO	AOPCK1001	680-117942-38	Duplicate	10	SODIUM	680	mg/kg	J D	J	
7471B	SO	AOPCK1001	680-117942-38	Duplicate	1	MERCURY	0.062	mg/kg	J	J	
8015C_D	SO	AOPCK1001	680-117942-38	Duplicate	10	JET FUEL JP-5	170	mg/kg	U Q	UJ	c
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	4,4-DDD	0.081	mg/kg	J D M	J	
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	4,4-DDE	13	mg/kg	J D M	J	
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	4,4-DDT	0.59	mg/kg	D M	J	c
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	CHLORDANE	0.52	mg/kg	U	UJ	c
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	CHLOROBENZILATE	4.5	mg/kg	U	UJ	c
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	DIELDRIN	0.078	mg/kg	J D M	J	r
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	KEPONE	2.7	mg/kg	U	UJ	c
8081B	SO	AOPCK1001	680-117942-38	Duplicate	25	TOXAPHENE	1	mg/kg	U	UJ	c
8141A	SO	AOPCK1001	680-117942-38	Duplicate	10	DICHLORVOS	180	µg/kg	U	UJ	c
8151A	SO	AOPCK1001	680-117942-38	Duplicate	10	2,4-DB	0.053	mg/kg	U Q	UJ	l
8151A	SO	AOPCK1001	680-117942-38	Duplicate	10	DALAPON	0.085	mg/kg	U	UJ	c
8270D	SO	AOPCK1001	680-117942-38	Duplicate	5	BENZO[A]PYRENE	0.04	mg/kg	J D	J	
8270D	SO	AOPCK1001	680-117942-38	Duplicate	5	BENZO[B]FLUORANTHENE	0.089	mg/kg	J D M	J	
8270D	SO	AOPCK1001	680-117942-38	Duplicate	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.34	mg/kg	J	U	bl
6020A	SO	AOPSK901	680-117942-39	Normal	10	ANTIMONY	0.15	mg/kg	J D	J	
6020A	SO	AOPSK901	680-117942-39	Normal	10	BERYLLIUM	0.29	mg/kg	J D	J	
6020A	SO	AOPSK901	680-117942-39	Normal	10	CADMIUM	0.066	mg/kg	J D	U	bl
6020A	SO	AOPSK901	680-117942-39	Normal	10	SELENIUM	0.51	mg/kg	J D	J	
6020A	SO	AOPSK901	680-117942-39	Normal	10	SILVER	0.043	mg/kg	J D	J	
6020A	SO	AOPSK901	680-117942-39	Normal	10	SODIUM	520	mg/kg	J D	J	
6020A	SO	AOPSK901	680-117942-39	Normal	10	ZINC	48	mg/kg	J D	J	
8081B	SO	AOPSK901	680-117942-39	Normal	5	4,4-DDT	0.027	mg/kg	J D	J	c
8081B	SO	AOPSK901	680-117942-39	Normal	5	CHLORDANE	0.16	mg/kg	U	UJ	c
8081B	SO	AOPSK901	680-117942-39	Normal	5	CHLOROBENZILATE	1.3	mg/kg	U	UJ	c
8081B	SO	AOPSK901	680-117942-39	Normal	5	KEPONE	0.81	mg/kg	U	UJ	c
8081B	SO	AOPSK901	680-117942-39	Normal	5	TOXAPHENE	0.3	mg/kg	U	UJ	c
8141A	SO	AOPSK901	680-117942-39	Normal	10	DICHLORVOS	250	µg/kg	U	UJ	c
8141A	SO	AOPSK901	680-117942-39	Normal	100	NALED	9700	µg/kg	U	UJ	c
8151A	SO	AOPSK901	680-117942-39	Normal	5	2,4-DB	0.038	mg/kg	U Q	UJ	l
8151A	SO	AOPSK901	680-117942-39	Normal	5	DALAPON	0.06	mg/kg	U	UJ	c
8270D	SO	AOPSK901	680-117942-39	Normal	5	BENZO[A]ANTHRACENE	0.13	mg/kg	J D	J	
8270D	SO	AOPSK901	680-117942-39	Normal	5	BENZO[A]PYRENE	0.092	mg/kg	J D	J	
8270D	SO	AOPSK901	680-117942-39	Normal	5	BENZO[B]FLUORANTHENE	0.24	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSK901	680-117942-39	Normal	5	BENZO[K]FLUORANTHENE	0.097	mg/kg	J D	J	
8270D	SO	AOPSK901	680-117942-39	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.48	mg/kg	J	U	bl
8270D	SO	AOPSK901	680-117942-39	Normal	5	CHRYSENE	0.13	mg/kg	J D	J	
8270D	SO	AOPSK901	680-117942-39	Normal	5	FLUORANTHENE	0.23	mg/kg	J D	J	
8270D	SO	AOPSK901	680-117942-39	Normal	5	PHENANTHRENE	0.11	mg/kg	J D	J	
8270D	SO	AOPSK901	680-117942-39	Normal	5	PYRENE	0.17	mg/kg	J D	J	
6020A	SO	AOPSM901	680-117942-40	Normal	10	ANTIMONY	0.88	mg/kg	J D	J	
6020A	SO	AOPSM901	680-117942-40	Normal	10	ARSENIC	0.73	mg/kg	J D	U	bl
6020A	SO	AOPSM901	680-117942-40	Normal	10	BERYLLIUM	0.16	mg/kg	J D	J	
6020A	SO	AOPSM901	680-117942-40	Normal	10	CADMIUM	0.5	mg/kg	J D	J	
6020A	SO	AOPSM901	680-117942-40	Normal	10	POTASSIUM	720	mg/kg	J D	J	
6020A	SO	AOPSM901	680-117942-40	Normal	10	SELENIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSM901	680-117942-40	Normal	10	SODIUM	86	mg/kg	J D	J	
8081B	SO	AOPSM901	680-117942-40	Normal	5	ALPHA-CHLORDANE	0.16	mg/kg	D M	J	r
8081B	SO	AOPSM901	680-117942-40	Normal	5	AROCLOR-1232	0.22	mg/kg	U	UJ	c
8081B	SO	AOPSM901	680-117942-40	Normal	5	CHLORDANE	0.32	mg/kg	D	J	c,r
8081B	SO	AOPSM901	680-117942-40	Normal	5	CHLOROBENZILATE	0.99	mg/kg	U	UJ	c
8081B	SO	AOPSM901	680-117942-40	Normal	5	KEPONE	0.6	mg/kg	U	UJ	c
8081B	SO	AOPSM901	680-117942-40	Normal	5	TOXAPHENE	0.22	mg/kg	U	UJ	c
8141A	SO	AOPSM901	680-117942-40	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSM901	680-117942-40	Normal	100	NALED	7300	µg/kg	U	UJ	c
8151A	SO	AOPSM901	680-117942-40	Normal	10	2,4-DB	0.056	mg/kg	U Q	UJ	l
8151A	SO	AOPSM901	680-117942-40	Normal	10	DALAPON	0.09	mg/kg	U	UJ	c
8270D	SO	AOPSM901	680-117942-40	Normal	5	BENZO[B]FLUORANTHENE	0.096	mg/kg	J D	J	
8270D	SO	AOPSM901	680-117942-40	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.37	mg/kg	J	U	bl
6020A	SO	AOPSL1001	680-117942-41	Normal	10	ANTIMONY	0.13	mg/kg	J D	J	
6020A	SO	AOPSL1001	680-117942-41	Normal	10	ARSENIC	0.82	mg/kg	J D	U	bl
6020A	SO	AOPSL1001	680-117942-41	Normal	10	BERYLLIUM	0.24	mg/kg	J D	J	
6020A	SO	AOPSL1001	680-117942-41	Normal	10	CADMIUM	0.29	mg/kg	J D	J	
6020A	SO	AOPSL1001	680-117942-41	Normal	10	SELENIUM	0.42	mg/kg	J D	J	
6020A	SO	AOPSL1001	680-117942-41	Normal	10	SILVER	0.17	mg/kg	J D	J	
6020A	SO	AOPSL1001	680-117942-41	Normal	10	SODIUM	110	mg/kg	J D	J	
8081B	SO	AOPSL1001	680-117942-41	Normal	5	4,4-DDE	0.0049	mg/kg	J D	J	
8081B	SO	AOPSL1001	680-117942-41	Normal	5	4,4-DDT	0.0049	mg/kg	J D	J	c
8081B	SO	AOPSL1001	680-117942-41	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSL1001	680-117942-41	Normal	5	CHLOROBENZILATE	0.93	mg/kg	U	UJ	c
8081B	SO	AOPSL1001	680-117942-41	Normal	5	KEPONE	3.5	mg/kg	D	J	l
8081B	SO	AOPSL1001	680-117942-41	Normal	5	TOXAPHENE	0.21	mg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8151A	SO	AOPSL1001	680-117942-41	Normal	1	2,4-DB	0.0056	mg/kg	U Q	UJ	l
8151A	SO	AOPSL1001	680-117942-41	Normal	1	DALAPON	0.009	mg/kg	U	UJ	c
8151A	SO	AOPSL1001	680-117942-41	Normal	1	PENTACHLOROPHENOL	0.001	mg/kg	J	J	r
8270D	SO	AOPSL1001	680-117942-41	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	c
8270D	SO	AOPSL1001	680-117942-41	Normal	1	BENZO[G,H,I]PERYLENE	0.027	mg/kg	J	J	
8270D	SO	AOPSL1001	680-117942-41	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSL1001	680-117942-41	Normal	1	INDENO[1,2,3-CD]PYRENE	0.024	mg/kg	J	J	
6020A	SO	AOPSK101	680-117942-42	Normal	10	ANTIMONY	0.6	mg/kg	J D	J	
6020A	SO	AOPSK101	680-117942-42	Normal	10	ARSENIC	1.7	mg/kg	J D	J	
6020A	SO	AOPSK101	680-117942-42	Normal	10	BERYLLIUM	0.29	mg/kg	J D	J	
6020A	SO	AOPSK101	680-117942-42	Normal	10	CADMIUM	0.043	mg/kg	J D	U	bl
6020A	SO	AOPSK101	680-117942-42	Normal	10	SELENIUM	0.67	mg/kg	J D	J	
6020A	SO	AOPSK101	680-117942-42	Normal	10	SILVER	0.15	mg/kg	J D	J	
6020A	SO	AOPSK101	680-117942-42	Normal	10	SODIUM	310	mg/kg	J D	J	
6020A	SO	AOPSK101	680-117942-42	Normal	10	THALLIUM	0.25	mg/kg	J D	J	
7471B	SO	AOPSK101	680-117942-42	Normal	1	MERCURY	0.026	mg/kg	J	J	
8081B	SO	AOPSK101	680-117942-42	Normal	5	4,4-DDT	0.033	mg/kg	D Q	J	c
8081B	SO	AOPSK101	680-117942-42	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSK101	680-117942-42	Normal	5	CHLOROBENZILATE	0.95	mg/kg	U Q	UJ	c
8081B	SO	AOPSK101	680-117942-42	Normal	5	KEPONE	0.58	mg/kg	U Q	UJ	c
8081B	SO	AOPSK101	680-117942-42	Normal	5	TOXAPHENE	0.21	mg/kg	U	UJ	c
8141A	SO	AOPSK101	680-117942-42	Normal	10	COUMAPHOS	84	µg/kg	U	UJ	c
8141A	SO	AOPSK101	680-117942-42	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSK101	680-117942-42	Normal	10	FENSULFOTHION	180	µg/kg	U	UJ	c
8141A	SO	AOPSK101	680-117942-42	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSK101	680-117942-42	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8151A	SO	AOPSK101	680-117942-42	Normal	5	2,4-DB	0.027	mg/kg	U Q	UJ	l
8151A	SO	AOPSK101	680-117942-42	Normal	5	DALAPON	0.043	mg/kg	U	UJ	c
8270D	SO	AOPSK101	680-117942-42	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	c
8270D	SO	AOPSK101	680-117942-42	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.4	mg/kg	J	J	
8270D	SO	AOPSK101	680-117942-42	Normal	1	ACENAPHTHENE	0.037	mg/kg	U	UJ	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	ANTHRACENE	0.037	mg/kg	U	UJ	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	BENZO[A]ANTHRACENE	0.037	mg/kg		J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	BENZO[A]PYRENE	0.037	mg/kg		J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	BENZO[B]FLUORANTHENE	0.066	mg/kg	M	J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	BENZO[G,H,I]PERYLENE	0.037	mg/kg		J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	BENZO[K]FLUORANTHENE	0.017	mg/kg	J M	J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	CHRYSENE	0.043	mg/kg		J	ld

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSK101	680-117942-42	Normal	1	DIBENZ[A,H]ANTHRACENE	0.037	mg/kg	U	UJ	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	FLUORANTHENE	0.075	mg/kg		J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	FLUORENE	0.037	mg/kg	U	UJ	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSK101	680-117942-42	Normal	1	INDENO[1,2,3-CD]PYRENE	0.033	mg/kg	J	J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	PHENANTHRENE	0.031	mg/kg	J	J	ld
8270D	SO	AOPSK101	680-117942-42	Normal	1	PYRENE	0.058	mg/kg		J	ld
6020A	SO	AOPSM301	680-117942-43	Normal	10	ALUMINUM	15000	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	ANTIMONY	0.32	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	ARSENIC	0.71	mg/kg	J D	U	bl
6020A	SO	AOPSM301	680-117942-43	Normal	10	BARIUM	15	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	BERYLLIUM	0.17	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	CADMIUM	0.26	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	CALCIUM	16000	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	CHROMIUM, TOTAL	280	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	IRON	32000	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	20	MAGNESIUM	42000	mg/kg	D J	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	MANGANESE	490	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	NICKEL	590	mg/kg	D J	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	SELENIUM	0.29	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	SILVER	0.044	mg/kg	J D	J	
6020A	SO	AOPSM301	680-117942-43	Normal	10	SODIUM	100	mg/kg	J D	J	
7471B	SO	AOPSM301	680-117942-43	Normal	1	MERCURY	0.02	mg/kg	J	J	
8081B	SO	AOPSM301	680-117942-43	Normal	5	4,4-DDT	0.026	mg/kg	D M J	J	c
8081B	SO	AOPSM301	680-117942-43	Normal	5	AROCLOR-1260	0.39	mg/kg	U J	U	
8081B	SO	AOPSM301	680-117942-43	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSM301	680-117942-43	Normal	5	CHLOROBENZILATE	0.98	mg/kg	U Q	UJ	c
8081B	SO	AOPSM301	680-117942-43	Normal	5	DIELDRIN	0.17	mg/kg	D M J	J	
8081B	SO	AOPSM301	680-117942-43	Normal	5	ENDOSULFAN II	0.0063	mg/kg	U J	U	
8081B	SO	AOPSM301	680-117942-43	Normal	5	ENDRIN	0.0085	mg/kg	U J	UJ	ld
8081B	SO	AOPSM301	680-117942-43	Normal	5	ENDRIN ALDEHYDE	0.0085	mg/kg	U J	UJ	ld
8081B	SO	AOPSM301	680-117942-43	Normal	5	ENDRIN KETONE	0.012	mg/kg	D M J	J	
8081B	SO	AOPSM301	680-117942-43	Normal	5	KEPONE	0.59	mg/kg	U J Q	UJ	c
8081B	SO	AOPSM301	680-117942-43	Normal	5	LINDANE	0.0063	mg/kg	U J	U	
8081B	SO	AOPSM301	680-117942-43	Normal	5	METHOXYCHLOR	0.012	mg/kg	U J	U	
8081B	SO	AOPSM301	680-117942-43	Normal	5	TOXAPHENE	0.22	mg/kg	U	UJ	c
8141A	SO	AOPSM301	680-117942-43	Normal	10	ATRAZINE	350	µg/kg	U J	UJ	ld
8141A	SO	AOPSM301	680-117942-43	Normal	10	MERPHOS	180	µg/kg	U J	U	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8141A	SO	AOPSM301	680-117942-43	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U J	U	
8151A	SO	AOPSM301	680-117942-43	Normal	5	2,4,5-T	0.027	mg/kg	U J	UJ	ld
8151A	SO	AOPSM301	680-117942-43	Normal	5	2,4-DB	0.027	mg/kg	U Q J	UJ	l,ld
8151A	SO	AOPSM301	680-117942-43	Normal	5	DALAPON	0.043	mg/kg	U J	UJ	c
8151A	SO	AOPSM301	680-117942-43	Normal	5	MCPP	2.6	mg/kg	U J	U	
8270D	SO	AOPSM301	680-117942-43	Normal	1	1,1-BIPHENYL	8.9	mg/kg	U J	UJ	m,ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	1,4-DIOXANE	1.7	mg/kg	U Q J	UJ	ld,c
8270D	SO	AOPSM301	680-117942-43	Normal	1	1-METHYLNAPHTHALENE	0.024	mg/kg	J	J	
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,3,4,6-TETRACHLOROPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,4,5-TRICHLOROPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,4,6-TRICHLOROPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,4-DICHLOROPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,4-DIMETHYLPHENOL	0.89	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,4-DINITROPHENOL	6.8	mg/kg	U J	UJ	m,ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,4-DINITROTOLUENE	0.89	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2,6-DINITROTOLUENE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2-CHLORONAPHTHALENE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2-CHLOROPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2-METHYLNAPHTHALENE	0.017	mg/kg	J	J	
8270D	SO	AOPSM301	680-117942-43	Normal	1	2-METHYLPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2-NITROANILINE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	2-NITROPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	3- AND 4-METHYLPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	4,6-DINITRO-2-METHYLPHENOL	1.7	mg/kg	U J	UJ	m,ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	4-CHLORO-3-METHYLPHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	4-CHLOROANILINE	0.89	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	4-NITROANILINE	0.89	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	4-NITROPHENOL	3.5	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	ACENAPHTHENE	0.18	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	ACETOPHENONE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	ANTHRACENE	0.23	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	ATRAZINE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BENZALDEHYDE	0.89	mg/kg	U J Q	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BENZO[A]ANTHRACENE	1.9	mg/kg		J	ld

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSM301	680-117942-43	Normal	1	BENZO[A]PYRENE	1.8	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BENZO[B]FLUORANTHENE	2.8	mg/kg	M	J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BENZO[G,H,I]PERYLENE	0.99	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BENZO[K]FLUORANTHENE	0.86	mg/kg	M	J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BIS(2-CHLOROETHYL)ETHER	0.89	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	BUTYLBENZYLPHTHALATE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	CAPROLACTAM	0.89	mg/kg	U J	UJ	m,ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	CARBAZOLE	0.9	mg/kg	J	J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	CHRYSENE	2.1	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	DIBENZ[A,H]ANTHRACENE	0.33	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	DIBENZOFURAN	0.48	mg/kg	J	J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	DIETHYLPHTHALATE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	DIMETHYL PHTHALATE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	DI-N-BUTYLPHTHALATE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	DI-N-OCTYLPHTHALATE	0.35	mg/kg	U J	U	
8270D	SO	AOPSM301	680-117942-43	Normal	1	FLUORANTHENE	4.5	mg/kg	J	J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	FLUORENE	0.083	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	HEXACHLOROBENZENE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	HEXACHLOROBUTADIENE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.35	mg/kg	U J Q	UJ	l,m,ld,c
8270D	SO	AOPSM301	680-117942-43	Normal	1	HEXACHLOROETHANE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	INDENO[1,2,3-CD]PYRENE	1.1	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	ISOPHORONE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	NITROBENZENE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	N-NITROSODINPROPYLAMINE	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	N-NITROSODIPHENYLAMINE	0.44	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	PENTACHLOROPHENOL	3.5	mg/kg	U J	U	
8270D	SO	AOPSM301	680-117942-43	Normal	1	PHENANTHRENE	2.2	mg/kg		J	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	PHENOL	0.35	mg/kg	U J	UJ	ld
8270D	SO	AOPSM301	680-117942-43	Normal	1	PYRENE	3.2	mg/kg		J	ld
6020A	SO	AOPSM201	680-117942-44	Normal	10	ANTIMONY	1	mg/kg	J D	J	
6020A	SO	AOPSM201	680-117942-44	Normal	10	ARSENIC	0.71	mg/kg	J D	U	bl
6020A	SO	AOPSM201	680-117942-44	Normal	10	BERYLLIUM	0.31	mg/kg	J D	J	
6020A	SO	AOPSM201	680-117942-44	Normal	10	CADMIUM	0.9	mg/kg	J D	J	
6020A	SO	AOPSM201	680-117942-44	Normal	10	SELENIUM	0.56	mg/kg	J D	J	
6020A	SO	AOPSM201	680-117942-44	Normal	10	SILVER	0.15	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSM201	680-117942-44	Normal	10	SODIUM	170	mg/kg	J D	J	
7471B	SO	AOPSM201	680-117942-44	Normal	1	MERCURY	0.053	mg/kg	J	J	
8015C_D	SO	AOPSM201	680-117942-44	Normal	10	TPH-C10-28	180	mg/kg	J D	J	
8081B	SO	AOPSM201	680-117942-44	Normal	5	4,4-DDD	0.015	mg/kg	J D M	J	r
8081B	SO	AOPSM201	680-117942-44	Normal	5	4,4-DDE	1.5	mg/kg	J D M	J	
8081B	SO	AOPSM201	680-117942-44	Normal	5	4,4-DDT	0.35	mg/kg	D M	J	c
8081B	SO	AOPSM201	680-117942-44	Normal	5	ALPHA-CHLORDANE	0.11	mg/kg	D M	J	r
8081B	SO	AOPSM201	680-117942-44	Normal	5	CHLORDANE	0.19	mg/kg	J D	J	c
8081B	SO	AOPSM201	680-117942-44	Normal	5	CHLOROBENZILATE	0.97	mg/kg	U Q	UJ	c
8081B	SO	AOPSM201	680-117942-44	Normal	5	DIELDRIN	0.052	mg/kg	D M	J	r
8081B	SO	AOPSM201	680-117942-44	Normal	5	ENDRIN KETONE	0.017	mg/kg	J D M	J	r
8081B	SO	AOPSM201	680-117942-44	Normal	5	KEPONE	0.59	mg/kg	U Q	UJ	c
8081B	SO	AOPSM201	680-117942-44	Normal	5	TOXAPHENE	0.22	mg/kg	U	UJ	c
8151A	SO	AOPSM201	680-117942-44	Normal	5	2,4-DB	0.029	mg/kg	U Q	UJ	l
8151A	SO	AOPSM201	680-117942-44	Normal	5	DALAPON	0.046	mg/kg	U	UJ	c
8151A	SO	AOPSM201	680-117942-44	Normal	5	PENTACHLOROPHENOL	0.0035	mg/kg	J D	J	
8270D	SO	AOPSM201	680-117942-44	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	c
8270D	SO	AOPSM201	680-117942-44	Normal	5	1-METHYLNAPHTHALENE	0.14	mg/kg	J D	J	
8270D	SO	AOPSM201	680-117942-44	Normal	5	2-METHYLNAPHTHALENE	0.12	mg/kg	J D	J	
8270D	SO	AOPSM201	680-117942-44	Normal	1	DIBENZOFURAN	1.1	mg/kg	J	J	
8270D	SO	AOPSM201	680-117942-44	Normal	5	FLUORANTHENE	23	mg/kg	D J	J	
8270D	SO	AOPSM201	680-117942-44	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSM201	680-117942-44	Normal	5	NAPHTHALENE	0.16	mg/kg	J D	J	
6020A	SO	AOPSL201	680-117942-45	Normal	10	ANTIMONY	0.31	mg/kg	J D	J	
6020A	SO	AOPSL201	680-117942-45	Normal	10	ARSENIC	1.8	mg/kg	J D	J	
6020A	SO	AOPSL201	680-117942-45	Normal	10	BERYLLIUM	0.31	mg/kg	J D	J	
6020A	SO	AOPSL201	680-117942-45	Normal	10	CADMIUM	0.048	mg/kg	J D	U	bl
6020A	SO	AOPSL201	680-117942-45	Normal	10	SELENIUM	0.75	mg/kg	J D	J	
6020A	SO	AOPSL201	680-117942-45	Normal	10	SILVER	0.093	mg/kg	J D	J	
6020A	SO	AOPSL201	680-117942-45	Normal	10	SODIUM	180	mg/kg	J D	J	
7471B	SO	AOPSL201	680-117942-45	Normal	1	MERCURY	0.029	mg/kg	J	J	
8081B	SO	AOPSL201	680-117942-45	Normal	5	4,4-DDE	0.0041	mg/kg	J D	J	
8081B	SO	AOPSL201	680-117942-45	Normal	5	CHLORDANE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSL201	680-117942-45	Normal	5	CHLOROBENZILATE	1	mg/kg	U	UJ	c
8081B	SO	AOPSL201	680-117942-45	Normal	5	KEPONE	0.63	mg/kg	U	UJ	c
8081B	SO	AOPSL201	680-117942-45	Normal	5	TOXAPHENE	0.23	mg/kg	U	UJ	c
8151A	SO	AOPSL201	680-117942-45	Normal	1	2,4-DB	0.0058	mg/kg	U Q	UJ	l
8151A	SO	AOPSL201	680-117942-45	Normal	1	DALAPON	0.0092	mg/kg	U	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSL201	680-117942-45	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	c
8270D	SO	AOPSL201	680-117942-45	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	l,c
6020A	SO	AOPSN301	680-117942-46	Normal	10	ANTIMONY	1	mg/kg	J D	J	
6020A	SO	AOPSN301	680-117942-46	Normal	10	ARSENIC	1.3	mg/kg	J D	J	
6020A	SO	AOPSN301	680-117942-46	Normal	10	BERYLLIUM	0.14	mg/kg	J D	J	
6020A	SO	AOPSN301	680-117942-46	Normal	10	CADMIUM	0.053	mg/kg	J D	U	bl
6020A	SO	AOPSN301	680-117942-46	Normal	10	POTASSIUM	530	mg/kg	J D	J	
6020A	SO	AOPSN301	680-117942-46	Normal	10	SELENIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSN301	680-117942-46	Normal	10	SILVER	0.03	mg/kg	J D	J	
6020A	SO	AOPSN301	680-117942-46	Normal	10	SODIUM	110	mg/kg	J D	J	
7471B	SO	AOPSN301	680-117942-46	Normal	1	MERCURY	0.024	mg/kg	J	J	
8081B	SO	AOPSN301	680-117942-46	Normal	5	4,4-DDE	0.019	mg/kg	J D	J	
8081B	SO	AOPSN301	680-117942-46	Normal	5	4,4-DDT	0.025	mg/kg	J D	J	
8081B	SO	AOPSN301	680-117942-46	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSN301	680-117942-46	Normal	5	CHLOROBENZILATE	0.95	mg/kg	U	UJ	c
8081B	SO	AOPSN301	680-117942-46	Normal	5	KEPONE	0.58	mg/kg	U	UJ	c
8081B	SO	AOPSN301	680-117942-46	Normal	5	TOXAPHENE	0.21	mg/kg	U	UJ	c
8151A	SO	AOPSN301	680-117942-46	Normal	1	2,4-DB	0.0057	mg/kg	U Q	UJ	l
8151A	SO	AOPSN301	680-117942-46	Normal	1	DALAPON	0.0091	mg/kg	U	UJ	c
8270D	SO	AOPSN301	680-117942-46	Normal	1	1,1-BIPHENYL	9.1	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	s,c
8270D	SO	AOPSN301	680-117942-46	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	2,4-DINITROTOLUENE	0.91	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	2,6-DINITROTOLUENE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	2-NITROANILINE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	3,3-DICHLOROBENZIDINE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	3-NITROANILINE	0.91	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	4-CHLOROANILINE	0.91	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	4-NITROANILINE	0.91	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	ACETOPHENONE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	ANTHRACENE	0.027	mg/kg	J	J	
8270D	SO	AOPSN301	680-117942-46	Normal	1	ATRAZINE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	BENZALDEHYDE	0.91	mg/kg	U Q	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	BIS(2-CHLOROETHYL)ETHER	0.91	mg/kg	U	UJ	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSN301	680-117942-46	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	BUTYLBENZYLPHTHALATE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	CAPROLACTAM	0.91	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	CARBAZOLE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	DIBENZ[A,H]ANTHRACENE	0.019	mg/kg	J	J	
8270D	SO	AOPSN301	680-117942-46	Normal	1	DIBENZOFURAN	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	DIETHYLPHTHALATE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	DIMETHYL PHTHALATE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	DI-N-BUTYLPHTHALATE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	DI-N-OCTYLPHTHALATE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	HEXACHLOROBENZENE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	HEXACHLOROBUTADIENE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	s,l,c
8270D	SO	AOPSN301	680-117942-46	Normal	1	HEXACHLOROETHANE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	ISOPHORONE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	NITROBENZENE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	N-NITROSODINPROPYLAMINE	0.36	mg/kg	U	UJ	s
8270D	SO	AOPSN301	680-117942-46	Normal	1	N-NITROSODIPHENYLAMINE	0.44	mg/kg	U	UJ	s
6020A	SO	AOPSM401	680-117942-47	Normal	10	ANTIMONY	0.26	mg/kg	J D	J	
6020A	SO	AOPSM401	680-117942-47	Normal	10	ARSENIC	1.8	mg/kg	J D	J	
6020A	SO	AOPSM401	680-117942-47	Normal	10	BERYLLIUM	0.23	mg/kg	J D	J	
6020A	SO	AOPSM401	680-117942-47	Normal	10	CADMIUM	0.057	mg/kg	J D	U	bl
6020A	SO	AOPSM401	680-117942-47	Normal	10	SELENIUM	0.58	mg/kg	J D	J	
6020A	SO	AOPSM401	680-117942-47	Normal	10	SILVER	0.04	mg/kg	J D	J	
6020A	SO	AOPSM401	680-117942-47	Normal	10	SODIUM	100	mg/kg	J D	J	
7471B	SO	AOPSM401	680-117942-47	Normal	1	MERCURY	0.035	mg/kg	J	J	
8081B	SO	AOPSM401	680-117942-47	Normal	5	4,4-DDE	0.0038	mg/kg	J D	J	
8081B	SO	AOPSM401	680-117942-47	Normal	5	4,4-DDT	0.0051	mg/kg	J D	J	
8081B	SO	AOPSM401	680-117942-47	Normal	5	CHLORDANE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSM401	680-117942-47	Normal	5	CHLOROBENZILATE	1	mg/kg	U	UJ	c
8081B	SO	AOPSM401	680-117942-47	Normal	5	KEPONE	0.63	mg/kg	U	UJ	c
8081B	SO	AOPSM401	680-117942-47	Normal	5	TOXAPHENE	0.23	mg/kg	U	UJ	c
8141A	SO	AOPSM401	680-117942-47	Normal	10	DICHLORVOS	200	µg/kg	U Q	UJ	c
8151A	SO	AOPSM401	680-117942-47	Normal	5	2,4-DB	0.029	mg/kg	U Q	UJ	l
8151A	SO	AOPSM401	680-117942-47	Normal	5	DALAPON	0.047	mg/kg	U	UJ	c
8270D	SO	AOPSM401	680-117942-47	Normal	1	1,4-DIOXANE	1.9	mg/kg	U Q	UJ	c
8270D	SO	AOPSM401	680-117942-47	Normal	1	BENZO[A]ANTHRACENE	0.04	mg/kg	J	J	
8270D	SO	AOPSM401	680-117942-47	Normal	1	BENZO[G,H,I]PERYLENE	0.03	mg/kg	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSM401	680-117942-47	Normal	1	BENZO[K]FLUORANTHENE	0.023	mg/kg	J M	J	
8270D	SO	AOPSM401	680-117942-47	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.39	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSM401	680-117942-47	Normal	1	INDENO[1,2,3-CD]PYRENE	0.029	mg/kg	J	J	
8270D	SO	AOPSM401	680-117942-47	Normal	1	PHENANTHRENE	0.038	mg/kg	J	J	
6020A	SO	AOPSN401	680-117942-48	Normal	10	ANTIMONY	0.67	mg/kg	J D	J	
6020A	SO	AOPSN401	680-117942-48	Normal	10	ARSENIC	4	mg/kg	J D	J	
6020A	SO	AOPSN401	680-117942-48	Normal	10	BERYLLIUM	0.35	mg/kg	J D	J	
6020A	SO	AOPSN401	680-117942-48	Normal	10	CADMIUM	0.052	mg/kg	J D	U	bl
6020A	SO	AOPSN401	680-117942-48	Normal	10	SELENIUM	0.94	mg/kg	J D	J	
6020A	SO	AOPSN401	680-117942-48	Normal	10	SILVER	0.12	mg/kg	J D	J	
6020A	SO	AOPSN401	680-117942-48	Normal	10	SODIUM	110	mg/kg	J D	J	
8081B	SO	AOPSN401	680-117942-48	Normal	10	4,4-DDE	0.0098	mg/kg	J D	J	
8081B	SO	AOPSN401	680-117942-48	Normal	10	CHLORDANE	0.28	mg/kg	U	UJ	c
8081B	SO	AOPSN401	680-117942-48	Normal	10	CHLOROBENZILATE	2.4	mg/kg	U	UJ	c
8081B	SO	AOPSN401	680-117942-48	Normal	10	KEPONE	1.5	mg/kg	U	UJ	c
8081B	SO	AOPSN401	680-117942-48	Normal	10	TOXAPHENE	0.55	mg/kg	U	UJ	c
8141A	SO	AOPSN401	680-117942-48	Normal	10	AZINPHOS ETHYL	440	µg/kg	U	UJ	c
8141A	SO	AOPSN401	680-117942-48	Normal	10	FENSULFOTHION	220	µg/kg	U	UJ	c
8141A	SO	AOPSN401	680-117942-48	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	220	µg/kg	U	UJ	c
8151A	SO	AOPSN401	680-117942-48	Normal	10	2,4-DB	0.068	mg/kg	U Q	UJ	l
8151A	SO	AOPSN401	680-117942-48	Normal	10	DALAPON	0.11	mg/kg	U	UJ	c
8270D	SO	AOPSN401	680-117942-48	Normal	1	1,4-DIOXANE	2.2	mg/kg	U Q	UJ	c
8270D	SO	AOPSN401	680-117942-48	Normal	5	BENZO[A]PYRENE	0.067	mg/kg	J D	J	
8270D	SO	AOPSN401	680-117942-48	Normal	5	BENZO[B]FLUORANTHENE	0.14	mg/kg	J D	J	
8270D	SO	AOPSN401	680-117942-48	Normal	5	FLUORANTHENE	0.14	mg/kg	J D	J	
8270D	SO	AOPSN401	680-117942-48	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.45	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSN401	680-117942-48	Normal	5	PYRENE	0.12	mg/kg	J D	J	
6020A	SO	AOPSM501	680-117942-49	Normal	10	ANTIMONY	0.21	mg/kg	J D	J	
6020A	SO	AOPSM501	680-117942-49	Normal	10	ARSENIC	0.62	mg/kg	J D	U	bl
6020A	SO	AOPSM501	680-117942-49	Normal	10	BERYLLIUM	0.11	mg/kg	J D	J	
6020A	SO	AOPSM501	680-117942-49	Normal	10	CADMIUM	0.13	mg/kg	J D	J	
6020A	SO	AOPSM501	680-117942-49	Normal	10	POTASSIUM	660	mg/kg	J D	J	
6020A	SO	AOPSM501	680-117942-49	Normal	10	SELENIUM	0.27	mg/kg	J D	J	
6020A	SO	AOPSM501	680-117942-49	Normal	10	SILVER	0.017	mg/kg	J D	J	
6020A	SO	AOPSM501	680-117942-49	Normal	10	SODIUM	60	mg/kg	J D	J	
7471B	SO	AOPSM501	680-117942-49	Normal	1	MERCURY	0.021	mg/kg	J	J	
8081B	SO	AOPSM501	680-117942-49	Normal	5	4,4-DDE	0.0071	mg/kg	J D	J	
8081B	SO	AOPSM501	680-117942-49	Normal	5	4,4-DDT	0.0079	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8081B	SO	AOPSM501	680-117942-49	Normal	5	CHLORDANE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSM501	680-117942-49	Normal	5	CHLOROBENZILATE	1	mg/kg	U	UJ	c
8081B	SO	AOPSM501	680-117942-49	Normal	5	KEPONE	0.61	mg/kg	U	UJ	c
8081B	SO	AOPSM501	680-117942-49	Normal	5	TOXAPHENE	0.23	mg/kg	U	UJ	c
8151A	SO	AOPSM501	680-117942-49	Normal	5	2,4-DB	0.028	mg/kg	U Q	UJ	l
8151A	SO	AOPSM501	680-117942-49	Normal	5	DALAPON	0.045	mg/kg	U	UJ	c
8270D	SO	AOPSM501	680-117942-49	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	c
8270D	SO	AOPSM501	680-117942-49	Normal	1	BENZO[A]ANTHRACENE	0.019	mg/kg	J	J	
8270D	SO	AOPSM501	680-117942-49	Normal	1	BENZO[A]PYRENE	0.018	mg/kg	J	J	
8270D	SO	AOPSM501	680-117942-49	Normal	1	BENZO[B]FLUORANTHENE	0.034	mg/kg	J	J	
8270D	SO	AOPSM501	680-117942-49	Normal	1	BENZO[K]FLUORANTHENE	0.012	mg/kg	J M	J	
8270D	SO	AOPSM501	680-117942-49	Normal	1	CHRYSENE	0.025	mg/kg	J	J	
8270D	SO	AOPSM501	680-117942-49	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.36	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSM501	680-117942-49	Normal	1	PHENANTHRENE	0.027	mg/kg	J	J	
8270D	SO	AOPSM501	680-117942-49	Normal	1	PYRENE	0.037	mg/kg	J	J	
6020A	SO	AOPSE601	680-117942-50	Normal	10	ANTIMONY	1.2	mg/kg	J D	J	
6020A	SO	AOPSE601	680-117942-50	Normal	10	ARSENIC	2.9	mg/kg	J D	J	
6020A	SO	AOPSE601	680-117942-50	Normal	10	BERYLLIUM	0.17	mg/kg	J D	J	
6020A	SO	AOPSE601	680-117942-50	Normal	10	CADMIUM	0.044	mg/kg	J D	U	bl
6020A	SO	AOPSE601	680-117942-50	Normal	10	POTASSIUM	430	mg/kg	J D	J	
6020A	SO	AOPSE601	680-117942-50	Normal	10	SELENIUM	0.4	mg/kg	J D	J	
6020A	SO	AOPSE601	680-117942-50	Normal	10	SILVER	0.032	mg/kg	J D	J	
6020A	SO	AOPSE601	680-117942-50	Normal	10	SODIUM	410	mg/kg	J D	J	
8081B	SO	AOPSE601	680-117942-50	Normal	10	4,4-DDE	0.0071	mg/kg	J D	J	
8081B	SO	AOPSE601	680-117942-50	Normal	10	4,4-DDT	0.0072	mg/kg	J D	J	c
8081B	SO	AOPSE601	680-117942-50	Normal	10	CHLORDANE	0.2	mg/kg	U	UJ	c
8081B	SO	AOPSE601	680-117942-50	Normal	10	CHLOROBENZILATE	1.7	mg/kg	U Q	UJ	c
8081B	SO	AOPSE601	680-117942-50	Normal	10	KEPONE	1	mg/kg	U Q	UJ	c
8081B	SO	AOPSE601	680-117942-50	Normal	10	TOXAPHENE	0.39	mg/kg	U	UJ	c
8151A	SO	AOPSE601	680-117942-50	Normal	10	2,4-DB	0.05	mg/kg	U Q	UJ	l
8151A	SO	AOPSE601	680-117942-50	Normal	10	DALAPON	0.08	mg/kg	U	UJ	c
8270D	SO	AOPSE601	680-117942-50	Normal	1	1,4-DIOXANE	1.6	mg/kg	U Q	UJ	c
8270D	SO	AOPSE601	680-117942-50	Normal	1	BENZO[B]FLUORANTHENE	0.02	mg/kg	J	J	
8270D	SO	AOPSE601	680-117942-50	Normal	1	BENZO[G,H,I]PERYLENE	0.023	mg/kg	J	J	
8270D	SO	AOPSE601	680-117942-50	Normal	1	FLUORANTHENE	0.019	mg/kg	J	J	
8270D	SO	AOPSE601	680-117942-50	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.33	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSE601	680-117942-50	Normal	1	PHENANTHRENE	0.014	mg/kg	J	J	
6020A	SO	AOPSF501	680-117942-51	Normal	10	ANTIMONY	1.3	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSF501	680-117942-51	Normal	10	ARSENIC	3.2	mg/kg	J D	J	
6020A	SO	AOPSF501	680-117942-51	Normal	10	BERYLLIUM	0.15	mg/kg	J D	J	
6020A	SO	AOPSF501	680-117942-51	Normal	10	CADMIUM	0.043	mg/kg	J D	U	bl
6020A	SO	AOPSF501	680-117942-51	Normal	10	POTASSIUM	410	mg/kg	J D	J	
6020A	SO	AOPSF501	680-117942-51	Normal	10	SELENIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSF501	680-117942-51	Normal	10	SILVER	0.046	mg/kg	J D	J	
6020A	SO	AOPSF501	680-117942-51	Normal	10	SODIUM	400	mg/kg	J D	J	
8081B	SO	AOPSF501	680-117942-51	Normal	10	4,4-DDE	0.013	mg/kg	J D	J	
8081B	SO	AOPSF501	680-117942-51	Normal	10	4,4-DDT	0.016	mg/kg	U	UJ	c
8081B	SO	AOPSF501	680-117942-51	Normal	10	CHLORDANE	0.21	mg/kg	U	UJ	c
8081B	SO	AOPSF501	680-117942-51	Normal	10	CHLOROBENZILATE	1.9	mg/kg	U Q	UJ	c
8081B	SO	AOPSF501	680-117942-51	Normal	10	KEPONE	1.1	mg/kg	U Q	UJ	c
8081B	SO	AOPSF501	680-117942-51	Normal	10	TOXAPHENE	0.42	mg/kg	U	UJ	c
8151A	SO	AOPSF501	680-117942-51	Normal	10	2,4-DB	0.05	mg/kg	U Q	UJ	l
8151A	SO	AOPSF501	680-117942-51	Normal	10	DALAPON	0.08	mg/kg	U	UJ	c
8270D	SO	AOPSF501	680-117942-51	Normal	1	1,4-DIOXANE	1.6	mg/kg	U Q	UJ	c
8270D	SO	AOPSF501	680-117942-51	Normal	1	BENZO[A]ANTHRACENE	0.018	mg/kg	J	J	
8270D	SO	AOPSF501	680-117942-51	Normal	1	BENZO[A]PYRENE	0.026	mg/kg	J	J	
8270D	SO	AOPSF501	680-117942-51	Normal	1	BENZO[G,H,I]PERYLENE	0.034	mg/kg	J	J	
8270D	SO	AOPSF501	680-117942-51	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.33	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSF501	680-117942-51	Normal	1	PHENANTHRENE	0.026	mg/kg	J	J	
6020A	SO	AOPSF701	680-117942-52	Normal	10	ANTIMONY	0.17	mg/kg	J D	J	
6020A	SO	AOPSF701	680-117942-52	Normal	10	ARSENIC	2.7	mg/kg	J D	J	
6020A	SO	AOPSF701	680-117942-52	Normal	10	BERYLLIUM	0.2	mg/kg	J D	J	
6020A	SO	AOPSF701	680-117942-52	Normal	10	CADMIUM	0.039	mg/kg	J D	U	bl
6020A	SO	AOPSF701	680-117942-52	Normal	10	POTASSIUM	500	mg/kg	J D	J	
6020A	SO	AOPSF701	680-117942-52	Normal	10	SELENIUM	0.39	mg/kg	J D	J	
6020A	SO	AOPSF701	680-117942-52	Normal	10	SILVER	0.039	mg/kg	J D	J	
6020A	SO	AOPSF701	680-117942-52	Normal	10	SODIUM	250	mg/kg	J D	J	
8081B	SO	AOPSF701	680-117942-52	Normal	10	4,4-DDT	0.015	mg/kg	U	UJ	c
8081B	SO	AOPSF701	680-117942-52	Normal	10	CHLORDANE	0.2	mg/kg	U	UJ	c
8081B	SO	AOPSF701	680-117942-52	Normal	10	CHLOROBENZILATE	1.7	mg/kg	U Q	UJ	c
8081B	SO	AOPSF701	680-117942-52	Normal	10	KEPONE	1	mg/kg	U Q	UJ	c
8081B	SO	AOPSF701	680-117942-52	Normal	10	TOXAPHENE	0.39	mg/kg	U	UJ	c
8151A	SO	AOPSF701	680-117942-52	Normal	10	2,4-DB	0.052	mg/kg	U Q	UJ	l
8151A	SO	AOPSF701	680-117942-52	Normal	10	DALAPON	0.083	mg/kg	U	UJ	c
8270D	SO	AOPSF701	680-117942-52	Normal	1	1,4-DIOXANE	1.7	mg/kg	U Q	UJ	c
8270D	SO	AOPSF701	680-117942-52	Normal	1	BENZO[A]PYRENE	0.015	mg/kg	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSF701	680-117942-52	Normal	1	BENZO[B]FLUORANTHENE	0.029	mg/kg	J	J	
8270D	SO	AOPSF701	680-117942-52	Normal	1	FLUORANTHENE	0.017	mg/kg	J	J	
8270D	SO	AOPSF701	680-117942-52	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.34	mg/kg	U Q	UJ	l,c
6020A	SO	AOPSH301	680-117942-53	Normal	10	ANTIMONY	0.14	mg/kg	J D	J	
6020A	SO	AOPSH301	680-117942-53	Normal	10	ARSENIC	1.2	mg/kg	J D	J	
6020A	SO	AOPSH301	680-117942-53	Normal	10	BERYLLIUM	0.2	mg/kg	J D	J	
6020A	SO	AOPSH301	680-117942-53	Normal	10	CADMIUM	0.043	mg/kg	J D	U	bl
6020A	SO	AOPSH301	680-117942-53	Normal	10	IRON	36000	mg/kg	D J	J	
6020A	SO	AOPSH301	680-117942-53	Normal	50	MAGNESIUM	85000	mg/kg	J D	J	
6020A	SO	AOPSH301	680-117942-53	Normal	10	SELENIUM	0.5	mg/kg	J D	J	
6020A	SO	AOPSH301	680-117942-53	Normal	10	SILVER	0.031	mg/kg	J D	J	
6020A	SO	AOPSH301	680-117942-53	Normal	10	SODIUM	69	mg/kg	J D	J	
7471B	SO	AOPSH301	680-117942-53	Normal	1	MERCURY	0.018	mg/kg	J	J	
8015C_D	SO	AOPSH301	680-117942-53	Normal	5	TPH-C10-28	87	mg/kg	U J	UJ	ld
8015C_G	SO	AOPSH301	680-117942-53	Normal	1	TPH-GASOLINE RANGE C6-C10	0.58	mg/kg	J	J	
8081B	SO	AOPSH301	680-117942-53	Normal	1	4,4-DDD	0.0013	mg/kg	U Q	UJ	c
8081B	SO	AOPSH301	680-117942-53	Normal	1	4,4-DDE	0.0017	mg/kg	J	J	
8081B	SO	AOPSH301	680-117942-53	Normal	1	4,4-DDT	0.0014	mg/kg	J Q	J	c
8081B	SO	AOPSH301	680-117942-53	Normal	1	AROCLOR-1232	0.045	mg/kg	U	UJ	c
8081B	SO	AOPSH301	680-117942-53	Normal	1	CHLORDANE	0.023	mg/kg	U Q	UJ	c
8081B	SO	AOPSH301	680-117942-53	Normal	1	CHLOROBENZILATE	0.2	mg/kg	U Q	UJ	m
8081B	SO	AOPSH301	680-117942-53	Normal	1	KEPONE	0.12	mg/kg	U Q	UJ	c
8081B	SO	AOPSH301	680-117942-53	Normal	1	METHOXYCHLOR	0.0025	mg/kg	U Q	UJ	c
8081B	SO	AOPSH301	680-117942-53	Normal	1	TOXAPHENE	0.045	mg/kg	U Q	UJ	c
8141A	SO	AOPSH301	680-117942-53	Normal	10	ATRAZINE	350	µg/kg	U J	U	
8141A	SO	AOPSH301	680-117942-53	Normal	10	DICHLORVOS	180	µg/kg	U Q	UJ	c
8141A	SO	AOPSH301	680-117942-53	Normal	10	MERPHOS	180	µg/kg	U J	U	
8141A	SO	AOPSH301	680-117942-53	Normal	10	PROPAZINE	350	µg/kg	U J	UJ	ld
8151A	SO	AOPSH301	680-117942-53	Normal	1	DALAPON	0.0093	mg/kg	U	UJ	c
8270D	SO	AOPSH301	680-117942-53	Normal	1	1,1-BIPHENYL	9.9	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,3,4,6-TETRACHLOROPHENOL	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,4,5-TRICHLOROPHENOL	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,4,6-TRICHLOROPHENOL	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,4-DICHLOROPHENOL	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,4-DIMETHYLPHENOL	0.99	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,4-DINITROPHENOL	7.5	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,4-DINITROTOLUENE	0.99	mg/kg	U J Q	UJ	l

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSH301	680-117942-53	Normal	1	2,6-DINITROTOLUENE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	2-CHLORONAPHTHALENE	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	2-CHLOROPHENOL	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	2-NITROANILINE	0.39	mg/kg	U J Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	2-NITROPHENOL	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	3- AND 4-METHYLPHENOL	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	3,3-DICHLOROBENZIDINE	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	4,6-DINITRO-2-METHYLPHENOL	1.9	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	4-CHLORO-3-METHYLPHENOL	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	4-CHLOROANILINE	0.99	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.39	mg/kg	U J Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	4-NITROANILINE	0.99	mg/kg	U Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	4-NITROPHENOL	3.9	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	ACETOPHENONE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	ATRAZINE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	BENZALDEHYDE	0.99	mg/kg	U J Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	BENZO[A]PYRENE	0.013	mg/kg	J	J	
8270D	SO	AOPSH301	680-117942-53	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	BIS(2-CHLOROETHYL)ETHER	0.99	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.39	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	BUTYLBENZYLPHTHALATE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	CAPROLACTAM	0.99	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	CARBAZOLE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	DIBENZOFURAN	0.39	mg/kg	U J Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	DIETHYLPHTHALATE	0.39	mg/kg	U J Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	DIMETHYL PHTHALATE	0.39	mg/kg	U J Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	DI-N-BUTYLPHTHALATE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	DI-N-OCTYLPHTHALATE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	FLUORANTHENE	0.039	mg/kg	U J	UJ	ld
8270D	SO	AOPSH301	680-117942-53	Normal	1	HEXACHLOROBENZENE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.39	mg/kg	U J Q	UJ	l
8270D	SO	AOPSH301	680-117942-53	Normal	1	ISOPHORONE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	NITROBENZENE	0.39	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	N-NITROSODIPHENYLAMINE	0.48	mg/kg	U J	U	
8270D	SO	AOPSH301	680-117942-53	Normal	1	PENTACHLOROPHENOL	3.9	mg/kg	U J	U	
6020A	SO	AOPSH401	680-117942-54	Normal	10	ANTIMONY	0.14	mg/kg	J D	J	
6020A	SO	AOPSH401	680-117942-54	Normal	10	ARSENIC	0.75	mg/kg	J D	U	bl

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSH401	680-117942-54	Normal	10	BERYLLIUM	0.18	mg/kg	J D	J	
6020A	SO	AOPSH401	680-117942-54	Normal	10	CADMIUM	0.45	mg/kg	J D	J	
6020A	SO	AOPSH401	680-117942-54	Normal	10	SELENIUM	0.4	mg/kg	J D	J	
6020A	SO	AOPSH401	680-117942-54	Normal	10	SILVER	0.04	mg/kg	J D	J	
6020A	SO	AOPSH401	680-117942-54	Normal	10	SODIUM	89	mg/kg	J D	J	
7471B	SO	AOPSH401	680-117942-54	Normal	1	MERCURY	0.025	mg/kg	J	J	
8081B	SO	AOPSH401	680-117942-54	Normal	5	CHLORDANE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSH401	680-117942-54	Normal	5	CHLOROBENZILATE	1	mg/kg	U	UJ	c
8081B	SO	AOPSH401	680-117942-54	Normal	5	KEPONE	0.63	mg/kg	U	UJ	c
8081B	SO	AOPSH401	680-117942-54	Normal	5	TOXAPHENE	0.23	mg/kg	U	UJ	c
8141A	SO	AOPSH401	680-117942-54	Normal	10	DICHLORVOS	200	µg/kg	U	UJ	c
8151A	SO	AOPSH401	680-117942-54	Normal	1	2,4-DB	0.0059	mg/kg	U Q	UJ	l
8151A	SO	AOPSH401	680-117942-54	Normal	1	DALAPON	0.0094	mg/kg	U	UJ	c
8151A	SO	AOPSH401	680-117942-54	Normal	1	PENTACHLOROPHENOL	0.00056	mg/kg	J M	J	
8270D	SO	AOPSH401	680-117942-54	Normal	1	BENZALDEHYDE	0.99	mg/kg	U	UJ	c
8270D	SO	AOPSH401	680-117942-54	Normal	1	DIBENZ[A,H]ANTHRACENE	0.021	mg/kg	J	J	
8270D	SO	AOPSH401	680-117942-54	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.39	mg/kg	U Q	UJ	l
6020A	SO	AOPSH501	680-117942-55	Normal	10	ANTIMONY	0.71	mg/kg	J D	J	
6020A	SO	AOPSH501	680-117942-55	Normal	10	ARSENIC	4.8	mg/kg	J D	J	
6020A	SO	AOPSH501	680-117942-55	Normal	10	BERYLLIUM	0.22	mg/kg	J D	J	
6020A	SO	AOPSH501	680-117942-55	Normal	10	SELENIUM	0.5	mg/kg	J D	J	
6020A	SO	AOPSH501	680-117942-55	Normal	10	SILVER	0.91	mg/kg	J D	J	
6020A	SO	AOPSH501	680-117942-55	Normal	10	SODIUM	630	mg/kg	J D	J	
7471B	SO	AOPSH501	680-117942-55	Normal	1	MERCURY	0.042	mg/kg	J	J	
8081B	SO	AOPSH501	680-117942-55	Normal	10	4,4-DDE	0.016	mg/kg	J D	J	
8081B	SO	AOPSH501	680-117942-55	Normal	10	4,4-DDT	0.0094	mg/kg	J D	J	c
8081B	SO	AOPSH501	680-117942-55	Normal	10	CHLORDANE	0.23	mg/kg	U	UJ	c
8081B	SO	AOPSH501	680-117942-55	Normal	10	CHLOROBENZILATE	2	mg/kg	U Q	UJ	c
8081B	SO	AOPSH501	680-117942-55	Normal	10	KEPONE	1.2	mg/kg	U Q	UJ	c
8081B	SO	AOPSH501	680-117942-55	Normal	10	TOXAPHENE	0.44	mg/kg	U	UJ	c
8141A	SO	AOPSH501	680-117942-55	Normal	10	DICHLORVOS	200	µg/kg	U	UJ	c
8151A	SO	AOPSH501	680-117942-55	Normal	5	2,4-DB	0.029	mg/kg	U Q	UJ	l
8151A	SO	AOPSH501	680-117942-55	Normal	5	DALAPON	0.046	mg/kg	U	UJ	c
8270D	SO	AOPSH501	680-117942-55	Normal	1	1,1-BIPHENYL	9.5	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	s,c
8270D	SO	AOPSH501	680-117942-55	Normal	5	1-METHYLNAPHTHALENE	0.095	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.37	mg/kg	U	UJ	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,3,4,6-TETRACHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,4,5-TRICHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,4,6-TRICHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,4-DICHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,4-DIMETHYLPHENOL	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,4-DINITROPHENOL	7.3	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,4-DINITROTOLUENE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2,6-DINITROTOLUENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2-CHLORONAPHTHALENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2-CHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	2-METHYLNAPHTHALENE	0.19	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2-METHYLPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2-NITROANILINE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	2-NITROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	3- AND 4-METHYLPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	3,3-DICHLOROBENZIDINE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	3-NITROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	4,6-DINITRO-2-METHYLPHENOL	1.8	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	4-CHLORO-3-METHYLPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	4-CHLOROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	4-NITROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	4-NITROPHENOL	3.7	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	ACENAPHTHENE	0.19	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	ACENAPHTHYLENE	0.19	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	ACETOPHENONE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	ANTHRACENE	0.19	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	ATRAZINE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	BENZALDEHYDE	0.95	mg/kg	U Q	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	BENZO[A]ANTHRACENE	0.33	mg/kg	D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	BENZO[A]PYRENE	0.56	mg/kg	D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	BENZO[B]FLUORANTHENE	1.2	mg/kg	D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	BENZO[G,H,I]PERYLENE	0.38	mg/kg	D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	BENZO[K]FLUORANTHENE	0.095	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	BIS(2-CHLOROETHYL)ETHER	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.27	mg/kg	J	J	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSH501	680-117942-55	Normal	1	BUTYLBENZYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	CAPROLACTAM	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	CARBAZOLE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	CHRYSENE	0.48	mg/kg	D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	DIBENZ[A,H]ANTHRACENE	0.19	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	DIBENZOFURAN	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	DIETHYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	DIMETHYL PHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	DI-N-BUTYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	DI-N-OCTYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	FLUORANTHENE	0.53	mg/kg	D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	FLUORENE	0.19	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	HEXACHLOROBENZENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	HEXACHLOROBUTADIENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	s,l,c
8270D	SO	AOPSH501	680-117942-55	Normal	1	HEXACHLOROETHANE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	INDENO[1,2,3-CD]PYRENE	0.3	mg/kg	D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	ISOPHORONE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	NAPHTHALENE	0.19	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	NITROBENZENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	N-NITROSODINPROPYLAMINE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	N-NITROSODIPHENYLAMINE	0.46	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	PENTACHLOROPHENOL	3.7	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	PHENANTHRENE	0.16	mg/kg	J D	J	s
8270D	SO	AOPSH501	680-117942-55	Normal	1	PHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPSH501	680-117942-55	Normal	5	PYRENE	0.47	mg/kg	D	J	s
6020A	SO	AOPCH501	680-117942-56	Duplicate	10	ANTIMONY	0.68	mg/kg	J D	J	
6020A	SO	AOPCH501	680-117942-56	Duplicate	10	ARSENIC	4.6	mg/kg	J D	J	
6020A	SO	AOPCH501	680-117942-56	Duplicate	10	BERYLLIUM	0.22	mg/kg	J D	J	
6020A	SO	AOPCH501	680-117942-56	Duplicate	10	SELENIUM	0.5	mg/kg	J D	J	
6020A	SO	AOPCH501	680-117942-56	Duplicate	10	SILVER	0.86	mg/kg	J D	J	
6020A	SO	AOPCH501	680-117942-56	Duplicate	10	SODIUM	610	mg/kg	J D	J	
7471B	SO	AOPCH501	680-117942-56	Duplicate	1	MERCURY	0.043	mg/kg	J	J	
8081B	SO	AOPCH501	680-117942-56	Duplicate	10	4,4-DDE	0.016	mg/kg	J D	J	
8081B	SO	AOPCH501	680-117942-56	Duplicate	10	4,4-DDT	0.0099	mg/kg	J D M	J	
8081B	SO	AOPCH501	680-117942-56	Duplicate	10	CHLORDANE	0.24	mg/kg	U	UJ	c
8081B	SO	AOPCH501	680-117942-56	Duplicate	10	CHLOROBENZILATE	2	mg/kg	U Q	UJ	c
8081B	SO	AOPCH501	680-117942-56	Duplicate	10	KEPONE	1.2	mg/kg	U Q	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8081B	SO	AOPCH501	680-117942-56	Duplicate	10	TOXAPHENE	0.46	mg/kg	U	UJ	c
8141A	SO	AOPCH501	680-117942-56	Duplicate	10	DICHLORVOS	200	µg/kg	U	UJ	c
8151A	SO	AOPCH501	680-117942-56	Duplicate	10	2,4-DB	0.058	mg/kg	U Q	UJ	l
8151A	SO	AOPCH501	680-117942-56	Duplicate	10	DALAPON	0.092	mg/kg	U	UJ	c
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	1,1-BIPHENYL	9.5	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	1,2,4,5-TETRACHLOROBENZENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	s,c
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	1-METHYLNAPHTHALENE	0.098	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,3,4,6-TETRACHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,4,5-TRICHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,4,6-TRICHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,4-DICHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,4-DIMETHYLPHENOL	0.95	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,4-DINITROPHENOL	7.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,4-DINITROTOLUENE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2,6-DINITROTOLUENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2-CHLORONAPHTHALENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2-CHLOROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	2-METHYLNAPHTHALENE	0.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2-METHYLPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2-NITROANILINE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	2-NITROPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	3- AND 4-METHYLPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	3,3-DICHLOROBENZIDINE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	3-NITROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	4,6-DINITRO-2-METHYLPHENOL	1.8	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	4-BROMOPHENYL-PHENYLETHER	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	4-CHLORO-3-METHYLPHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	4-CHLOROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	4-CHLOROPHENYL-PHENYLETHER	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	4-NITROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	4-NITROPHENOL	3.7	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	ACENAPHTHENE	0.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	ACENAPHTHYLENE	0.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	ACETOPHENONE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	ANTHRACENE	0.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	ATRAZINE	0.37	mg/kg	U	UJ	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	BENZALDEHYDE	0.95	mg/kg	U Q	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	BENZO[A]ANTHRACENE	0.37	mg/kg	D	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	BENZO[A]PYRENE	0.56	mg/kg	D	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	BENZO[B]FLUORANTHENE	0.97	mg/kg	D M	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	BENZO[G,H,I]PERYLENE	0.35	mg/kg	D	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	BENZO[K]FLUORANTHENE	0.37	mg/kg	D M	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	BIS(2-CHLOROETHOXY)METHANE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	BIS(2-CHLOROETHYL)ETHER	0.95	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.22	mg/kg	J	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	BUTYLBENZYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	CAPROLACTAM	0.95	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	CARBAZOLE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	CHRYSENE	0.54	mg/kg	D	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	DIBENZ[A,H]ANTHRACENE	0.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	DIBENZOFURAN	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	DIETHYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	DIMETHYL PHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	DI-N-BUTYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	DI-N-OCTYLPHTHALATE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	FLUORANTHENE	0.72	mg/kg	D	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	FLUORENE	0.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	HEXACHLOROBENZENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	HEXACHLOROBUTADIENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	s,l,c
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	HEXACHLOROETHANE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	INDENO[1,2,3-CD]PYRENE	0.28	mg/kg	D	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	ISOPHORONE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	NAPHTHALENE	0.2	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	NITROBENZENE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	N-NITROSODINPROPYLAMINE	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	N-NITROSODIPHENYLAMINE	0.46	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	PENTACHLOROPHENOL	3.7	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	PHENANTHRENE	0.26	mg/kg	D	J	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	1	PHENOL	0.37	mg/kg	U	UJ	s
8270D	SO	AOPCH501	680-117942-56	Duplicate	5	PYRENE	0.55	mg/kg	D	J	s
6020A	SO	AOPSJ201	680-117942-57	Normal	10	ANTIMONY	0.42	mg/kg	J D	J	
6020A	SO	AOPSJ201	680-117942-57	Normal	10	ARSENIC	2	mg/kg	J D	J	
6020A	SO	AOPSJ201	680-117942-57	Normal	10	BERYLLIUM	0.23	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSJ201	680-117942-57	Normal	10	CADMIUM	0.057	mg/kg	J D	U	bl
6020A	SO	AOPSJ201	680-117942-57	Normal	10	SELENIUM	0.54	mg/kg	J D	J	
6020A	SO	AOPSJ201	680-117942-57	Normal	10	SILVER	0.057	mg/kg	J D	J	
6020A	SO	AOPSJ201	680-117942-57	Normal	10	SODIUM	300	mg/kg	J D	J	
7471B	SO	AOPSJ201	680-117942-57	Normal	1	MERCURY	0.035	mg/kg	J	J	
8081B	SO	AOPSJ201	680-117942-57	Normal	5	4,4-DDE	0.02	mg/kg	J D	J	
8081B	SO	AOPSJ201	680-117942-57	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSJ201	680-117942-57	Normal	5	CHLOROBENZILATE	0.98	mg/kg	U	UJ	c
8081B	SO	AOPSJ201	680-117942-57	Normal	5	KEPONE	0.59	mg/kg	U	UJ	c
8081B	SO	AOPSJ201	680-117942-57	Normal	5	TOXAPHENE	0.22	mg/kg	U	UJ	c
8141A	SO	AOPSJ201	680-117942-57	Normal	10	DICHLORVOS	190	µg/kg	U	UJ	c
8151A	SO	AOPSJ201	680-117942-57	Normal	1	2,4-DB	0.0059	mg/kg	U Q	UJ	l
8151A	SO	AOPSJ201	680-117942-57	Normal	1	DALAPON	0.0094	mg/kg	U	UJ	c
8270D	SO	AOPSJ201	680-117942-57	Normal	1	1,1-BIPHENYL	9.5	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	1,4-DIOXANE	1.9	mg/kg	U Q	UJ	s,c
8270D	SO	AOPSJ201	680-117942-57	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	2,4-DINITROTOLUENE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	2,6-DINITROTOLUENE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	2-NITROANILINE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	3,3-DICHLOROBENZIDINE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	3-NITROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	4-CHLOROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	4-NITROANILINE	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	ACETOPHENONE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	ATRAZINE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	BENZALDEHYDE	0.95	mg/kg	U Q	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	BENZO[G,H,I]PERYLENE	0.033	mg/kg	J	J	
8270D	SO	AOPSJ201	680-117942-57	Normal	1	BENZO[K]FLUORANTHENE	0.021	mg/kg	J M	J	
8270D	SO	AOPSJ201	680-117942-57	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	BIS(2-CHLOROETHYL)ETHER	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	BUTYLBENZYLPHTHALATE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	CAPROLACTAM	0.95	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	CARBAZOLE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	DIBENZOFURAN	0.38	mg/kg	U	UJ	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSJ201	680-117942-57	Normal	1	DIETHYLPHTHALATE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	DIMETHYL PHTHALATE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	DI-N-BUTYLPHTHALATE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	DI-N-OCTYLPHTHALATE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	HEXACHLOROBENZENE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	HEXACHLOROBUTADIENE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.38	mg/kg	U Q	UJ	s,l,c
8270D	SO	AOPSJ201	680-117942-57	Normal	1	HEXACHLOROETHANE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	INDENO[1,2,3-CD]PYRENE	0.03	mg/kg	J	J	
8270D	SO	AOPSJ201	680-117942-57	Normal	1	ISOPHORONE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	NITROBENZENE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	N-NITROSODINPROPYLAMINE	0.38	mg/kg	U	UJ	s
8270D	SO	AOPSJ201	680-117942-57	Normal	1	N-NITROSODIPHENYLAMINE	0.47	mg/kg	U	UJ	s
6020A	SO	AOPSK201	680-117942-58	Normal	10	ANTIMONY	0.14	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	ARSENIC	2.7	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	BERYLLIUM	0.22	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	CADMIUM	0.17	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	50	CALCIUM	86000	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	POTASSIUM	860	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	SELENIUM	0.61	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	SILVER	0.028	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	SODIUM	280	mg/kg	J D	J	
6020A	SO	AOPSK201	680-117942-58	Normal	10	ZINC	38	mg/kg	J D	J	
7471B	SO	AOPSK201	680-117942-58	Normal	1	MERCURY	0.025	mg/kg	J	J	
8081B	SO	AOPSK201	680-117942-58	Normal	5	4,4-DDE	0.0099	mg/kg	J D	J	
8081B	SO	AOPSK201	680-117942-58	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSK201	680-117942-58	Normal	5	CHLOROBENZILATE	0.94	mg/kg	U	UJ	c
8081B	SO	AOPSK201	680-117942-58	Normal	5	KEPONE	0.57	mg/kg	U	UJ	c
8081B	SO	AOPSK201	680-117942-58	Normal	5	TOXAPHENE	0.21	mg/kg	U	UJ	c
8141A	SO	AOPSK201	680-117942-58	Normal	10	COUMAPHOS	88	µg/kg	U	UJ	c
8141A	SO	AOPSK201	680-117942-58	Normal	10	DICHLORVOS	190	µg/kg	U	UJ	c
8141A	SO	AOPSK201	680-117942-58	Normal	10	FENSULFOTHION	190	µg/kg	U	UJ	c
8141A	SO	AOPSK201	680-117942-58	Normal	10	MEVINPHOS	190	µg/kg	U	UJ	c
8141A	SO	AOPSK201	680-117942-58	Normal	100	NALED	7400	µg/kg	U	UJ	c
8141A	SO	AOPSK201	680-117942-58	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	190	µg/kg	U	UJ	c
8151A	SO	AOPSK201	680-117942-58	Normal	1	2,4-DB	0.0056	mg/kg	U Q	UJ	l
8151A	SO	AOPSK201	680-117942-58	Normal	1	DALAPON	0.009	mg/kg	U	UJ	c
8270D	SO	AOPSK201	680-117942-58	Normal	1	1,4-DIOXANE	1.8	mg/kg	U Q	UJ	c

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSK201	680-117942-58	Normal	1	BENZO[A]ANTHRACENE	0.033	mg/kg	J	J	
8270D	SO	AOPSK201	680-117942-58	Normal	1	BENZO[A]PYRENE	0.028	mg/kg	J	J	
8270D	SO	AOPSK201	680-117942-58	Normal	1	BENZO[G,H,I]PERYLENE	0.02	mg/kg	J	J	
8270D	SO	AOPSK201	680-117942-58	Normal	1	BENZO[K]FLUORANTHENE	0.016	mg/kg	J M	J	
8270D	SO	AOPSK201	680-117942-58	Normal	1	FLUORANTHENE	0.037	mg/kg	J	J	
8270D	SO	AOPSK201	680-117942-58	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	l,c
8270D	SO	AOPSK201	680-117942-58	Normal	1	INDENO[1,2,3-CD]PYRENE	0.022	mg/kg	J	J	
8270D	SO	AOPSK201	680-117942-58	Normal	1	PYRENE	0.036	mg/kg	J	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	ANTIMONY	0.28	mg/kg	J D	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	BERYLLIUM	0.27	mg/kg	J D	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	CADMIUM	0.27	mg/kg	J D	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	POTASSIUM	970	mg/kg	J D	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	SELENIUM	0.53	mg/kg	J D	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	SILVER	0.081	mg/kg	J D	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	SODIUM	250	mg/kg	J D	J	
6020A	SO	AOPSK301	680-117942-59	Normal	10	THALLIUM	0.1	mg/kg	J D	J	
8081B	SO	AOPSK301	680-117942-59	Normal	5	4,4-DDT	0.013	mg/kg	J D	J	
8081B	SO	AOPSK301	680-117942-59	Normal	5	CHLORDANE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPSK301	680-117942-59	Normal	5	CHLOROBENZILATE	0.99	mg/kg	U	UJ	c
8081B	SO	AOPSK301	680-117942-59	Normal	5	GAMMA-CHLORDANE	0.0045	mg/kg	J D	J	
8081B	SO	AOPSK301	680-117942-59	Normal	5	KEPONE	0.6	mg/kg	U	UJ	c
8081B	SO	AOPSK301	680-117942-59	Normal	5	TOXAPHENE	0.22	mg/kg	U	UJ	c
8141A	SO	AOPSK301	680-117942-59	Normal	10	COUMAPHOS	83	µg/kg	U	UJ	c
8141A	SO	AOPSK301	680-117942-59	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSK301	680-117942-59	Normal	10	FENSULFOTHION	180	µg/kg	U	UJ	c
8141A	SO	AOPSK301	680-117942-59	Normal	10	MEVINPHOS	180	µg/kg	U	UJ	c
8141A	SO	AOPSK301	680-117942-59	Normal	100	NALED	6900	µg/kg	U	UJ	c
8141A	SO	AOPSK301	680-117942-59	Normal	10	O,O,O-TRIETHYL PHOSPHOROTHIOATE	180	µg/kg	U	UJ	c
8151A	SO	AOPSK301	680-117942-59	Normal	1	2,4-DB	0.0056	mg/kg	U Q	UJ	l
8151A	SO	AOPSK301	680-117942-59	Normal	1	DALAPON	0.0089	mg/kg	U	UJ	c
8270D	SO	AOPSK301	680-117942-59	Normal	1	1,1-BIPHENYL	8.8	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	1,4-DIOXANE	1.7	mg/kg	U Q	UJ	s,c
8270D	SO	AOPSK301	680-117942-59	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	2,4-DINITROTOLUENE	0.88	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	2,6-DINITROTOLUENE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	2-NITROANILINE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	3,3-DICHLOROBENZIDINE	0.35	mg/kg	U	UJ	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSK301	680-117942-59	Normal	1	3-NITROANILINE	0.88	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	4-CHLOROANILINE	0.88	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	4-NITROANILINE	0.88	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	ACETOPHENONE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	ATRAZINE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	BENZALDEHYDE	0.88	mg/kg	U Q	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	BENZO[A]ANTHRACENE	0.023	mg/kg	J	J	
8270D	SO	AOPSK301	680-117942-59	Normal	1	BENZO[A]PYRENE	0.023	mg/kg	J	J	
8270D	SO	AOPSK301	680-117942-59	Normal	1	BENZO[G,H,I]PERYLENE	0.02	mg/kg	J	J	
8270D	SO	AOPSK301	680-117942-59	Normal	1	BENZO[K]FLUORANTHENE	0.012	mg/kg	J M	J	
8270D	SO	AOPSK301	680-117942-59	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	BIS(2-CHLOROETHYL)ETHER	0.88	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	BUTYLBENZYLPHTHALATE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	CAPROLACTAM	0.88	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	CARBAZOLE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	DIBENZOFURAN	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	DIETHYLPHTHALATE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	DIMETHYL PHTHALATE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	DI-N-BUTYLPHTHALATE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	DI-N-OCTYLPHTHALATE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	HEXACHLOROBENZENE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	HEXACHLOROBUTADIENE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.35	mg/kg	U Q	UJ	s,l,c
8270D	SO	AOPSK301	680-117942-59	Normal	1	HEXACHLOROETHANE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	ISOPHORONE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	NITROBENZENE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	N-NITROSODINPROPYLAMINE	0.35	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	N-NITROSODIPHENYLAMINE	0.43	mg/kg	U	UJ	s
8270D	SO	AOPSK301	680-117942-59	Normal	1	PHENANTHRENE	0.02	mg/kg	J	J	
6020A	SO	AOPSK501	680-117942-60	Normal	10	ANTIMONY	0.27	mg/kg	J D	J	
6020A	SO	AOPSK501	680-117942-60	Normal	10	ARSENIC	3.1	mg/kg	J D	J	
6020A	SO	AOPSK501	680-117942-60	Normal	10	BERYLLIUM	0.36	mg/kg	J D	J	
6020A	SO	AOPSK501	680-117942-60	Normal	10	CADMIUM	0.37	mg/kg	J D	J	
6020A	SO	AOPSK501	680-117942-60	Normal	10	SELENIUM	0.91	mg/kg	J D	J	
6020A	SO	AOPSK501	680-117942-60	Normal	10	SILVER	0.038	mg/kg	J D	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
6020A	SO	AOPSK501	680-117942-60	Normal	10	SODIUM	500	mg/kg	J D	J	
8081B	SO	AOPSK501	680-117942-60	Normal	10	4,4-DDT	0.023	mg/kg	U	UJ	c
8081B	SO	AOPSK501	680-117942-60	Normal	10	CHLORDANE	0.31	mg/kg	U	UJ	c
8081B	SO	AOPSK501	680-117942-60	Normal	10	CHLOROBENZILATE	2.7	mg/kg	U Q	UJ	c
8081B	SO	AOPSK501	680-117942-60	Normal	10	KEPONE	1.6	mg/kg	U Q	UJ	c
8081B	SO	AOPSK501	680-117942-60	Normal	10	TOXAPHENE	0.61	mg/kg	U	UJ	c
8141A	SO	AOPSK501	680-117942-60	Normal	10	DICHLORVOS	250	µg/kg	U	UJ	c
8141A	SO	AOPSK501	680-117942-60	Normal	1	NALED	99	µg/kg	U	UJ	s,c
8151A	SO	AOPSK501	680-117942-60	Normal	10	2,4-DB	0.077	mg/kg	U Q	UJ	l
8151A	SO	AOPSK501	680-117942-60	Normal	10	DALAPON	0.12	mg/kg	U	UJ	c
8270D	SO	AOPSK501	680-117942-60	Normal	1	1,1-BIPHENYL	12	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	1,2,4,5-TETRACHLOROBENZENE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	1,4-DIOXANE	2.4	mg/kg	U Q	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	2,2'-OXYBIS(1-CHLOROPROPANE)	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	2,4-DINITROTOLUENE	1.2	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	2,6-DINITROTOLUENE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	2-NITROANILINE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	3,3-DICHLOROBENZIDINE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	3-NITROANILINE	1.2	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	4-BROMOPHENYL-PHENYLETHER	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	4-CHLOROANILINE	1.2	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	4-NITROANILINE	1.2	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	ACETOPHENONE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	ATRAZINE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	BENZALDEHYDE	1.2	mg/kg	U Q	UJ	s,c
8270D	SO	AOPSK501	680-117942-60	Normal	5	BENZO[A]PYRENE	0.081	mg/kg	J D	J	
8270D	SO	AOPSK501	680-117942-60	Normal	5	BENZO[B]FLUORANTHENE	0.19	mg/kg	J D M	J	
8270D	SO	AOPSK501	680-117942-60	Normal	1	BIS(2-CHLOROETHOXY)METHANE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	BIS(2-CHLOROETHYL)ETHER	1.2	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	BUTYLBENZYLPHTHALATE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	CAPROLACTAM	1.2	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	CARBAZOLE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	DIBENZOFURAN	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	DIETHYLPHTHALATE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	DIMETHYL PHTHALATE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	DI-N-BUTYLPHTHALATE	0.49	mg/kg	U	UJ	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSK501	680-117942-60	Normal	1	DI-N-OCTYLPHTHALATE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	HEXACHLOROBENZENE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	HEXACHLOROBUTADIENE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.49	mg/kg	U Q	UJ	s,l
8270D	SO	AOPSK501	680-117942-60	Normal	1	HEXACHLOROETHANE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	ISOPHORONE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	NITROBENZENE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	N-NITROSODINPROPYLAMINE	0.49	mg/kg	U	UJ	s
8270D	SO	AOPSK501	680-117942-60	Normal	1	N-NITROSODIPHENYLAMINE	0.6	mg/kg	U	UJ	s
6020A	SO	AOPSL301	680-117942-61	Normal	10	ANTIMONY	0.18	mg/kg	J D	J	
6020A	SO	AOPSL301	680-117942-61	Normal	10	ARSENIC	1.7	mg/kg	J D	J	
6020A	SO	AOPSL301	680-117942-61	Normal	10	BERYLLIUM	0.29	mg/kg	J D	J	
6020A	SO	AOPSL301	680-117942-61	Normal	10	CADMIUM	0.24	mg/kg	J D	J	
6020A	SO	AOPSL301	680-117942-61	Normal	10	SELENIUM	0.65	mg/kg	J D	J	
6020A	SO	AOPSL301	680-117942-61	Normal	10	SILVER	0.056	mg/kg	J D	J	
6020A	SO	AOPSL301	680-117942-61	Normal	10	SODIUM	140	mg/kg	J D	J	
7471B	SO	AOPSL301	680-117942-61	Normal	1	MERCURY	0.035	mg/kg	J	J	
8015C_G	SO	AOPSL301	680-117942-61	Normal	1	TPH-GASOLINE RANGE C6-C10	1.3	mg/kg	U H	UJ	h
8081B	SO	AOPSL301	680-117942-61	Normal	5	4,4-DDT	0.0087	mg/kg	U	UJ	c
8081B	SO	AOPSL301	680-117942-61	Normal	5	CHLORDANE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSL301	680-117942-61	Normal	5	CHLOROBENZILATE	1	mg/kg	U	UJ	c
8081B	SO	AOPSL301	680-117942-61	Normal	5	KEPONE	0.61	mg/kg	U	UJ	c
8081B	SO	AOPSL301	680-117942-61	Normal	5	TOXAPHENE	0.23	mg/kg	U	UJ	c
8141A	SO	AOPSL301	680-117942-61	Normal	10	DICHLORVOS	170	µg/kg	U Q	UJ	c
8151A	SO	AOPSL301	680-117942-61	Normal	1	2,4-DB	0.0055	mg/kg	U Q	UJ	l
8151A	SO	AOPSL301	680-117942-61	Normal	1	DALAPON	0.0089	mg/kg	U	UJ	c
8151A	SO	AOPSL301	680-117942-61	Normal	1	PENTACHLOROPHENOL	0.0008	mg/kg	J	J	r
8270D	SO	AOPSL301	680-117942-61	Normal	1	BENZALDEHYDE	0.93	mg/kg	U Q	UJ	c
8270D	SO	AOPSL301	680-117942-61	Normal	1	BENZO[A]ANTHRACENE	0.53	mg/kg		J	fd
8270D	SO	AOPSL301	680-117942-61	Normal	1	BENZO[A]PYRENE	0.46	mg/kg		J	fd
8270D	SO	AOPSL301	680-117942-61	Normal	1	BENZO[B]FLUORANTHENE	0.61	mg/kg	M	J	fd
8270D	SO	AOPSL301	680-117942-61	Normal	1	BENZO[G,H,I]PERYLENE	0.24	mg/kg		J	fd
8270D	SO	AOPSL301	680-117942-61	Normal	1	CHRYSENE	0.56	mg/kg		J	fd
8270D	SO	AOPSL301	680-117942-61	Normal	1	FLUORANTHENE	1.1	mg/kg		J	fd
8270D	SO	AOPSL301	680-117942-61	Normal	1	FLUORENE	0.028	mg/kg	J	J	
8270D	SO	AOPSL301	680-117942-61	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	l
8270D	SO	AOPSL301	680-117942-61	Normal	1	INDENO[1,2,3-CD]PYRENE	0.29	mg/kg		J	fd
8270D	SO	AOPSL301	680-117942-61	Normal	1	PHENANTHRENE	0.69	mg/kg		J	fd

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSL301	680-117942-61	Normal	1	PYRENE	0.83	mg/kg		J	fd
6020A	SO	AOPCL301	680-117942-62	Duplicate	10	ANTIMONY	0.2	mg/kg	J D	J	
6020A	SO	AOPCL301	680-117942-62	Duplicate	10	ARSENIC	1.6	mg/kg	J D	J	
6020A	SO	AOPCL301	680-117942-62	Duplicate	10	BERYLLIUM	0.3	mg/kg	J D	J	
6020A	SO	AOPCL301	680-117942-62	Duplicate	10	CADMIUM	0.24	mg/kg	J D	J	
6020A	SO	AOPCL301	680-117942-62	Duplicate	10	SELENIUM	0.63	mg/kg	J D	J	
6020A	SO	AOPCL301	680-117942-62	Duplicate	10	SILVER	0.062	mg/kg	J D	J	
6020A	SO	AOPCL301	680-117942-62	Duplicate	10	SODIUM	140	mg/kg	J D	J	
7471B	SO	AOPCL301	680-117942-62	Duplicate	1	MERCURY	0.041	mg/kg	J	J	
8015C_G	SO	AOPCL301	680-117942-62	Duplicate	1	TPH-GASOLINE RANGE C6-C10	1.2	mg/kg	U H	UJ	h
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	4,4-DDD	0.0012	mg/kg	U	UJ	c
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	4,4-DDE	0.0023	mg/kg	J	J	
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	4,4-DDT	0.0033	mg/kg	J	J	c
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	AROCLOR-1232	0.042	mg/kg	U	UJ	c
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	CHLORDANE	0.022	mg/kg	U	UJ	c
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	CHLOROBENZILATE	0.19	mg/kg	U	UJ	c
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	ENDRIN KETONE	0.00081	mg/kg	J	J	r
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	KEPONE	0.11	mg/kg	U	UJ	c
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	METHOXYCHLOR	0.0024	mg/kg	U	UJ	c
8081B	SO	AOPCL301	680-117942-62	Duplicate	1	TOXAPHENE	0.042	mg/kg	U	UJ	c
8141A	SO	AOPCL301	680-117942-62	Duplicate	10	DICHLORVOS	170	µg/kg	U	UJ	c
8151A	SO	AOPCL301	680-117942-62	Duplicate	1	DALAPON	0.0089	mg/kg	U	UJ	c
8151A	SO	AOPCL301	680-117942-62	Duplicate	1	PENTACHLOROPHENOL	0.0013	mg/kg	J	J	
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	2,4-DINITROTOLUENE	0.94	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	2-NITROANILINE	0.37	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	4-CHLOROPHENYL-PHENYLETHER	0.37	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	4-NITROANILINE	0.94	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	ACENAPHTHENE	0.028	mg/kg	J	J	
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	BENZALDEHYDE	0.94	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	BENZO[A]ANTHRACENE	0.24	mg/kg		J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	BENZO[A]PYRENE	0.24	mg/kg		J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	BENZO[B]FLUORANTHENE	0.35	mg/kg	M	J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	BENZO[G,H,I]PERYLENE	0.11	mg/kg		J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.33	mg/kg	J	J	
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	CHRYSENE	0.28	mg/kg		J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	DIBENZOFURAN	0.37	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	DIETHYLPHTHALATE	0.37	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	DIMETHYL PHTHALATE	0.37	mg/kg	U Q	UJ	l

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	FLUORANTHENE	0.57	mg/kg		J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	HEXACHLOROCYCLOPENTADIENE	0.37	mg/kg	U Q	UJ	l
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	INDENO[1,2,3-CD]PYRENE	0.099	mg/kg		J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	PHENANTHRENE	0.29	mg/kg		J	fd
8270D	SO	AOPCL301	680-117942-62	Duplicate	1	PYRENE	0.39	mg/kg		J	fd
6020A	SO	AOPSL401	680-117942-63	Normal	10	ANTIMONY	0.39	mg/kg	J D	J	
6020A	SO	AOPSL401	680-117942-63	Normal	10	ARSENIC	2.4	mg/kg	J D	J	
6020A	SO	AOPSL401	680-117942-63	Normal	10	BERYLLIUM	0.29	mg/kg	J D	J	
6020A	SO	AOPSL401	680-117942-63	Normal	10	CADMIUM	0.32	mg/kg	J D	J	
6020A	SO	AOPSL401	680-117942-63	Normal	10	SELENIUM	0.9	mg/kg	J D	J	
6020A	SO	AOPSL401	680-117942-63	Normal	10	SILVER	0.049	mg/kg	J D	J	
6020A	SO	AOPSL401	680-117942-63	Normal	10	SODIUM	89	mg/kg	J D	J	
7471B	SO	AOPSL401	680-117942-63	Normal	1	MERCURY	0.061	mg/kg	J	J	
8015C_G	SO	AOPSL401	680-117942-63	Normal	1	TPH-GASOLINE RANGE C6-C10	1.2	mg/kg	U H	UJ	h
8081B	SO	AOPSL401	680-117942-63	Normal	1	4,4-DDD	0.0014	mg/kg	U	UJ	c
8081B	SO	AOPSL401	680-117942-63	Normal	1	4,4-DDE	0.0038	mg/kg	J	J	
8081B	SO	AOPSL401	680-117942-63	Normal	1	4,4-DDT	0.0041	mg/kg	J	J	c
8081B	SO	AOPSL401	680-117942-63	Normal	1	AROCLOR-1232	0.048	mg/kg	U	UJ	c
8081B	SO	AOPSL401	680-117942-63	Normal	1	CHLORDANE	0.025	mg/kg	U	UJ	c
8081B	SO	AOPSL401	680-117942-63	Normal	1	CHLOROBENZILATE	0.21	mg/kg	U	UJ	c
8081B	SO	AOPSL401	680-117942-63	Normal	1	DIELDRIN	0.0007	mg/kg	J	J	r
8081B	SO	AOPSL401	680-117942-63	Normal	1	KEPONE	0.13	mg/kg	U	UJ	c
8081B	SO	AOPSL401	680-117942-63	Normal	1	METHOXYCHLOR	0.0027	mg/kg	U	UJ	c
8081B	SO	AOPSL401	680-117942-63	Normal	1	TOXAPHENE	0.048	mg/kg	U	UJ	c
8141A	SO	AOPSL401	680-117942-63	Normal	10	DICHLORVOS	200	µg/kg	U	UJ	c
8151A	SO	AOPSL401	680-117942-63	Normal	1	PENTACHLOROPHENOL	0.00075	mg/kg	J	J	r
8270D	SO	AOPSL401	680-117942-63	Normal	1	2,4-DINITROTOLUENE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	2-NITROANILINE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	4-NITROANILINE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	BENZALDEHYDE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	BENZO[A]ANTHRACENE	0.021	mg/kg	J	J	
8270D	SO	AOPSL401	680-117942-63	Normal	1	BENZO[A]PYRENE	0.026	mg/kg	J	J	
8270D	SO	AOPSL401	680-117942-63	Normal	1	BENZO[K]FLUORANTHENE	0.012	mg/kg	J M	J	
8270D	SO	AOPSL401	680-117942-63	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.39	mg/kg	J	J	
8270D	SO	AOPSL401	680-117942-63	Normal	1	CHRYSENE	0.029	mg/kg	J	J	
8270D	SO	AOPSL401	680-117942-63	Normal	1	DIBENZOFURAN	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	DIETHYLPHTHALATE	0.41	mg/kg	U Q	UJ	l

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSL401	680-117942-63	Normal	1	DIMETHYL PHTHALATE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL401	680-117942-63	Normal	1	PHENANTHRENE	0.02	mg/kg	J	J	
8270D	SO	AOPSL401	680-117942-63	Normal	1	PYRENE	0.036	mg/kg	J	J	
6020A	SO	AOPSL501	680-117942-64	Normal	10	ANTIMONY	0.55	mg/kg	J D	J	
6020A	SO	AOPSL501	680-117942-64	Normal	10	ARSENIC	3.9	mg/kg	J D	J	
6020A	SO	AOPSL501	680-117942-64	Normal	10	CADMIUM	1.1	mg/kg	J D	J	
6020A	SO	AOPSL501	680-117942-64	Normal	10	SELENIUM	1.6	mg/kg	J D	J	
6020A	SO	AOPSL501	680-117942-64	Normal	10	SILVER	0.62	mg/kg	J D	J	
6020A	SO	AOPSL501	680-117942-64	Normal	10	SODIUM	300	mg/kg	J D	J	
6020A	SO	AOPSL501	680-117942-64	Normal	10	THALLIUM	0.91	mg/kg	J D	J	
7471B	SO	AOPSL501	680-117942-64	Normal	1	MERCURY	0.028	mg/kg	J	J	
8015C_G	SO	AOPSL501	680-117942-64	Normal	1	TPH-GASOLINE RANGE C6-C10	1.2	mg/kg	U H	UJ	h
8081B	SO	AOPSL501	680-117942-64	Normal	1	4,4-DDD	0.0013	mg/kg	U	UJ	c
8081B	SO	AOPSL501	680-117942-64	Normal	1	4,4-DDT	0.01	mg/kg	M	J	c
8081B	SO	AOPSL501	680-117942-64	Normal	1	ALPHA-CHLORDANE	0.01	mg/kg	M	J	r
8081B	SO	AOPSL501	680-117942-64	Normal	1	AROCLOR-1232	0.046	mg/kg	U	UJ	c
8081B	SO	AOPSL501	680-117942-64	Normal	1	CHLORDANE	0.023	mg/kg	J	J	c
8081B	SO	AOPSL501	680-117942-64	Normal	1	CHLOROBENZILATE	0.2	mg/kg	U	UJ	c
8081B	SO	AOPSL501	680-117942-64	Normal	1	DIELDRIN	0.0013	mg/kg	J	J	r
8081B	SO	AOPSL501	680-117942-64	Normal	1	ENDRIN KETONE	0.0027	mg/kg	J M	J	r
8081B	SO	AOPSL501	680-117942-64	Normal	1	GAMMA-CHLORDANE	0.0034	mg/kg	J M	J	
8081B	SO	AOPSL501	680-117942-64	Normal	1	KEPONE	0.12	mg/kg	U	UJ	c
8081B	SO	AOPSL501	680-117942-64	Normal	1	METHOXYCHLOR	0.0026	mg/kg	U	UJ	c
8081B	SO	AOPSL501	680-117942-64	Normal	1	TOXAPHENE	0.046	mg/kg	U	UJ	c
8141A	SO	AOPSL501	680-117942-64	Normal	10	DICHLORVOS	180	µg/kg	U	UJ	c
8151A	SO	AOPSL501	680-117942-64	Normal	1	DALAPON	0.0094	mg/kg	U	UJ	c
8151A	SO	AOPSL501	680-117942-64	Normal	1	PENTACHLOROPHENOL	0.00057	mg/kg	J	J	
8270D	SO	AOPSL501	680-117942-64	Normal	1	2,4-DINITROTOLUENE	0.99	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	2-NITROANILINE	0.39	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.39	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	4-NITROANILINE	0.99	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	BENZALDEHYDE	0.99	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	BENZO[G,H,I]PERYLENE	0.033	mg/kg	J	J	
8270D	SO	AOPSL501	680-117942-64	Normal	1	BIS(2-ETHYLHEXYL)PHTHALATE	0.42	mg/kg	J	J	
8270D	SO	AOPSL501	680-117942-64	Normal	1	DIBENZOFURAN	0.39	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	DIETHYLPHTHALATE	0.39	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	DIMETHYL PHTHALATE	0.39	mg/kg	U Q	UJ	l

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8270D	SO	AOPSL501	680-117942-64	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.39	mg/kg	U Q	UJ	l
8270D	SO	AOPSL501	680-117942-64	Normal	1	INDENO[1,2,3-CD]PYRENE	0.032	mg/kg	J	J	
6020A	SO	AOPSL601	680-117942-65	Normal	10	ANTIMONY	0.36	mg/kg	J D	J	
6020A	SO	AOPSL601	680-117942-65	Normal	10	ARSENIC	2.7	mg/kg	J D	J	
6020A	SO	AOPSL601	680-117942-65	Normal	10	BERYLLIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSL601	680-117942-65	Normal	10	CADMIUM	0.52	mg/kg	J D	J	
6020A	SO	AOPSL601	680-117942-65	Normal	10	SELENIUM	0.73	mg/kg	J D	J	
6020A	SO	AOPSL601	680-117942-65	Normal	10	SILVER	0.07	mg/kg	J D	J	
6020A	SO	AOPSL601	680-117942-65	Normal	10	SODIUM	160	mg/kg	J D	J	
7471B	SO	AOPSL601	680-117942-65	Normal	1	MERCURY	0.052	mg/kg	J	J	
8015C_D	SO	AOPSL601	680-117942-65	Normal	5	JET FUEL JP-5	100	mg/kg	U	UJ	c
8015C_G	SO	AOPSL601	680-117942-65	Normal	1	TPH-GASOLINE RANGE C6-C10	1.5	mg/kg	U H	UJ	h
8081B	SO	AOPSL601	680-117942-65	Normal	10	4,4-DDT	0.028	mg/kg	J D	J	
8081B	SO	AOPSL601	680-117942-65	Normal	10	CHLORDANE	0.25	mg/kg	U	UJ	c
8081B	SO	AOPSL601	680-117942-65	Normal	10	CHLOROBENZILATE	2.2	mg/kg	U	UJ	c
8081B	SO	AOPSL601	680-117942-65	Normal	10	KEPONE	1.3	mg/kg	U	UJ	c
8081B	SO	AOPSL601	680-117942-65	Normal	10	TOXAPHENE	0.48	mg/kg	U	UJ	c
8141A	SO	AOPSL601	680-117942-65	Normal	10	DICHLORVOS	200	µg/kg	U	UJ	c
8151A	SO	AOPSL601	680-117942-65	Normal	5	DALAPON	0.05	mg/kg	U	UJ	c
8270D	SO	AOPSL601	680-117942-65	Normal	1	2,4-DINITROTOLUENE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	2-NITROANILINE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	4-NITROANILINE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	ANTHRACENE	0.03	mg/kg	J	J	
8270D	SO	AOPSL601	680-117942-65	Normal	1	BENZALDEHYDE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	CARBAZOLE	0.41	mg/kg	J	J	
8270D	SO	AOPSL601	680-117942-65	Normal	1	DIBENZOFURAN	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	DIETHYLPHTHALATE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	DIMETHYL PHTHALATE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL601	680-117942-65	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.41	mg/kg	U Q	UJ	l
6020A	SO	AOPSL701	680-117942-66	Normal	10	ANTIMONY	0.2	mg/kg	J D	J	
6020A	SO	AOPSL701	680-117942-66	Normal	10	ARSENIC	2.4	mg/kg	J D	J	
6020A	SO	AOPSL701	680-117942-66	Normal	10	BERYLLIUM	0.3	mg/kg	J D	J	
6020A	SO	AOPSL701	680-117942-66	Normal	10	CADMIUM	0.28	mg/kg	J D	J	
6020A	SO	AOPSL701	680-117942-66	Normal	10	SELENIUM	0.69	mg/kg	J D	J	
6020A	SO	AOPSL701	680-117942-66	Normal	10	SILVER	0.059	mg/kg	J D	J	
6020A	SO	AOPSL701	680-117942-66	Normal	10	SODIUM	110	mg/kg	J D	J	
7471B	SO	AOPSL701	680-117942-66	Normal	1	MERCURY	0.058	mg/kg	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
8015C_G	SO	AOPSL701	680-117942-66	Normal	1	TPH-GASOLINE RANGE C6-C10	1.4	mg/kg	U H	UJ	h
8081B	SO	AOPSL701	680-117942-66	Normal	1	4,4-DDD	0.0014	mg/kg	U	UJ	c
8081B	SO	AOPSL701	680-117942-66	Normal	1	4,4-DDT	0.02	mg/kg		J	c
8081B	SO	AOPSL701	680-117942-66	Normal	1	AROCLOR-1232	0.049	mg/kg	U	UJ	c
8081B	SO	AOPSL701	680-117942-66	Normal	1	CHLORDANE	0.025	mg/kg	U	UJ	c
8081B	SO	AOPSL701	680-117942-66	Normal	1	CHLOROBENZILATE	0.22	mg/kg	U	UJ	c
8081B	SO	AOPSL701	680-117942-66	Normal	1	DIELDRIN	0.0021	mg/kg	J	J	
8081B	SO	AOPSL701	680-117942-66	Normal	1	ENDOSULFAN II	0.00065	mg/kg	J	J	r
8081B	SO	AOPSL701	680-117942-66	Normal	1	GAMMA-CHLORDANE	0.00073	mg/kg	J	J	
8081B	SO	AOPSL701	680-117942-66	Normal	1	KEPONE	0.13	mg/kg	U	UJ	c
8081B	SO	AOPSL701	680-117942-66	Normal	1	METHOXYCHLOR	0.0028	mg/kg	U	UJ	c
8081B	SO	AOPSL701	680-117942-66	Normal	1	TOXAPHENE	0.049	mg/kg	U	UJ	c
8141A	SO	AOPSL701	680-117942-66	Normal	10	DICHLORVOS	200	µg/kg	U	UJ	c
8151A	SO	AOPSL701	680-117942-66	Normal	5	DALAPON	0.051	mg/kg	U	UJ	c
8270D	SO	AOPSL701	680-117942-66	Normal	1	2,4-DINITROTOLUENE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	2-NITROANILINE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	4-CHLOROPHENYL-PHENYLETHER	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	4-NITROANILINE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	BENZALDEHYDE	1	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	BENZO[G,H,I]PERYLENE	0.034	mg/kg	J	J	
8270D	SO	AOPSL701	680-117942-66	Normal	1	DIBENZOFURAN	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	DIETHYLPHTHALATE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	DIMETHYL PHTHALATE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	HEXACHLOROCYCLOPENTADIENE	0.41	mg/kg	U Q	UJ	l
8270D	SO	AOPSL701	680-117942-66	Normal	1	INDENO[1,2,3-CD]PYRENE	0.028	mg/kg	J	J	
8015C_G	SQ	FB101415	680-117942-67	Field Blank	1	TPH-GASOLINE RANGE C6-C10	0.039	mg/L	J B	U	bl
8270D	SQ	FB101415	680-117942-67	Field Blank	1	BENZALDEHYDE	1.4	µg/L	J	J	
8015C_G	SQ	EB101415	680-117942-68	Equipment Blank	1	TPH-GASOLINE RANGE C6-C10	0.035	mg/L	J B	U	bl
200.7	WP	AV32DWMR	680-117954-1	Normal	1	COPPER	2.5	µg/L	J	J	
552.2	WP	AV32DWMR	680-117954-1	Normal	1	MONOBROMOACETIC ACID	1.4	µg/L	J	J	r
200.7	WP	CZDW5A	680-117954-10	Normal	1	COPPER	17	µg/L	J	J	
552.2	WP	CZDW5A	680-117954-10	Normal	1	DIBROMOACETIC ACID	14	µg/L	M	J	s
552.2	WP	CZDW5A	680-117954-10	Normal	1	DICHLOROACETIC ACID	1.2	µg/L	M	J	s
552.2	WP	CZDW5A	680-117954-10	Normal	1	MONOBROMOACETIC ACID	2.5	µg/L	J M	J	s,r
552.2	WP	CZDW5A	680-117954-10	Normal	1	Total HAA5	18	µg/L		J	s
200.7	WP	CZDW10B	680-117954-11	Normal	1	COPPER	4.4	µg/L	J	J	
552.2	WP	CZDW10B	680-117954-11	Normal	1	DIBROMOACETIC ACID	14	µg/L	M	J	s
552.2	WP	CZDW10B	680-117954-11	Normal	1	DICHLOROACETIC ACID	1.1	µg/L	M	J	s

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
552.2	WP	CZDW10B	680-117954-11	Normal	1	MONOBROMOACETIC ACID	2.7	µg/L	J M	J	s,r
552.2	WP	CZDW10B	680-117954-11	Normal	1	Total HAA5	18	µg/L		J	s
200.7	WP	TENTDWS2	680-117954-12	Normal	1	COPPER	22	µg/L	J	J	
552.2	WP	TENTDWS2	680-117954-12	Normal	1	TRICHLOROACETIC ACID	0.57	µg/L	J	J	
200.7	WP	TENTDWL3	680-117954-13	Normal	1	COPPER	9.9	µg/L	J	J	
552.2	WP	TENTDWL3	680-117954-13	Normal	1	DIBROMOACETIC ACID	1.8	µg/L		J	s
552.2	WP	TENTDWL3	680-117954-13	Normal	1	Total HAA5	1.8	µg/L		J	s
524.2	WP	AV34DW1BR	680-117954-14	Normal	1	BROMODICHLOROMETHANE	0.49	µg/L	J	J	
552.2	WP	AV34DW1BR	680-117954-14	Normal	1	MONOBROMOACETIC ACID	0.89	µg/L	J	J	
200.7	WP	AV34DW2BR	680-117954-15	Normal	1	COPPER	6	µg/L	J	J	
552.2	WP	AV34DW2BR	680-117954-15	Normal	1	DIBROMOACETIC ACID	5.3	µg/L		J	s
552.2	WP	AV34DW2BR	680-117954-15	Normal	1	MONOBROMOACETIC ACID	1.1	µg/L		J	s
552.2	WP	AV34DW2BR	680-117954-15	Normal	1	Total HAA5	6.3	µg/L		J	s
200.7	WP	ELCDWPH	680-117954-16	Normal	1	COPPER	4	µg/L	J	J	
552.2	WP	ELCDWPH	680-117954-16	Normal	1	DIBROMOACETIC ACID	7	µg/L		J	s
552.2	WP	ELCDWPH	680-117954-16	Normal	1	Total HAA5	7.8	µg/L		J	s
552.2	WP	ELCDWPH	680-117954-16	Normal	1	TRICHLOROACETIC ACID	0.8	µg/L	J M	J	s
200.7	WP	AV29DW2BR	680-117954-17	Normal	1	COPPER	4.8	µg/L	J	J	
524.2	WP	AV29DW2BR	680-117954-17	Normal	1	CHLOROFORM	0.42	µg/L	J	J	
552.2	WP	AV29DW2BR	680-117954-17	Normal	1	DIBROMOACETIC ACID	8.2	µg/L	M	J	s
552.2	WP	AV29DW2BR	680-117954-17	Normal	1	MONOBROMOACETIC ACID	1.5	µg/L	J M	J	s,r
552.2	WP	AV29DW2BR	680-117954-17	Normal	1	Total HAA5	9.7	µg/L		J	s
524.2	WP	AV29DW1BR	680-117954-18	Normal	1	CHLOROFORM	0.45	µg/L	J	J	
552.2	WP	AV29DW1BR	680-117954-18	Normal	1	DIBROMOACETIC ACID	11	µg/L	M	J	s
552.2	WP	AV29DW1BR	680-117954-18	Normal	1	MONOBROMOACETIC ACID	1.7	µg/L	M J	J	s,r
552.2	WP	AV29DW1BR	680-117954-18	Normal	1	MONOCHLOROACETIC ACID	0.98	µg/L	U J	UJ	m
552.2	WP	AV29DW1BR	680-117954-18	Normal	1	Total HAA5	13	µg/L		J	s
200.7	WP	AV32DWPH3	680-117954-2	Normal	1	COPPER	24	µg/L	J	J	
552.2	WP	AV32DWPH3	680-117954-2	Normal	1	DIBROMOACETIC ACID	11	µg/L		J	s
552.2	WP	AV32DWPH3	680-117954-2	Normal	1	MONOBROMOACETIC ACID	1.8	µg/L	M	J	s
552.2	WP	AV32DWPH3	680-117954-2	Normal	1	Total HAA5	13	µg/L		J	s
200.7	WP	CZDW47A	680-117954-3	Normal	1	COPPER	12	µg/L	J	J	
200.7	WP	CZDW47A	680-117954-3	Normal	1	LEAD	1.9	µg/L	J	J	
552.2	WP	CZDW47A	680-117954-3	Normal	1	MONOBROMOACETIC ACID	3.1	µg/L	J M	J	r
552.2	WP	CZDW44A	680-117954-4	Normal	1	MONOBROMOACETIC ACID	4.3	µg/L	J	J	r
200.7	WP	CZDW28B	680-117954-5	Normal	1	COPPER	10	µg/L	J	J	
552.2	WP	CZDW28B	680-117954-5	Normal	1	MONOBROMOACETIC ACID	2.6	µg/L	J M	J	r
524.2	WP	CZDW35A	680-117954-6	Normal	1	CHLOROFORM	0.4	µg/L	J	J	

Table B-1
Qualified Results Summary

Method	Matrix	Sample Identification	Laboratory Identification	Sample Type	DF	Analyte	Result	Units	Lab Qualifier	Final Qualifier	RC
552.2	WP	CZDW35A	680-117954-6	Normal	1	DIBROMOACETIC ACID	14	µg/L	M	J	s
552.2	WP	CZDW35A	680-117954-6	Normal	1	MONOBROMOACETIC ACID	2	µg/L	J M	J	s,r
552.2	WP	CZDW35A	680-117954-6	Normal	1	Total HAA5	16	µg/L		J	s
200.7	WP	CZDW23A	680-117954-7	Normal	1	COPPER	7.3	µg/L	J	J	
200.7	WP	CZDW23A	680-117954-7	Normal	1	LEAD	2.1	µg/L	J	J	
552.2	WP	CZDW23A	680-117954-7	Normal	1	DIBROMOACETIC ACID	11	µg/L	M	J	s
552.2	WP	CZDW23A	680-117954-7	Normal	1	MONOBROMOACETIC ACID	1.8	µg/L	J M	J	s,r
552.2	WP	CZDW23A	680-117954-7	Normal	1	MONOCHLOROACETIC ACID	0.98	µg/L	U J	UJ	m,ld
552.2	WP	CZDW23A	680-117954-7	Normal	1	Total HAA5	13	µg/L		J	s
200.7	WP	CZDW16A	680-117954-8	Normal	1	COPPER	3.6	µg/L	J	J	
552.2	WP	CZDW16A	680-117954-8	Normal	1	DIBROMOACETIC ACID	12	µg/L	M	J	s
552.2	WP	CZDW16A	680-117954-8	Normal	1	DICHLOROACETIC ACID	1.1	µg/L	M	J	s
552.2	WP	CZDW16A	680-117954-8	Normal	1	MONOBROMOACETIC ACID	1.9	µg/L	J M	J	s,r
552.2	WP	CZDW16A	680-117954-8	Normal	1	Total HAA5	15	µg/L		J	s
200.7	WP	CZDW5A(D)	680-117954-9	Normal	1	COPPER	22	µg/L	J	J	
8082A	PC	AV32PC01	680-118004-1	Normal	1	AROCLOR-1260	0.88	mg/kg		J	r

Notes:

DF = Dilution factor
RC = Reason code
SIM = Selective ion monitoring
AI = Air, Indoor
AO = Air, Outdoor
SO = Soil
SQ = Soil quality control field-derived blank
WP = Drinking (potable) water
PC = Paint chips
µg/m3 = Micrograms per cubic meter
mg/kg = Milligrams per kilogram
µg/kg = Micrograms per kilogram
mg/L = Milligrams per liter
µg/L = Micrograms per liter
U = ***Undetected*** — The parameter was analyzed but undetected or was qualified as undetected during data review due to blank artifacts.
J = ***Estimated Value*** — One or more quality control parameters were outside control limits or the analyte concentration was less than the limit of quantitation.
UJ = ***Undetected and Estimated*** — The parameter was analyzed but undetected and was estimated because of a quality control outlier.
B = Analyte was detected in the method blank (laboratory qualifier).
D = The reported value is from a dilution (laboratory qualifier).
H = Sample was analyzed outside of holding times (laboratory qualifier).
M = Compound was manually integrated (laboratory qualifier).
Q = One or more quality control criteria failed (laboratory qualifier).

Qualification Reason Codes (multiple reason codes may be applied):

{null}	=	Results reported below the limit of quantitation (Accuracy Indicator)
bf	=	Result qualified as undetected due to field-derived blank results (Representativeness Indicator)
bl	=	Result qualified as undetected due to laboratory blank results (Representativeness Indicator)
c	=	Calibration results (Accuracy Indicator)
fd	=	Field duplicate relative percent difference (Precision Indicator)
h	=	Holding times (Representativeness Indicator)
i	=	Internal standard area recovery (Accuracy Indicator)
l	=	Laboratory control sample percent recovery (Accuracy Indicator)
ld	=	Laboratory and matrix spike/matrix spike duplicate relative percent difference (Precision Indicator)
m	=	Matrix spike/matrix spike duplicate percent recovery (Accuracy Indicator)
pe	=	Metals post-digestion spike percent recovery (Accuracy Indicator)
r	=	Two-column percent difference (Precision Indicator)
s	=	Surrogate spike percent recovery s (Accuracy Indicator)