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DEPARTMENT OF THE AIR FORCE
27TH SPECIAL OPERATIONS MISSION SUPPORT GROUP (AFSOC)
CANNON AIR FORCE BASE NEW MEXICO

Colonel Heather L. Buono
Commander, 27 SOMSG
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Mr. Daniel Comeau
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East Bldg 1
Santa Fe NM 87505-6063

Dear Mr. Comeau

Attached is the "Solid Waste Management Unit 73 Resource Conservation and Recovery Act Facility Assessment Report". If you have any questions regarding this submittal, please contact Mr. Ronald Lancaster, Chief, Installation Management Flight at (575) 784-1146.

Sincerely,

Heather L. Buono

HEATHER L. BUONO, Colonel, USAF

Attachments:
1. SWMU 73 RFA Report
2. Delegation of Authority Letter

cc:
Environmental Protection Agency, Region VI, Ms. Wendy Jacques w/o Attachment

DEPARTMENT OF THE AIR FORCE
27TH SPECIAL OPERATIONS WING (AFSOC)
CANNON AIR FORCE BASE NEW MEXICO

Colonel Tony D. Bauernfeind
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100 Air Commando Way Ste 100
Cannon AFB NM 88103-5214

20 SEP 2013

Secretary Ryan Flynn
Cabinet Secretary, New Mexico Environment Department
Office of the Secretary
1190 St Francis Drive Ste N4050
Santa Fe NM 87505

Dear Secretary Flynn

In accordance with 40 Code of Federal Regulations (CFR) 270.11(a) and 40 CFR 122.22(a), this letter informs you that I am the principal executive officer in charge of Cannon Air Force Base (AFB), New Mexico. I will serve as your central point of contact on all major environmental issues affecting Cannon AFB and Melrose Air Force Range, New Mexico. In my absence, the Vice Commander, 27th Special Operations Wing (27 SOW/CV) will serve as the principal executive officer.

Pursuant to my authority under 40 CFR 270.11(b) and 40CFR 122.22(b) to delegate signature authority to a duly authorized representative, I hereby delegate signature authority for routine reports and responses to technical issues under Resource Conservation and Recovery Act's Hazardous Waste Permit Program and environmental programs at Cannon AFB, to the Commander, 27th Special Operations Mission Support Group. I also delegate signature authority for routine and technical correspondence involving human health-related issues to the Commander, 27th Special Operations Medical Group.

This letter supersedes the 19 Sep 2011 delegation letter signed by my predecessor, Brig Gen (then Colonel) Albert M. Elton II. I look forward to continuing our close working relationship as partners and stewards committed to maintaining New Mexico as the *Land of Enchantment*.

Sincerely

TONY D. BAUERNFEIND, Colonel, USAF

Resource Conservation and Recovery Act Facility Assessment
Solid Waste Management Unit 73
Stormwater Drainage and Retention Pond
Cannon Air Force Base, New Mexico

Contract No. FA8903-08-D-8781, Task Order 0154
Project No. CZQZ118900

Final
November 2013

27 SOCES/CEAN
Cannon Air Force Base
New Mexico

RCRA Facility Assessment
SWMU 73 – Stormwater Drainage and Retention Pond
Cannon Air Force Base, New Mexico

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Final
November 2013

Prepared for:

27 SOCES/CEAN
Cannon Air Force Base, New Mexico

U.S. Army Corps of Engineers
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LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AOC	Areas of Concern
bgs	below ground surface
COPCs	contaminants of potential concern
CSM	conceptual site model
CSEM	conceptual site exposure model
DRO	diesel range organics
EPA	U.S. Environmental Protection Agency
ERP	Environmental Restoration Program
ERPIMS	Environmental Restoration Program Information Management System
ft	foot/feet
GRO	gasoline range organics
GSI	Geomechanics Southwest, Inc.
HSA	hollow stem auger
HSWA	Hazardous and Solid Waste Amendments
IDW	investigation derived waste
MEK	methyl ethyl ketone
MS/MSD	matrix spike/matrix spike duplicate
NMDE	New Mexico Environment Department
PAH	polynuclear aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PID	photoionization detector
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
RL	reporting limit
RFA	RCRA Facility Assessment
SB	soil boring
SIM	selective ion monitoring
SSL	soil screening level
SVOC	semivolatile organic compound

SWMU	Solid Waste Management Unit
TAL	target analyte list
TCLP	Toxicity Characteristic Leaching Procedure
Tetra Tech	Tetra Tech, Inc.
TPH	total petroleum hydrocarbons
μg/kg	micrograms per kilogram
VOC	volatile organic compound

EXECUTIVE SUMMARY

This Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) was conducted at Solid Waste Management Unit (SWMU) 73, the Stormwater Drainage and Retention Pond, located at Cannon Air Force Base (AFB) to investigate potential soil and sediment contamination and assess potential threats to human health and the environment associated with stormwater flows at the site. The RFA included a literature search; development of conceptual site models; investigation of site media through advancement of soil borings; collection of surface soil and subsurface soil samples; and chemical analysis. Because the waste characteristics of the stormwater runoff are unknown, the samples were analyzed for an extensive parameter list.

SWMU 73 consists of a series of stormwater drains and culverts that discharge to a retention pond on the grounds of the Whispering Winds Golf Course, located in the north-central portion of Cannon AFB. SWMU 73 receives stormwater runoff from the surrounding course greens and fairways and residential and semi-industrial portions of Cannon AFB. Potential contaminants include total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), chlorinated pesticides, glycols, explosives, and target analyte list metals. The release status of the site is currently unknown.

During the implementation of the RFA at Cannon AFB, data were obtained from 20 samples and 2 field duplicates collected from five soil borings at SWMU 73. Samples were collected to determine whether runoff from the Cantonment Area of the AFB, via stormwater drainage and retention ponds, contributed to the potential release of hazardous wastes to the environment and whether further action at SWMU 73 is required. A summary of the data collected as part of the field investigation includes:

- Subsurface soils consisted of fine grained sandy silt, silt with sand, lean clay with sand, and caliche. Asphalt was present in the subsurface to a depth of 4 feet (ft) at SB01. Detections of PAHs in upgradient boring SB01 is attributed to the presence of asphalt found in the shallow subsurface soil.

- The highest detection for most analytes including metals, SVOCs, PAHs, pesticides, petroleum hydrocarbons, and PCBs were found in surface soil (0–1 ft). Concentrations for most analytes decrease with depth due to low permeable and impermeable layers of lean clays and caliche in the subsurface.

Arsenic was detected in all soil samples with only surface samples (0–1 ft) at SB01 and SB02 containing arsenic at concentrations greater than background. Based on the data collected during this RFA field investigation, it can be concluded that daily operations associated with the golf course, such as application of pesticides, and use of vehicles and equipment to maintain the greens have contributed to the presence of some organic compounds in soil at SWMU 73 rather than upgradient releases from the Cantonment Area.

Analytical results were compared to NMED residential soil screening levels (SSL) (NMED 2012a, 2012b) to evaluate the potential for human health risk at SWMU 73 due to exposure to surface and subsurface soils. As presented in Section 5, three individual detections of two analytes (arsenic and benzo[a]pyrene) exceeded residential SSLs, all located in surface soil (0–1 ft) at SWMU 73: arsenic at SB01 and SB02 and benzo[a]pyrene at SB05.

No exceedances of residential SSLs occurred deeper than 1 ft indicating that direct exposure to surface soil presents the greatest potential risk, although it is questionable that the presence of arsenic and benzo[a]pyrene are due to contaminant releases to the drainage and retention pond.

Based on the results of this RFA, further sampling should be conducted to evaluate the nature and extent of PAHs as part of a focused RCRA Facility Investigation.

1. INTRODUCTION

1.1 Scope

This Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) was conducted at Solid Waste Management Unit (SWMU) 73, the Stormwater Drainage and Retention Pond, located at Cannon Air Force Base (AFB) to investigate potential soil and sediment contamination and provide an initial assessment of potential threats to human health and the environment associated with stormwater flows at the site. The site is administered under the AFB Environmental Restoration Program (ERP) and requires assessment to be considered for no further action status and removal from Cannon AFB's Hazardous and Solid Waste Amendments (HSWA) permit. The RFA included a literature search; development of conceptual site models; investigation of site media through advancement of soil borings; collection of surface soil, and subsurface soil samples; and chemical analysis. Because the waste characteristics of the stormwater runoff are unknown, the samples were analyzed for an extensive parameter list. The RFA data will be used to characterize the site and develop, evaluate, and determine appropriate responses or provide recommendations for future action leading to site closure.

1.2 Project Background

SWMU 73 consists of a series of stormwater drains and culverts that discharge to a retention pond on the grounds of the Whispering Winds Golf Course, located in the north-central portion of Cannon AFB. Figure 1-1, the facility map, depicts the location of the project site within Cannon AFB. Figure 1-2 shows site features and location within the golf course.

SWMU 73 receives stormwater runoff from the surrounding course greens and fairways and residential and semi-industrial portions of Cannon AFB, including the Cantonment Area (see Figure 1-2). Stormwater runoff is recognized as a potential source of contamination in surface water, sediment, and soil. Depending on land uses within the source area, stormwater runoff can transport sediment, dissolved pollutants, and chemical pollutants attached to sediment. Polluted stormwater flows may also result in deposition of contaminated sediments in the pond and upland drainage areas. These pollutants can then be leached and carried through the vadose zone by infiltrating stormwater.

The thickness of sediments deposited within the retention pond and elsewhere on upland areas of the SWMU, specific pollutant types, amount of runoff occurring over time, and concentrations of pollutants associated with historical and current stormwater flows directed to SWMU 73 are unknown.

Potential contaminants include total petroleum hydrocarbons (TPH) (gasoline range organics [GRO] and diesel range organics [DRO]), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), chlorinated pesticides, glycols, explosives, and target analyte list (TAL) metals. The release status of the site is currently unknown.

The RCRA corrective action program was established to investigate and require cleanup of releases of hazardous wastes or constituents to the environment at facilities subject to RCRA permits. Pursuant to the requirements of their HSWA permit, the U.S. Air Force is actively conducting

corrective action activities for SWMUs identified at Cannon AFB. The U.S. Environmental Protection Agency (EPA) has authorized the New Mexico Environment Department (NMED) to implement the federal RCRA program and oversee corrective action program activities conducted in accordance with Cannon AFB's HSWA permit. The RFA is the first step of the corrective action process for SWMU 73.

1.3 Report Objectives

The overall objectives for this RFA are to determine the chemicals of potential concern (COPC) present in site soils and sediment related to stormwater runoff. The data generated during the field investigation will be used to:

- Document environmental conditions and potential for release to site media resulting from past and present stormwater management activities.
- Identify contaminated media, if present.
- Characterize the nature of contamination at the site.
- Compare contaminant concentrations to background concentrations and approved health-based soil screening levels (SSLs) to identify COPCs.
- Support the development, evaluation, and selection of the appropriate future responses for the site, including recommendations for future action leading to site closure and removal from Cannon AFB's HSWA permit

1.4 Report Organization

The following sections of this RFA present the site characteristics, field investigation, investigation results, conceptual site model and risk evaluation, investigation derived waste (IDW) management, and conclusions and recommendations.

Section 2.0 presents a general description of Cannon AFB and SWMU 73 including physical setting of the area (e.g., topography, climate, geology) and previous investigations. Section 3.0 presents the field investigation activities at SWMU 73 related to collecting soil samples at five boring locations. Section 4.0 discusses the chemical analysis and evaluation of each sample collected at SWMU 73. Section 5.0 discusses a preliminary conceptual site model (CSM) and conceptual site exposure model (CSEM) to identify impacted media, potential exposure pathways, and human receptors. Section 6.0 discusses the IDW generated during the field investigation including the characterization of the IDW. Section 7.0 presents the conclusions and recommendations based on the results of the field investigation, conceptual site model, and risk evaluation at SWMU 73.

2. SITE CHARACTERISTICS

2.1 Site Background

SWMU 73 provides stormwater runoff control for the southeastern portion of the Whispering Winds Golf Course on Cannon AFB and receives runoff through culverts from the semi-industrial portion and Cantonment Area of Cannon AFB. Retention ponds are commonly used in such settings to control runoff and associated pollution from overland flows. The golf course facility opened as a nine-hole course in 1954, and added an additional nine holes in 1994. The facility is bounded by Air Commando Way to the southeast, D.L. Ingram Boulevard and residences to the southwest, and U.S. Highway 84/60 to the north. Figure 1-2 shows the site map including the golf course and retention ponds.

The SWMU 73 runoff channels and drainage areas cut through the golf course and discharge stormwater flows into the retention pond near Green #5. The retention pond was created by grading and redeveloping a natural playa. The details of construction are not known, but the pond contains water year-round because it has a liner that inhibits significant infiltration. The depth of water contained in the pond varies over time based on precipitation, inflow volumes, evaporation, and use by plants and animals.

Based on the operational history of SWMU 73 for stormwater runoff control, the potential for contamination of sediment, surface soil, and subsurface soils exists. Stormwater runoff is a primary source of contamination in surface water. Depending on land use and waste management practices of facilities in the source area, runoff can be highly polluted with particulate matter, pesticides, fertilizers, petroleum products, other organics, metals, and salts. Polluted stormwater flows may also result in deposition of contaminated sediments in the pond and upland drainage areas. These pollutants can then be leached and carried through the vadose zone by infiltrating stormwater.

The thickness of sediments deposited within the retention pond and elsewhere on upland areas of the SWMU, specific pollutant types, amount of runoff occurring over time, and concentrations of pollutants associated with historical and current stormwater flows directed to SWMU 73 are unknown.

2.2 Environmental Setting

2.2.1 Topography

Historically, drainage at Cannon AFB has been characterized as overland flow into four natural ephemeral playas. The northern two playas have been converted into intensely maintained, plastic-lined golf course ponds, including the pond at SWMU 73. When the golf course was constructed, grading created short elevated greens with low areas separating the greens and fairways. The runoff channels and retention pond at SWMU 73 are described by the golf course as water hazards. Grading the natural playa and installing a liner has resulted in a permanent pond because stormwater flows are captured but no natural outlet is present.

The intake is passive with stormwater runoff accumulating in the low-lying basin area. Based on aerial images, one runoff channel discharges into the pond at its extreme western point from a culvert that passes underneath D.L. Ingram Boulevard. Runoff also enters the site from a culvert

that passes under Air Commando Way, across from the Cannon AFB Civil Engineering Building. The areal extent of the retention pond varies with the water depth, which is constrained by the amount of runoff entering the site, precipitation duration and timing, evapotranspiration processes, and limited infiltration if the liner is not intact.

Based on the aerial image of the study area, the retention basin appears to have a wide, flat shelf located to the north of the pond that may be exposed sediment or sediment inundated by shallow water. Typical retention pond designs plan for such areas to lie no more than 1 foot (ft) below the permanent water level as a safety measure in case a person or animal falls into the water. There also appears to be an access drive around the basin above the permanent water level to allow maintenance vehicles access to the basin.

2.2.2 Climate

Cannon AFB is located within a semi-arid climate zone. A weather station in nearby Clovis receives an average of about 17 inches of precipitation a year; average minimum and maximum temperatures are 43 and 72 degrees Fahrenheit (Western Regional Climate Center, 2005a). Most precipitation falls during the summer months, and much of the annual precipitation likely is lost to evapotranspiration. Annual pan evaporation at the weather station in Clovis averages 86.64 inches; evaporation is largest from May through August (Western Regional Climate Center, 2005b). The wettest months occur during the summer when seasonal monsoonal storms bring moisture to the area. The wettest month is August with an average rainfall of 3.43 inches.

2.2.3 Geology and Soils

Cannon AFB is underlain by Ogallala Formation fluvial deposits consisting primarily of unconsolidated silty sand to clayey sand. These deposits include sporadic caliche layers and more extensive zones containing caliche-cemented nodules (Harza 1997). The caliche zones act as an aquitard and effectively isolate the aquifer from surface conditions (A.T. Kearney 1987). The total thickness of the Ogallala Formation beneath the site is not known. Based on available regional information, the Ogallala Formation may be as thick as 390 feet (ft) under Cannon AFB.

The Blackwater Draw Formation of Quaternary age generally overlies the Ogallala Formation at Cannon AFB. The formation is composed primarily of unconsolidated eolian sand deposits and ranges in thickness from 0 to 80 ft in eastern New Mexico (McLemore 2001). A caliche layer is typically present in the unsaturated zone of the Blackwater Formation in New Mexico (Hart and McAda, 1985). Drilling at Cannon AFB has indicated that caliche is discontinuous, typically found within 30 ft of the surface, and of variable thickness (USGS 2006).

All drilling at the site was conducted through unconsolidated Quaternary sediments. The soils in the area of SWMU 73 are classified as Amarillo fine sandy loam, 0–2 percent slope phase, associated with limited occurrence of Clovis fine sandy loam, 0–2 percent slope (A.T. Kearney 1987). Amarillo soils cover over 90 percent of Cannon AFB and typically consist of loamy sand overlying a hard, calcareous caliche layer. Clovis soils generally occur in small areas associated with playa lakes. Clovis soils are similar to the Amarillo soils, but the chalky zone occurs at a somewhat shallower depth. Zones of caliche were encountered during drilling of all five soil borings.

2.2.4 Surface Water Hydrology

The source area for runoff includes residential and semi-industrial portions of Cannon AFB and surrounding areas of the golf course. Culverts direct the runoff flows under the roads that border the golf course such as Air Commando Way (near the Cannon AFB Civil Engineering Building) and D.L. Ingram Boulevard. The drainage areas have developed shallow channels that convey the stormwater around and through the golf course greens before discharging into the retention pond.

A precipitation event occurred in Clovis and at Cannon AFB on June 5, 2013 measuring 0.551 inches. The impact of the precipitation event resulted in surface water flowing in the drainage channels and ponding in adjacent low lying areas at the project site. Surface water is intermittently present as runoff in the drainage channel, but the retention pond appears to have a permanent pool of water year-round. Stormwater contaminants can remain dissolved or suspended in the water column for some time. Generally, however, the permanent pool allows some pollutant particles to settle out, where they are subject to natural biological, chemical, and infiltration processes. Examples include nutrient uptake through biological activity and adsorption of pollutants contained in the infiltrated runoff by subsurface soil particles. Other contaminants such as trace metals and organic compounds bind with solids that settle to the bottom of the pond as contaminated sediment. Sediments may also be deposited within the runoff channel during precipitation events. The current thickness of sediments accumulated on the pond bottom and in other depositional upland areas is unknown.

Sediment is traditionally defined as the deposited material underlying a body of water. Sediment is formed as waterborne solids (particulates) settle out of the water column and build up as bottom deposits. This process occurs in the retention pond and to some extent in the runoff channels. During low-flow conditions the overlying water temporarily recedes, exposing sediments in the pond to the air. The runoff channel dries completely, also exposing sediments on the channel bottom and margins. For this reason, sediment is considered as two separate media, submerged and exposed. Exposed sediment in the runoff channels, channel margins, and pond margins will be evaluated with soil.

The native vegetation of Cannon AFB is Plains-Mesa Grassland, which undisturbed is composed almost entirely of grasses, with forbs and shrubs comprising less than 10 percent. The vegetation at SWMU 73 is disturbed. Areas not inundated by surface water are sparsely vegetated with prairie grasses, low shrubs, and small trees. The golf course greens that surround the site are planted in bent grass, with Bermuda grass covering the fairways. The isolated riparian/aquatic communities on Cannon AFB are typically associated with drainage ditches/channels and playa lakes similar to conditions at SWMU 73.

2.2.5 Groundwater Hydrology

Indirect releases to groundwater can potentially occur if contamination in sediment, surface soil, subsurface soil, and/or surface water migrates through the vadose zone to the water table. These releases may be continuous (as in the case of surface water and saturated bottom sediments) or recurrent or intermittent in nature, as in overland stormwater runoff. However, it is unlikely that impacts to groundwater will occur due to the impervious layers in the vadose zone, low percolation rates, installation of a plastic lining in the pond, and depth to the regional water table. Depth to groundwater is approximately 315 ft below ground surface (bgs). The local groundwater gradient is

southeasterly at approximately 0.004 ft/ft based on the basewide potentiometric map presented in the *Final 2010 Biennial Groundwater Monitoring and Annual Landfill Inspection Report Landfill No. 3 (LF-03/SWMU 105), Landfill No. 4 (LF-04/SWMU 104), Landfill No. 25 (LF-25/SWMU 97), and Sewage Lagoons (SWMU 101), Cannon Air Force Base, New Mexico* (Tetra Tech 2010). Due to the shallow depth of the drilling program at the site, groundwater was not encountered.

2.2.6 Current and Projected Land Use

The current and projected land use for SWMU 73 will continue to provide stormwater runoff control for the southeastern portion of the Whispering Winds Golf Course on Cannon AFB and throughout Cannon AFB. Retention ponds are commonly used in such settings to control runoff and associated pollution from overland flows.

2.3 Previous Investigations and Activities

The site has never been investigated and the nature and extent of contamination, if present, and potential risks to sensitive resources were unknown prior to the 2013 field program. A literature search of the Cannon AFB Administrative Record was undertaken to determine whether sampling data are available to characterize the nature of potential environmental impacts at SWMU 73. No records or documents describing site background or operational history were available for review.

In response, the site was evaluated based on facility maps that depict local conditions and results of studies performed at similar sites at Cannon AFB. Background information was obtained from examination of utility maps, planning and development maps, topographic maps, and aerial images. These sources were used to define the general project setting and identify existing site conditions, features, sensitive resources, and potential for hazards such as RCRA-listed wastes or unexploded ordnance.

1987 RCRA Facility Assessment

The initial RFA for Cannon AFB was completed by A.T. Kearney, Inc. in 1987 (A. T. Kearney 1987). The purpose of the RFA was to identify and evaluate SWMUs and other Areas of Concern (AOCs), including potential releases to the environment of hazardous wastes, and where appropriate, the need for further action. The RFA identified 128 SWMUs and 51 AOCs, including SWMU 73. SWMU 73 was identified as a series of active stormwater drainage and retention ponds that received runoff water from streets and operations in the Cantonment Area of Cannon AFB. Based on current knowledge, no releases from this area have been reported to date.

3. FIELD INVESTIGATION

On June 4, 2013 Tetra Tech, Inc. (Tetra Tech) personnel, Project Manager and Field Geologist, arrived at Cannon AFB to begin preparation for field activities. Tetra Tech met with the Cannon AFB Technical Representative and golf course facility personnel to review the planned work scope and the anticipated schedule.

An initial site inspection was performed by Tetra Tech and the Cannon AFB Technical Representative to identify the previously staked boring locations, and their relative position to retention ponds, runoff channels, and culvert outfalls. A subsequent inspection of the boring locations by the drilling subcontractor Geomechanics Southwest, Inc. (GSI) identified three borings which required relocation due to unstable ground conditions (e.g., soft soil, sloped terrain) or overhead obstructions. Once locations were deemed acceptable by all parties, onsite personnel verified that underground utilities were a safe distance from the staked boreholes.

A health and safety tailgate meeting was held the morning of June 5, 2013 with Tetra Tech and GSI personnel prior to moving and setting up the hollow stem auger (HSA) drilling rig on sample location SB05. The safety meeting included a discussion of site access to the boring locations, maintenance and inspection of drill rig, proper personal protective equipment, drilling and sampling protocol, and proper communications.

3.1 Observations

Soil samples were collected from five soil borings (SB01, SB02, SB03, SB04, and SB05) at locations presented in Figure 3-1. Boring SB01 was advanced immediately northwest of Air Commando Way, near the intake point to the runoff channel to assess conditions upgradient of the SWMU. SB01 was approximately 5 ft higher in elevation than the other borings. Borings SB02, SB03, and SB04 were placed at downgradient locations near or within the runoff channel approximately 100 ft, 150 ft, and 180 ft from Boring SB01 to determine the COPCs present in sediment and soil contamination within and beneath the channel. Boring SB05 was advanced at the western intake point of the pond where a runoff channel discharges stormwater from a culvert that passes underneath D.L. Ingram Boulevard. In accordance with the work plan (Tetra Tech 2012), soil borings SB02, SB03, and SB05 were drilled to a depth of 25 ft. Borings SB01 and SB04 were limited to depths of 6 ft and 19 ft, respectively, due to auger refusal. The five soil borings were advanced using a HSA drilling rig with a 5-ft continuous core sampler or a 2-ft split spoon in support of soil sampling, logging core, and for identifying changes in lithology.

Upon retrieval from the borehole, the sampler or split spoon was placed on sawhorses; opened, and the core analyzed for emission of volatile organic gases using a photoionization detector (PID) (MiniRAE® 3000). Results of the PID readings for all cores were 0.0 part per million. The PID was calibrated each morning prior to use. The field geologist verified the top and bottom of the core with the driller, measured the core and determined percent recovery. The percent recovery was highly variable due to the presence of caliche or clay. The field geologist then proceeded to log each core in accordance with the Unified Soil Classification System. The lithologic descriptions were recorded in a field logbook and later transcribed to a boring log (Appendix A).

Cores from the five borings consisted primarily of fine grained sandy silt, silt with sand, clay with sand, and interbedded caliche. Notable observations made while logging the cores included:

- SB01 – Asphalt chunks (less than ½-inch diameter) present in the soil matrix from 6 inches to 4 ft bgs. Auger refusal occurred at 6 ft due to a well-cemented caliche layer.
- SB02 – Limited core recovery (50–80 percent) between 5 ft and 15 ft due to moderate to well-cemented caliche. A poorly graded soft silty sand layer was observed from 11.5–13 ft.
- SB03 – Limited core recovery (0–56 percent) between 0 ft and 24 ft, due to interbedded lean clay and well-cemented caliche. A 2-ft split spoon was used to facilitate sample collection from 24–25.5 ft.
- SB04 – Very stiff lean clays with fine sand and well-cemented caliche fragments (¼-inch). Auger refusal occurred at 18 ft using a core barrel and then again at 19 ft without the use of a core barrel. High rate of core recovery occurred between 5 ft and 18 ft.
- SB05 – Lean clays were logged from 0–10 ft, transitioning to zones of sandy silt and silty sand within a caliche matrix from 10–25 ft.

3.2 Soil Sampling

The sampling program included collection of soil samples and quality assurance/quality control (QA/QC) samples. Samples were obtained at five ft intervals (0-1, 5–6, 11–12, 17 –18, and 24–25 ft bgs) using a 5-ft continuous core sampler or 2-ft split spoon. The number of samples collected from SB01 and SB04 were reduced in number due auger refusal associated with well cemented layers of caliche or very stiff lean clays. The five soil borings yielding 20 samples, plus two field duplicates and two matrix spike/matric spike duplicate (MS/MSD) samples were completed as shown in Table 3-1.

Immediately after the core sample barrel was opened, prior to the field geologist logging the core, a plug of soil was collected for volatile organic compound (VOCs) and/or TPH-GRO analyses using an EnCore® sampler. The remaining soil needed for sample analysis (SVOCs, PAHs, TPH-DRO, chlorinated pesticides, PCBs, glycols, explosives, anions, and TAL metals) was collected from the core, placed in a stainless steel bowl, homogenized, and placed into appropriate sample containers. The sample jars were labeled and placed in Ziploc® baggies. The samples were stored in a cooler with ice, transported to a Federal Express office in Clovis, New Mexico, where the samples were subsequently shipped to the analytical laboratory, Test America, Denver, Colorado.

Two field duplicates were collected for approximately every ten soil samples collected. The duplicate for soil samples were collected by splitting homogenized sample materials into multiple containers, with the exception of VOCs, which were unique EnCore® samples from the same physical location. Overall handling procedures for each portion were identical except the two portions were submitted to the selected laboratory as separate discrete samples.

MS/MSD samples were collected in the same manner as the field duplicates. One MS/MSD sample was collected for every 10 or fewer investigative samples for inorganic and organic analyses, respectively, per sample.

Trip blanks were provided by the laboratory and consisted of analyte-free methanol for soil samples. These samples were kept with the investigative samples throughout the sampling event, sample shipment, and storage. Trip blanks were used to assess the potential for contamination of water- and methanol-preserved samples due to contaminant migration during handling. Trip blanks were analyzed for VOCs only. One trip blank was included in each shipping container holding samples for VOC analysis.

In addition to the QA/QC samples collected from the core, rinsate samples were collected from SB02 and SB04. Rinse blank samples were collected by pouring distilled water over the sampling equipment (stainless steel bowls and spoons) to ensure the effective decontamination of sampling equipment and sample results would not be affected by cross-contamination between sampling events.

All sampling equipment, including stainless steel bowls and spoons, were decontaminated after use in accordance with the Final Work Plan by swabbing with a Alconox® and potable water solution followed by rinsing with clean potable water and a final rinse using distilled water. All downhole sampling equipment, including augers and split-spoon core barrels, were swabbed with Alconox® diluted in potable water and followed by a thorough power washing utilizing potable water. Because soil conditions were dry at the time of sampling there were minimal quantities of solids contained in the decontamination fluid. All decontamination fluids generated during decontamination procedures were captured in a portable decontamination pad and then transferred to a 55-gallon drum and labelled appropriately (see Section 6.0).

3.3 Borehole Abandonment

All boreholes were plugged by pouring bentonite chips into the open borehole and hydrating the chips using an approved onsite potable water source. During placement of the chips, measurements were taken by the drillers to verify that no bridging occurred as the chips were being placed downhole. At the completion of field activities all boreholes were inspected for settling and brought to grade, if necessary.

3.4 Surveying

A Garmin GPSmap 60CSx GPS unit was used to record the location of each borehole and sampling locations. The coordinate system utilized was Universal Transverse Mercator for North American Datum 1983. Location coordinates were converted to the State Plane coordinate system which allows the survey data to be uploaded into the Environmental Restoration Program Information Management System (ERPIMS) electronic database.

3.5 Data Management

On September 9, 2013, all data collected for the SWMU 73 RFA were uploaded to ERPIMS. Analytical data accompanied by the required Location Description table (LDI file) and Lithologic Description (LTD table) were uploaded and validated.

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4. INVESTIGATION RESULTS

4.1 Soil Sampling

Twenty-two soil samples, including two field duplicates, were collected from five borings at locations presented in Figure 3-1. All samples were analyzed and evaluated for the following:

- VOCs – EPA method 8260B
- SVOCs – EPA method 8270C
- PAHs – EPA method 8270C by selective ion monitoring (SIM)
- TAL metals – EPA method 6010C/6020A
- Mercury – EPA method 7471B
- PCBs – EPA method 8082A
- Pesticides – EPA method 8081B
- Explosives – EPA method 8330B
- TPH-GRO – EPA method 8015C
- TPH-DRO – EPA method 8015C
- Major anions – EPA method 9056A
- Glycols – EPA method 8015C

A summary of analytical results is presented in Table 4-1 and a listing of samples containing detectable concentrations of these analytes is provided in Table 4-2. Figures 4-1 and 4-2 present maps showing the distribution of detected organic and inorganic analytes, respectively. Evaluation of the chemical analysis of these samples provides the basis for determining the COPCs present in soil and sediment at SWMU 73.

4.1.1 VOCs

As shown on Figure 4-1, 2-butanone, also known as methyl ethyl ketone (MEK), was the only VOC detected. MEK was detected in SB01 (4–5 ft) and in SB03 (11–12 ft) at concentrations of 0.0034J and 0.003 milligrams per kilogram (mg/kg). Even though the concentration of MEK is below the reporting limit (RL) of 0.01 mg/kg, MEK was positively identified; however, the concentration value was flagged with a "J" indicating an estimated value. The presence of MEK at such low levels is suspect since the detections are isolated at discrete intervals within two borings and it is known to be a common laboratory contaminant.

4.1.2 SVOCs and PAHs

Figure 4-1 shows the spatial distribution of all SVOCs and PAHs detected. Each of the five borings contained detectable concentrations of SVOCs and PAHs. Four of the soil samples from the 0-1ft bgs interval in borings SB01, SB02, SB03, and SB05 contained detectable levels of SVOCs and PAHs. Three analytes (1-methylnaphthalene, 2-methylnaphthalene, and acenaphthylene) were commonly detected in soil borings SB01, SB02, SB03, and SB05. The highest concentration of 1-methylnaphthalene, 2-methylnaphthalene, and acenaphthene in the 0–1-ft interval was found downgradient in boring SB03. Low level detections of SVOCs and PAHs were also found at the 24–25 ft bgs interval in SB03. Fluoranthene, phenanthrene, and pyrene were detected at depths 4–5 ft bgs and 11–12 ft bgs in SB04. However, only benzo[a]pyrene detected in the 0–1-ft interval at SB05

occurred at a concentration exceeding the NMED residential SSL. Table 4-2 presents the reported concentrations of SVOCs and PAHs detected at SWMU 73, including a notation for the single detection of benzo[a]pyrene exceeding the SSL.

It should be noted that borings SB01 and SB04 were terminated prior to collecting all required samples at depth due to auger refusal when caliche was encountered in the subsurface. Detections of SVOCs and PAHs in the eight samples are likely due to construction, operation and maintenance activities associated with the golf course. Detections of PAHs in upgradient boring SB01 is attributed in part to the presence of asphalt found in the shallow subsurface soil.

4.1.3 Pesticides

Table 4-2 presents the reported concentrations of pesticides detected in soil samples from SWMU 73. The pesticides 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-chlordane, and gamma-chlordane were detected (including estimated concentrations designated by a "J" flag) in soil samples from the 0–1 ft or 4–5 ft intervals (Figure 4-1). The highest concentrations for 4,4'-DDE and 4,4'-DDT are found in SB01 at the 0-1 ft bgs at concentrations of 1.7 mg/kg and 3.6 mg/kg, respectively. Concentrations decrease at the 4–5 ft interval to 0.0022 mg/kg (4,4'-DDE) and 0.0031 mg/kg (4,4'-DDT). The higher concentration in upgradient boring SB01 is likely due to application of pesticides in the area as part of golf course maintenance operations. Other samples located adjacent to and in runoff channel and ponds would be less likely exposed to direct application of pesticides. Concentrations of pesticides would also be expected to be less due to the dispersion and dilution from stormwater events.

4.1.4 Polychlorinated Biphenyls

A single PCB, Arochlor 1260, was detected in the 0–1 ft sample from SB03 at a concentration of 0.024 mg/kg. PCBs are commonly used in coolant fluids in transformers, capacitors, batteries, and electric motors. Although the source of the PCB is unknown, the presence of PCBs near the surface and in one sample suggests that motor vehicles (i.e., golf carts, lawn mowers) used on the golf course could be the source.

4.1.5 Explosives

No explosive compounds were detected in any soil samples collected at SWMU 73.

4.1.6 Petroleum Hydrocarbons and Glycols

Figure 4-2 shows the distribution of DRO and GRO. DRO concentrations exceeded the RL in all 20 samples collected, ranging in concentration from 1.7 mg/kg in SB05 (11–12 ft) to 110 mg/kg in SB01 (0–1 ft). The concentration of DRO with respect to depth of soil samples decreased in all five borings. For example, the concentration of DRO in SB03 went from 44 mg/kg at 0–1 ft to 2.7 mg/kg at 24-25 ft.

GRO detections were limited to low level concentrations of 0.54 mg/kg (SB01), 1.2 mg/kg (SB02), 0.53 mg/kg (SB03) in the 0–1 ft interval. GRO was also detected in SB03 at 6.2 mg/kg (estimated concentration designated by a "J" flag) from 4-5 ft bgs and in SB05 at 2.5 mg/kg from 17–18 ft bgs.

The overall distribution of DRO is widespread and may reflect a spray application of a diesel-pesticide mixture to control mosquitoes (Figure 4-1). The presence of GRO and DRO may also be

due to airborne impacts associated with the operation of tractors and vehicles used during maintenance and use of the golf course.

4.1.7 Metals

As shown in Tables 4-1 and 4-2, metals and anions were detected in all samples. Concentrations and spatial distribution of metals detected in the subsurface are shown on Figure 4-2. A review of the analytical data shows the following:

- Concentrations for most metals decrease with depth in the five borings. Some notable exceptions to this distribution include calcium and magnesium which are persistently present due to caliche in the subsurface across the investigation area.
- The highest concentrations of calcium correlate with the lithologic logs that show caliche fragments within the affected sample intervals. For example, SB02 contains calcareous silts in the 11–12 ft and 17–18 ft sample intervals where calcium concentrations are180,000 mg/kg and 110,000 mg/kg, respectively.
- Increase in magnesium concentrations in SB02 and SB03 correspond with a similar increase in the calcium concentration.
- Low-level concentrations of arsenic were detected in all soil samples at concentrations ranging from 0.58 mg/kg in SB03 (24–25 ft bgs) to 4.5 mg/kg in SB01 (0–1 ft bgs). The decrease in concentrations of arsenic with depth is consistent with most other metals. Only two samples contained concentrations of arsenic that exceed the residential NMED SSL, and these detections occur in the surface soil samples (0–1 ft) collected at SB01 and SB02.
- Antimony was not detected in SB03 and SB05. Detections of antimony in SB01, SB02, and SB04 were flagged as either "J", indicating a positive detection, but the quantitation is estimated below the reporting limit.
- Concentrations of anions (chloride, nitrate, and sulfate) trended gradually higher with depth in SB01, SB02, and SB03. Concentrations decreased in SB04 and SB05; however, chloride was not detected in SB04.

The concentrations of metals detected in soil were compared to surface and subsurface background values to evaluate whether trends are present that suggest a contaminant release at SWMU 73. The distribution of metals with concentrations exceeding background is presented in Figure 4-2. Background values developed as part of the basewide background evaluation (Cannon AFB 1997) were compared to metals concentrations 0–1 ft bgs (surface soil) and greater than 1 ft bgs (subsurface soil) and exceedances are designated on Figure 4-2. In general, concentrations of metals exceed background at the surface, and decrease in frequency with depth.

4.2 Summary

During the implementation of the RFA at Cannon AFB, data were obtained from SWMU 73 to determine whether runoff from the Cantonment Area of the AFB, via stormwater drainage and retention ponds, contributed to the potential release of hazardous wastes to the environment, and

whether further action at SWMU 73 is required. A summary of the data collected as part of the field investigation includes:

- Twenty-two soil samples, including two field duplicates, were collected from five soil borings.
- Subsurface soils consisted fine grained sandy silt, silt with sand, lean clay with sand, and interbedded calcareous material (caliche). Asphalt chunks were present to a depth of 4 ft at SB01. Detection of PAHs in upgradient boring SB01 is attributed in part to the presence of asphalt found in the shallow subsurface soil.
- The highest detection or only detection (PCB, VOCs) for most analytes including, inorganics (metals) and organics (SVOCs and PAHs), pesticides, petroleum hydrocarbons, volatiles, and PCBs are found in the 0–1 ft interval. Concentrations for most analytes decrease with depth due to the semi-impermeable to impermeable layers of lean clays and caliche.
- DRO concentrations exceeded the RL in all 20 samples collected, ranging in concentration from 1.7 mg/kg in SB05 (11–12 ft) to 110 mg/kg in SB01 (0–1 ft). . The concentration of DRO with respect to depth of soil samples decreased in all five borings.
- Low level concentrations of arsenic were detected in all soil samples at concentrations ranging from 0.58 mg/kg in SB03 (24–25 ft bgs) to 4.5 mg/kg in SB01 (0–1 ft).
- A single PCB, Arochlor 1260, was detected in the 0–1 ft sample from SB03 at a concentration of 0.024 mg/kg.
- Pesticides were detected in soil samples from the 0–1-ft or 4–5ft intervals. The highest concentrations for 4,4'-DDE and 4,4'-DDT are found upgradient in SB01 at 0–1 ft bgs at concentrations of 1.7 mg/kg and 3.6 mg/kg, respectively.

Based on the data collected during this RFA field investigation, it can be concluded that daily operations associated with the golf course, such as application of pesticides, and use of vehicles and equipment to maintain the golf course have contributed in part to the detection and concentrations of certain analytes. Based on the highest concentration of pesticides and petroleum hydrocarbons (DRO and GRO) in background boring SB01, located above and outside the drainage ditches and retention ponds, it appears that runoff from the Cantonment Area of the AFB is not a significant pathway for the release of hazardous waste to the environment. The single detection of PCB at SB03 also suggests the source of contamination is isolated and related to a vehicle or equipment used by the golf course. It should be noted that the detection of arsenic at 4.5 mg/kg is consistent with recent sampling results from other SWMUs on Cannon AFB. Because no other COPCs were detected in these samples, it is likely that the arsenic detections at this SWMU are background related.

5. CONCEPTUAL SITE MODEL AND RISK EVALUATION

5.1 Conceptual Site Model

The preliminary human health CSM and ecological CSEM for SWMU 73 at Cannon AFB taken from the Final Work Plan are presented on Figures 5-1 and 5-2, respectively. The site conceptual models integrate information about the site to describe potential source areas, release mechanisms, transport pathways/mechanisms, exposure scenarios, and complete and incomplete exposure pathways. They also identify potentially exposed receptors under the current and reasonably anticipated future land and water uses. Based on the site observations and results of the RFA, the CSM and CSEM have been revised to present only surface soil as a complete exposure pathway because it is the only media where NMED residential SSLs were exceeded.

5.2 Risk Screening

Analytical results were compared to NMED residential SSLs (NMED 2012a, 2012b) to evaluate the potential for human health risk at SWMU 73 due to exposure to surface and subsurface soils. As presented in Table 4-1 and shown in Figures 4-1 and 4-2, three individual detections of two analytes exceeded residential SSLs, all located in surface soil (0–1 ft) at SWMU 73:

- Arsenic at SB01 at a concentration of 4.5 mg/kg exceeds both the Cannon AFB-specific background value of 3.6 mg/kg and the SSL of 3.9 mg/kg.
- Arsenic at SB02 at a concentration of 4.5 mg/kg exceeds both the Cannon AFB-specific background value of 3.6 mg/kg and the SSL of 3.9 mg/kg.
- Benzo[a]pyrene at SB05 a concentration of 0.21 mg/kg exceeds the SSL of 0.148 mg/kg.

No exceedances of residential SSLs occurred deeper than 1 ft indicating that direct exposure to surface soil presents the greatest potential risk, although it is questionable that the presence of arsenic and benzo[a]pyrene are due to contamination releases to the drainage and retention pond can be attributed to stormwater from the Cantonment area.

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6. INVESTIGATION-DERIVED WASTE MANAGEMENT

At the completion of each borehole, drilling equipment (e.g., augers, drill pipe, and sample barrels) was decontaminated using a mobile power washer mounted on a trailer at the site. The lined decontamination trailer captured the minimal sediment and waste water generated during decontamination activities. The water and solids were pumped into a 55-gallon drum and labeled with generation dates and contents. The soil cuttings generated from drilling operations were containerized in five U.S. Department of Transportation-approved 55-gallon Type 1A2 open-top steel drums. Each drum was labeled with the boring number, date, and a notation stating that 'sample results for the drum characterization are pending'. The six drums were subsequently transported to Building 201. The drums and their contents and results of waste characterization are presented in Table 6-1. Appendix D presents the comparisons of analytical results to NMED residential SSLs and Toxicity Characteristic Leaching Procedure (TCLP) criteria.

Decontaminated or disposable personal protective equipment was managed as solid waste and disposed onsite in a designated dumpster.

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7. CONCLUSIONS AND RECOMMENDATIONS

During the implementation of the RFA at Cannon AFB, data were obtained from 22 samples from five soil borings SWMU 73 to determine whether runoff from the Cantonment Area of the AFB, via stormwater drainage and retention ponds, contributed to the potential release of hazardous wastes to the environment, and whether further action at SWMU 73 is required. A summary of the data collected as part of the field investigation includes:

- Subsurface soils consisted fine grained sandy silt, silt with sand, lean clay with sand, and caliche. Asphalt was present in the subsurface to a depth of 4 ft at SB01. Detections of PAHs in upgradient boring SB01 is attributed to the presence of asphalt found in the shallow subsurface soil.

- The highest detection for most analytes including metals, SVOCs, PAHs, pesticides, petroleum hydrocarbons, and PCBs were found in surface soil (0–1 ft). Concentrations for most analytes decrease with depth due to low permeable and impermeable layers of lean clays and caliche in the subsurface.

- Arsenic was detected in all soil samples with only surface samples (0–1 ft bgs) at SB01 and SB02 containing arsenic at concentrations greater than background.

- Benzo[a]pyrene exceeded the NMED Residential SSL in one surface sample (0–1 ft bgs) at SB05.

Based on the data collected during this RFA field investigation, it can be concluded that daily operations associated with the golf course, such as application of pesticides, and use of vehicles and equipment to maintain the greens have contributed to the presence of organic compounds in soil at SWMU 73 rather than upgradient releases from the Cantonment Area.

Analytical results were compared to NMED residential SSLs (NMED 2012a, 2012b) to evaluate the potential for human health risk at SWMU 73 due to exposure to surface and subsurface soils. As presented in Section 5, three individual detections of two analytes (arsenic and benzo[a]pyrene) exceeded residential SSLs, all located in surface soil (0–1 ft) at SWMU 73:

- Arsenic at SB01 and SB02

- Benzo[a]pyrene at SB05

No exceedances of residential SSLs occurred deeper than 1 ft indicating that direct exposure to surface soil presents the greatest potential risk, although it is questionable that the presence of arsenic and benzo[a]pyrene are attributed to contamination releases from the drainage and retention pond.

Based on the results of this RFA, further sampling should be conducted to evaluate the nature and extent of PAHs as part of a focused RCRA Facility Investigation. Arsenic should not be considered a COPC because detections of 4.5 mg/kg are consistent with recent sampling results in other SWMUs on Cannon AFB. Because no other COPCs were detected in the same sample, it is likely that the arsenic detections at this SWMU are background related.

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FIGURES

Legend

Cannon Air Force Base

Transportation

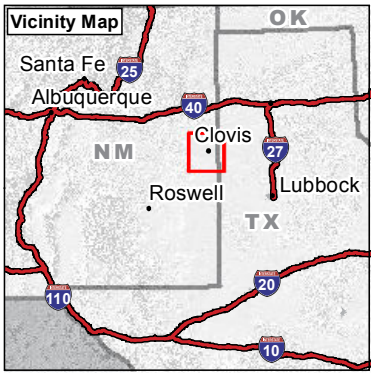
Interstate Highway

U.S. Highway

State Highway

0 3 6 Miles

Scale is 1:360,000 when printed at 8.5x11"



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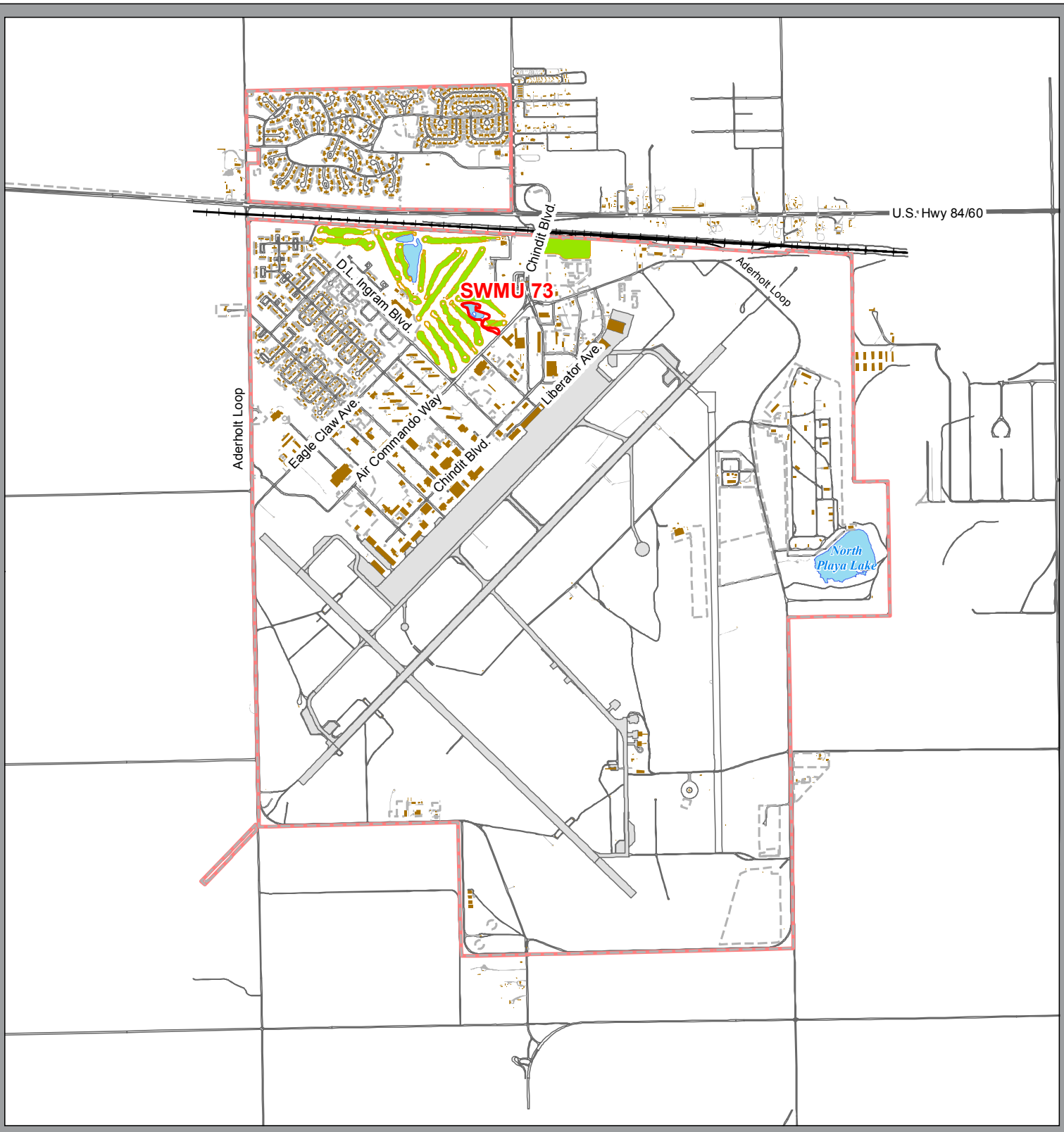
SWMU 73 RCRA Facility Assessment
Cannon Air Force Base, New Mexico

Figure 1-1
Cannon Air Force Base Location Map

Prepared by:
Tetra Tech Inc., Lakewood, Colorado

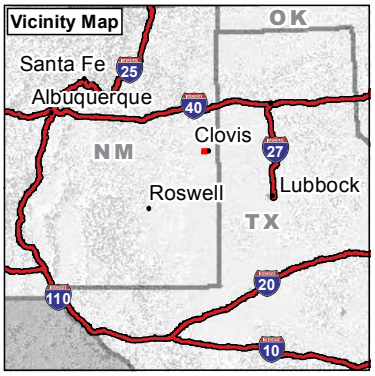


Legend

- SWMU 73
- Airfield Surface
- Existing Building
- Golf Course

0 1,500 3,000 Feet

Scale is 1:32,000 when printed at 8.5x11"



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SWMU 73 RCRA Facility Assessment
Cannon Air Force Base, New Mexico

Figure 1-2
Site Location Map

Prepared by:
Tetra Tech Inc., Lakewood, Colorado

Legend

- Proposed Soil Boring Location
- SWMU 73 Study Area
- Golf Course

0 115 230 Feet

Scale is 1:960

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SWMU 73 RCRA Facility Assessment
Cannon Air Force Base, New Mexico

Figure 3-1
SWMU 73 Sample Locations

Prepared by:
Tetra Tech Inc., Lakewood, Colorado

SB05

Analyte	0-1 ft	4-5 ft	11-12 ft	17-18 ft	24-25 ft
Petroleum Hydrocarbons (EPA 8015C)					
Diesel Range Organics [C10-C28]	39	3.4	1.7	2.8	2.4
Gasoline Range Organics [C6-C10]	0.56 U	0.52 U	0.62 U	2.5	0.61 U
Pesticides (EPA 8081A)					
4,4'-DDD	0.49	0.00069 U	0.00072 UJ	0.00072 UJ	0.00077 UJ
4,4'-DDE	0.18	0.00046 U	0.00048 U	0.00048 U	0.00051 U
4,4'-DDT	0.016	0.00069 U	0.00072 U	0.00072 U	0.00077 U
alpha-Chlordane	0.057	0.00046 UJ	0.00048 UJ	0.00048 UJ	0.00051 UJ
gamma-Chlordane	0.06	0.00069 UJ	0.00072 UJ	0.00072 UJ	0.00077 UJ
SVOCs (low detection limits) (EPA 8270D SIM)					
1-Methylnaphthalene	0.0046	0.00028 U	0.00027 U	0.00028 U	0.00028 U
2-Methylnaphthalene	0.0047	0.00070 U	0.00066 U	0.00071 U	0.00070 U
Acenaphthene	0.04	0.00028 U	0.00027 U	0.00028 U	0.00028 U
Acenaphthylene	0.0046	0.00070 U	0.00066 U	0.00071 U	0.00070 U
Anthracene	0.053	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Benzo[a]anthracene	0.22	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Benzo[a]pyrene	0.21	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Benzo[b]fluoranthene	0.29	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Benzo[g,h,i]perylene	0.2	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Benzo[k]fluoranthene	0.11	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Chrysene	0.27	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Dibenz(a,h)anthracene	0.046	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Fluoranthene	0.56	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Fluorene	0.027	0.00070 U	0.00066 U	0.00071 U	0.00070 U
Indeno[1,2,3-cd]pyrene	0.21	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Naphthalene	0.0064	0.00070 U	0.00066 U	0.00071 U	0.00070 U
Phenanthrene	0.27	0.0026 U	0.0025 U	0.0027 U	0.0026 U
Pyrene	0.52	0.0026 U	0.0025 U	0.0027 U	0.0026 U

SB03

Analyte	0-1 ft	4-5 ft	11-12 ft	17-18 ft	24-25 ft
Petroleum Hydrocarbons (EPA 8015C)					
Diesel Range Organics [C10-C28]	44	2.8	4.9	9.6	2.7
Gasoline Range Organics [C6-C10]	0.53	6.2 J	0.76 U	0.74 U	0.58 U
Pesticides (EPA 8081A)					
4,4'-DDD	0.012 J	0.00067 U	0.00067 U	0.00072 U	0.00070 U
4,4'-DDE	0.030 J	0.00045 U	0.00045 U	0.00048 U	0.00047 U
4,4'-DDT	0.024 J	0.00067 U	0.00067 U	0.00072 U	0.00070 U
alpha-Chlordane	0.015 J	0.00045 U	0.00045 U	0.00048 U	0.00047 U
gamma-Chlordane	0.012 J	0.00067 U	0.00067 U	0.00072 U	0.00070 U
PCBs (EPA 8082A)					
PCB-1260	0.024	0.0098 U	0.0097 U	0.010 U	0.010 U
VOCs (EPA 8260B/DoD)					
2-Butanone (MEK)	0.0093 U	0.010 U	0.003	0.0083 U	0.0065U
SVOCs (low detection limits) (EPA 8270D SIM)					
1-Methylnaphthalene	0.0026	0.00027 U	0.00028 U	0.00026 U	0.00028 U
2-Methylnaphthalene	0.0032	0.00067 U	0.00069 U	0.00065 U	0.00071 U
Acenaphthene	0.001	0.00027 U	0.00028 U	0.00026 U	0.00028 U
Benzo[a]anthracene	0.0082	0.0025 U	0.0026 U	0.0024 U	0.0012
Benzo[a]pyrene	0.0097	0.0025 U	0.0026 U	0.0024 U	0.0009
Benzo[b]fluoranthene	0.016	0.0025 U	0.0026 U	0.0024 U	0.0016
Benzo[g,h,i]perylene	0.013	0.0025 U	0.0026 U	0.0024 U	0.0026 U
Benzo[k]fluoranthene	0.0055	0.0025 U	0.0026 U	0.0024 U	0.0026 U
Chrysene	0.014	0.0025 U	0.0026 U	0.0024 U	0.0017
Dibenz(a,h)anthracene	0.013 U	0.0025 U	0.0026 U	0.0024 U	0.0026
Fluoranthene	0.02	0.0025 U	0.0026 U	0.0024 U	0.0027
Indeno[1,2,3-cd]pyrene	0.01	0.0025 U	0.0026 U	0.0024 U	0.0026 U
Phenanthrene	0.012	0.0025 U	0.0026 U	0.0024 U	0.0026 U
Pyrene	0.018	0.0025 U	0.0026 U	0.0024 U	0.0029

SB01

Analyte	0-1 ft	4-5 ft
Petroleum Hydrocarbons (EPA 8015C)		
Diesel Range Organics [C10-C28]	110	3.9
Gasoline Range Organics [C6-C10]	0.54	0.8 U
Pesticides (EPA 8081A)		
4,4'-DDD	0.22	0.00071 U
4,4'-DDE	1.7	0.0022
4,4'-DDT	3.6	0.0031
VOCs (EPA 8260B/DoD)		
2-Butanone (MEK)	0.49 U	0.0034 J
SVOCs (low detection limits) (EPA 8270D SIM)		
1-Methylnaphthalene	0.022	0.00027 U
2-Methylnaphthalene	0.026	0.00069 U
Acenaphthene	0.007	0.00027 U
Acenaphthylene	0.006	0.00069 U
Anthracene	0.0092	0.0026 U
Benzo[a]anthracene	0.03	0.0026 U
Benzo[a]pyrene	0.037	0.0026 U
Benzo[b]fluoranthene	0.057	0.0026 U
Benzo[g,h,i]perylene	0.064	0.0026 U
Benzo[k]fluoranthene	0.019	0.0026 U
Chrysene	0.047	0.0026 U
Fluoranthene	0.07	0.0026 U
Indeno[1,2,3-cd]pyrene	0.035	0.0026 U
Phenanthrene	0.046	0.0026 U
Pyrene	0.064	0.0026 U

SB04

Analyte	0-1 ft	4-5 ft	11-12 ft
Petroleum Hydrocarbons (EPA 8015C)			
Diesel Range Organics [C10-C28]	5.6	2.5	4.3
Pesticides (EPA 8081A)			
4,4'-DDE	0.00048	0.00053 U	0.00049 U
alpha-Chlordane	0.00072 J	0.00053 UJ	0.00049 UJ
gamma-Chlordane	0.0004 J	0.00079 UJ	0.00074 UJ
SVOCs (low detection limits) (EPA 8270D SIM)			
Fluoranthene	0.0027 U	0.0029 U	0.0015
Phenanthrene	0.0027 U	0.0014	0.0012
Pyrene	0.0027 U	0.0029 U	0.0013

SB02

Analyte	0-1 ft	4-5 ft	11-12 ft	17-18 ft	24-25 ft
Petroleum Hydrocarbons (EPA 8015C)					
Diesel Range Organics [C10-C28]	8.3	3.4	4.2	3.3	3.4
Gasoline Range Organics [C6-C10]	1.2	0.95 U	0.78 U	0.97 U	0.57 U
Pesticides (EPA 8081A)					
4,4'-DDE	0.0047	0.00049 U	0.0005 U	0.0005 U	0.00048 U
4,4'-DDT	0.0011	0.00074 U	0.00074 U	0.00075 U	0.00072 U
SVOCs (low detection limits) (EPA 8270D SIM)					
1-Methylnaphthalene	0.00033	0.00026 U	0.00029U	0.00028 U	0.00028 U
2-Methylnaphthalene	0.00038	0.00066 U	0.00073 U	0.00071 U	0.00070 U
Acenaphthene	0.00044	0.00026 U	0.00029 U	0.00028 U	0.00028 U

Legend

- Proposed Soil Boring Location
- SWMU 73 Study Area
- Golf Course
- 4.5 Concentration exceeds Residential SSL (NMED 2013)

*Measurements in mg/kg

0 115 230 Feet

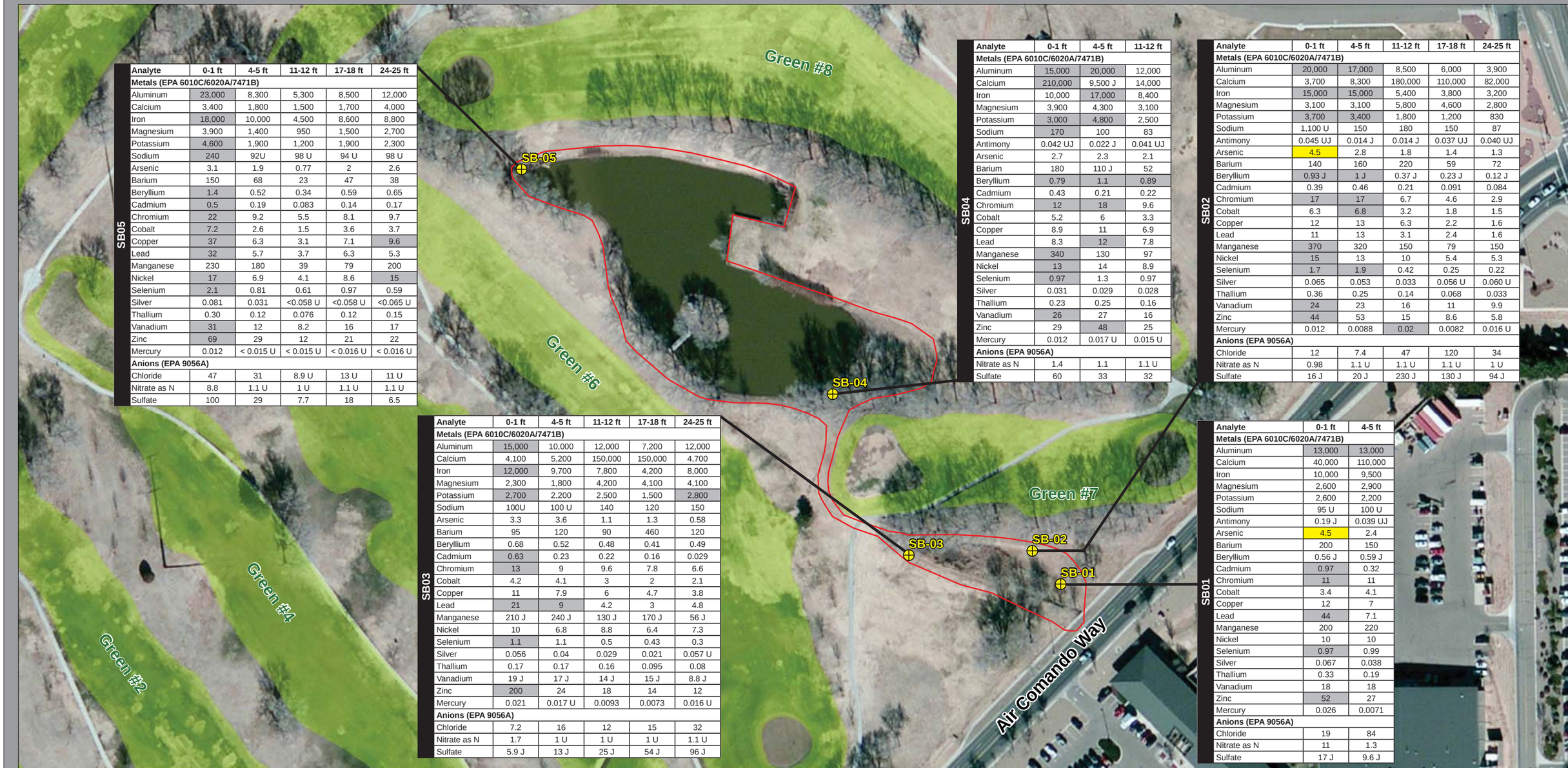
Scale is 1:750

Source: ESRI, DOD Path: P:\XXXX_Cannon_AFB\GIS\Layouts\131125\SWMU_73_Organic_Compounds.mxd Date Saved: 11/25/2013

SWMU 73 RCRA Facility Assessment
Cannon Air Force Base, New Mexico

Figure 4-1
Distribution of Organic Compounds in Soil at SWMU 73

Prepared by:
Tetra Tech Inc., Lakewood, Colorado



SB05

Analyte	0-1 ft	4-5 ft	11-12 ft	17-18 ft	24-25 ft
Metals (EPA 6010C/6020A/7471B)					
Aluminum	23,000	8,300	5,300	8,500	12,000
Calcium	3,400	1,800	1,500	1,700	4,000
Iron	18,000	10,000	4,500	8,600	8,800
Magnesium	3,900	1,400	950	1,500	2,700
Potassium	4,600	1,900	1,200	1,900	2,300
Sodium	240	92U	98 U	94 U	98 U
Arsenic	3.1	1.9	0.77	2	2.6
Barium	150	68	23	47	38
Beryllium	1.4	0.52	0.34	0.59	0.65
Cadmium	0.5	0.19	0.083	0.14	0.17
Chromium	22	9.2	5.5	8.1	9.7
Cobalt	7.2	2.6	1.5	3.6	3.7
Copper	37	6.3	3.1	7.1	9.6
Lead	32	5.7	3.7	6.3	5.3
Manganese	230	180	39	79	200
Nickel	17	6.9	4.1	8.6	15
Selenium	2.1	0.81	0.61	0.97	0.59
Silver	0.081	0.031	<0.058 U	<0.058 U	<0.065 U
Thallium	0.30	0.12	0.076	0.12	0.15
Vanadium	31	12	8.2	16	17
Zinc	69	29	12	21	22
Mercury	0.012	< 0.015 U	< 0.015 U	< 0.016 U	< 0.016 U
Anions (EPA 9056A)					
Chloride	47	31	8.9 U	13 U	11 U
Nitrate as N	8.8	1.1 U	1 U	1.1 U	1.1 U
Sulfate	100	29	7.7	18	6.5

SB04

Analyte	0-1 ft	4-5 ft	11-12 ft
Metals (EPA 6010C/6020A/7471B)			
Aluminum	15,000	20,000	12,000
Calcium	210,000	9,500 J	14,000
Iron	10,000	17,000	8,400
Magnesium	3,900	4,300	3,100
Potassium	3,000	4,800	2,500
Sodium	170	100	83
Antimony	0.042 UJ	0.022 J	0.041 UJ
Arsenic	2.7	2.3	2.1
Barium	180	110 J	52
Beryllium	0.79	1.1	0.89
Cadmium	0.43	0.21	0.22
Chromium	12	18	9.6
Cobalt	5.2	6	3.3
Copper	8.9	11	6.9
Lead	8.3	12	7.8
Manganese	340	130	97
Nickel	13	14	8.9
Selenium	0.97	1.3	0.97
Silver	0.031	0.029	0.028
Thallium	0.23	0.25	0.16
Vanadium	26	27	16
Zinc	29	48	25
Mercury	0.012	0.017 U	0.015 U
Anions (EPA 9056A)			
Nitrate as N	1.4	1.1	1.1 U
Sulfate	60	33	32

SB02

Analyte	0-1 ft	4-5 ft	11-12 ft	17-18 ft	24-25 ft
Metals (EPA 6010C/6020A/7471B)					
Aluminum	20,000	17,000	8,500	6,000	3,900
Calcium	3,700	8,300	180,000	110,000	82,000
Iron	15,000	15,000	5,400	3,800	3,200
Magnesium	3,100	3,100	5,800	4,600	2,800
Potassium	3,700	3,400	1,800	1,200	830
Sodium	1,100 U	150	180	150	87
Antimony	0.045 UJ	0.014 J	0.014 J	0.037 UJ	0.040 UJ
Arsenic	4.5	2.8	1.8	1.4	1.3
Barium	140	160	220	59	72
Beryllium	0.93 J	1 J	0.37 J	0.23 J	0.12 J
Cadmium	0.39	0.46	0.21	0.091	0.084
Chromium	17	17	6.7	4.6	2.9
Cobalt	6.3	6.8	3.2	1.8	1.5
Copper	12	13	6.3	2.2	1.6
Lead	11	13	3.1	2.4	1.6
Manganese	370	320	150	79	150
Nickel	15	13	10	5.4	5.3
Selenium	1.7	1.9	0.42	0.25	0.22
Silver	0.065	0.053	0.033	0.056 U	0.060 U
Thallium	0.36	0.25	0.14	0.068	0.033
Vanadium	24	23	16	11	9.9
Zinc	44	53	15	8.6	5.8
Mercury	0.012	0.0088	0.02	0.0082	0.016 U
Anions (EPA 9056A)					
Chloride	12	7.4	47	120	34
Nitrate as N	0.98	1.1 U	1.1 U	1.1 U	1 U
Sulfate	16 J	20 J	230 J	130 J	94 J

SB03

Analyte	0-1 ft	4-5 ft	11-12 ft	17-18 ft	24-25 ft
Metals (EPA 6010C/6020A/7471B)					
Aluminum	15,000	10,000	12,000	7,200	12,000
Calcium	4,100	5,200	150,000	150,000	4,700
Iron	12,000	9,700	7,800	4,200	8,000
Magnesium	2,300	1,800	4,200	4,100	4,100
Potassium	2,700	2,200	2,500	1,500	2,800
Sodium	100U	100 U	140	120	150
Arsenic	3.3	3.6	1.1	1.3	0.58
Barium	95	120	90	460	120
Beryllium	0.68	0.52	0.48	0.41	0.49
Cadmium	0.63	0.23	0.22	0.16	0.029
Chromium	13	9	9.6	7.8	6.6
Cobalt	4.2	4.1	3	2	2.1
Copper	11	7.9	6	4.7	3.8
Lead	21	9	4.2	3	4.8
Manganese	210 J	240 J	130 J	170 J	56 J
Nickel	10	6.8	8.8	6.4	7.3
Selenium	1.1	1.1	0.5	0.43	0.3
Silver	0.056	0.04	0.029	0.021	0.057 U
Thallium	0.17	0.17	0.16	0.095	0.08
Vanadium	19 J	17 J	14 J	15 J	8.8 J
Zinc	200	24	18	14	12
Mercury	0.021	0.017 U	0.0093	0.0073	0.016 U
Anions (EPA 9056A)					
Chloride	7.2	16	12	15	32
Nitrate as N	1.7	1 U	1 U	1 U	1.1 U
Sulfate	5.9 J	13 J	25 J	54 J	96 J

SB01

Analyte	0-1 ft	4-5 ft
Metals (EPA 6010C/6020A/7471B)		
Aluminum	13,000	13,000
Calcium	40,000	110,000
Iron	10,000	9,500
Magnesium	2,600	2,900
Potassium	2,600	2,200
Sodium	95 U	100 U
Antimony	0.19 J	0.039 UJ
Arsenic	4.5	2.4
Barium	200	150
Beryllium	0.56 J	0.59 J
Cadmium	0.97	0.32
Chromium	11	11
Cobalt	3.4	4.1
Copper	12	7
Lead	44	7.1
Manganese	200	220
Nickel	10	10
Selenium	0.97	0.99
Silver	0.067	0.038
Thallium	0.33	0.19
Vanadium	18	18
Zinc	52	27
Mercury	0.026	0.0071
Anions (EPA 9056A)		
Chloride	19	84
Nitrate as N	11	1.3
Sulfate	17 J	9.6 J

Legend

- Proposed Soil Boring Location
- SWMU 73 Study Area
- Golf Course
- 52 — Concentration exceeds background value (95% UTL) for surface/subsurface soil (Woodward-Clyde 1997)
- 4.5 — Concentration exceeds Residential SSL (NMED 2013)

*Measurements in mg/kg

0 115 230 Feet

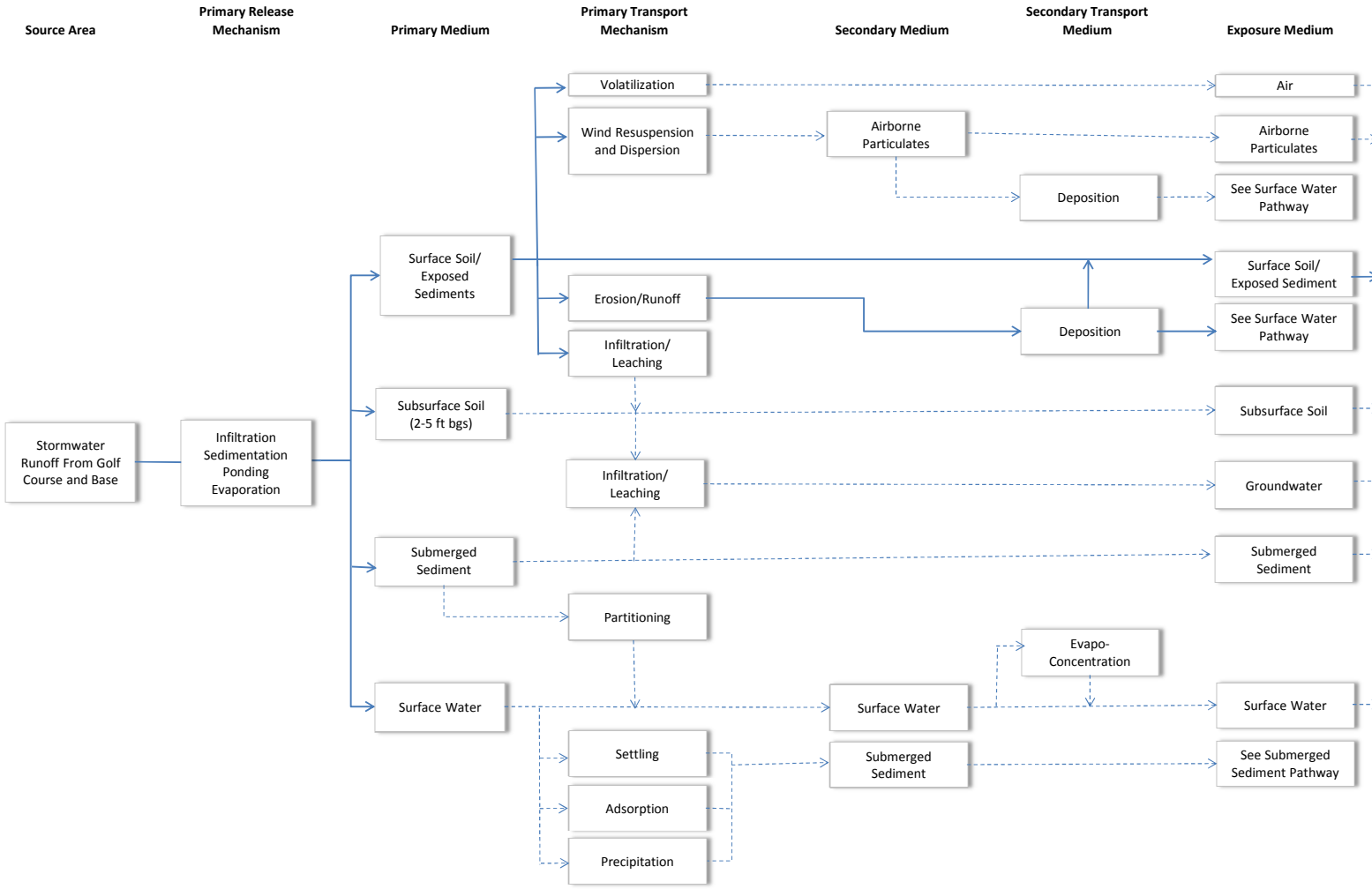
Scale is 1:750

Source: ESRI, DOD Path: P:\XXXX_Cannon_AFB\GIS\Layouts\131125\SWMU_73_Metals_Anion.mxd Date Saved: 11/25/2013

SWMU 73 RCRA Facility Assessment
Cannon Air Force Base, New Mexico

Figure 4-2
Distribution of Metals and Anions in Soil at SWMU 73

Prepared by:
Tetra Tech Inc., Lakewood, Colorado



Exposure Route	Potential Human Receptors			
	Recreational User/Visitor	Maintenance Worker	Resident/ Trespasser	Resident
	Current			Future
Inhalation	○	○	○	○
Inhalation	●	●	●	●
Ingestion	●	●	●	●
Direct Contact	●	●	●	●
Ingestion	—	●	—	●
Direct Contact	—	●	—	●
Ingestion	—	—	—	—
Direct Contact	—	—	—	—
Ingestion	●	●	●	●
Direct Contact	●	●	●	●
Ingestion	●	●	●	●
Direct Contact	●	●	●	●

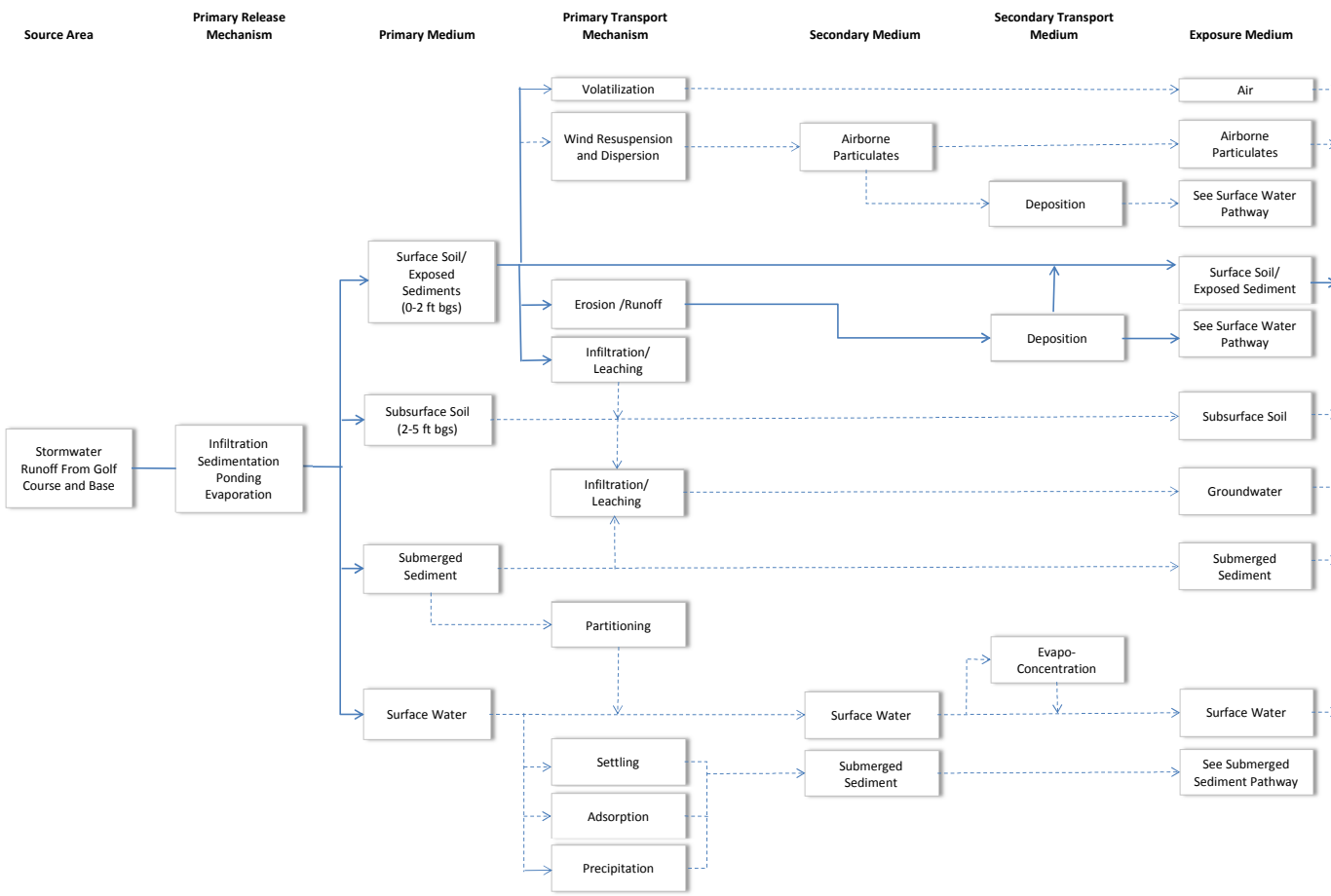
LEGEND

Pathway potentially complete.

Pathway incomplete.

SWMU 73 RCRA Facility Assessment
Cannon Air Force Base, New Mexico

Figure 5-1
Human Health Conceptual Site Model



Exposure Route	Potential Ecological Receptors					
	Water Fowl	Mammal	Amphibian	Benthic Inverte-brate	Terrestrial Inverte-brate	Plants
Inhalation/Respiration	—	—	—	—	—	—
Inhalation/Respiration	○	○	○	—	○	—
Dermal Contact/Uptake	—	—	—	—	—	○
Trophic Transfer	○	○	○	—	○	—
Dermal Contact/Uptake	○	○	○	—	○	●
Ingestion	●	●	●	—	●	—
Trophic Transfer	●	●	●	—	●	—
Dermal Contact/Uptake	—	—	—	—	○	●
Ingestion	—	—	—	—	●	—
Trophic Transfer	●	●	●	—	●	—
Dermal Contact/Uptake	—	—	—	—	—	—
Ingestion	—	—	—	—	—	—
Trophic Transfer	—	—	—	—	—	—
Dermal Contact/Uptake	●	—	○	●	—	●
ingestion	●	—	●	●	—	—
Trophic Transfer	●	—	○	●	—	—
Dermal Contact/Uptake	●	○	○	●	—	●
Ingestion	●	●	●	●	—	—
Trophic Transfer	—	—	—	●	—	—

LEGEND

Pathway potentially complete.

Pathway incomplete.

SWMU 73 RCRA Facility Assessment
Cannon Air Force Base, New Mexico

Figure 5-2
Ecological Conceptual Site Exposure Model for SWMU 73

TABLES

Table 3-1. Samples Collected at SWMU 73

Boring Number	Planned Depth (ft)	Actual Depth (ft)	Number of Samples	Number of QA/QC Samples
SB01	25	6	2	1
SB02	25	25	5	0
SB03	25	25	5	1
SB04	25	12	3	1
SB05	25	25	5	1

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Table 4-1. Summary of An/alytical Data for Soil Samples Collected at SWMU 73

An/alyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	NMED [1] Residential SSL (mg/kg)	Background Value [2] (mg/kg)
Surface Soil							
VOCs (EPA 8260B)							
None Detected	--	--	--	--	--	n/a	n/a
SVOCs (low detection limits) (EPA 8270D SIM)							
1-Methyln/aphthalene	5	4	0.0054 - 0.052	0.00033	0.022	n/a	n/a
2-Methyln/aphthalene	5	4	0.0054 - 0.052	0.00038	0.026	n/a	n/a
Acen/aphthene	5	4	0.0054 - 0.052	0.00044	0.04	3.44E+03	n/a
Acen/aphthylene	5	2	0.0054 - 0.052	0.0046	0.006	n/a	n/a
Anthracene	5	2	0.0054 - 0.052	0.0092	0.053	1.72E+04	n/a
Benzo[a]anthracene	5	3	0.0054 - 0.052	0.0082	0.22	1.48E+00	n/a
Benzo[a]pyrene	5	3	0.0054 - 0.052	0.0097	0.21	1.48E-01	n/a
Benzo[b]fluoranthene	5	3	0.0054 - 0.052	0.016	0.29	1.48E+00	n/a
Benzo[g,h,i]perylene	5	3	0.0054 - 0.052	0.013	0.2	n/a	n/a
Benzo[k]fluoranthene	5	3	0.0054 - 0.052	0.0055	0.11	1.48E+01	n/a
Chrysene	5	3	0.0054 - 0.052	0.014	0.27	1.48E+02	n/a
Dibenz(a,h)anthracene	5	1	0.0054 - 0.052	0.046	0.046	1.48E-01	n/a
Fluoranthene	5	3	0.0054 - 0.052	0.02	0.56	2.29E+03	n/a
Fluorene	5	1	0.0054 - 0.052	0.027	0.027	2.29E+03	n/a
Indeno[1,2,3-cd]pyrene	5	3	0.0054 - 0.052	0.01	0.21	1.48E+00	n/a
n/aphthalene	5	1	0.0054 - 0.052	0.0064	0.0064	4.30E+01	n/a
Phen/anthrene	5	3	0.0054 - 0.052	0.012	0.27	1.83E+03	n/a
Pyrene	5	3	0.0054 - 0.052	0.018	0.52	1.72E+03	n/a
Pesticides (EPA 8081A)							
alpha-Chlordane	5	3	0.0018 - 0.19	0.00072	0.057	1.62E+01 [3]	n/a
gamma-Chlordane	5	3	0.0018 - 0.19	0.0004	0.06	1.62E+01 [3]	n/a
4,4'-DDD	5	3	0.0018 - 0.37	0.012	0.49	2.03E+01	n/a
4,4'-DDE	5	5	0.0018 - 0.19	0.00048	1.7	1.43E+01	n/a
4,4'-DDT	5	4	0.0021 - 0.44	0.0011	3.6	1.72E+01	n/a
PCBs (EPA 8082A)							
PCB-1260 (Arochlor 1260)	5	1	0.034 - 0.041	0.024	0.024	2.22E+00	n/a
Explosives (EPA 8330B)							
None Detected	--	--	--	--	--	n/a	n/a
Petroleum Hydrocarbons (EPA 8015C)							
2,2'-Oxybisethanol	5	1	11 - 310	4.2	4.2	n/a	n/a
Gasoline Range Organics [C6-C10]	5	5	4.2 - 5	5.6	110	n/a	n/a
Diesel Range Organics [C10-C28]	5	3	1.2 - 1.8	0.53	1.2	n/a	n/a

Table 4-1. Summary of An/alytical Data for Soil Samples Collected at SWMU 73

An/alyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	NMED [1] Residential SSL (mg/kg)	Background Value [2] (mg/kg)
Metals (EPA 6010C/6020A/7471B)							
Aluminum	5	5	48 - 60	13000	23000	7.80E+04	8950
Antimony	5	2	0.2 - 0.22	0.033	0.19	3.13E+01	3.15
Arsenic	5	5	0.49 - 0.56	2.7	4.5	3.90E+00	3.6
Barium	5	5	0.25 - 0.28	95	200	1.56E+04	670
Beryllium	5	5	0.099 - 0.11	0.56	1.4	1.56E+02	0.78
Cadmium	5	5	0.099 - 0.11	0.39	0.97	7.03E+01	0.435
Calcium	5	5	95 - 1000	3400	210000	n/a	44,800
Chromium	5	5	0.2 - 0.22	11	22	1.17E+05	10.5
Cobalt	5	5	0.099 - 0.11	3.4	7.2	n/a	6.6
Copper	5	5	2.5 - 2.8	8.9	37	3.13E+03	18.3
Iron	5	5	19 - 24	10000	18000	5.48E+04	10,100
Lead	5	5	0.099 - 0.11	8.3	44	4.00E+02	12
Magnesium	5	5	19 - 24	2300	3900	n/a	1930
Manganese	5	5	0.099 - 0.11	200	370	1.86E+03	307
Mercury	5	5	0.021 - 0.025	0.012	0.026	1.56E+01	0.056
Nickel	5	5	0.35 - 0.39	10	17	1.56E+03	11
Potassium	5	5	290 - 360	2600	4600	n/a	2691
Selenium	5	5	0.49 - 0.56	0.97	2.1	3.91E+02	0.26
Silver	5	5	0.099 - 0.11	0.031	0.081	3.91E+02	0.4
Sodium	5	2	480 - 600	170	240	n/a	102
Thallium	5	5	0.099 - 0.11	0.17	0.36	7.80E-01	0.6
Van/adium	5	5	0.49 - 0.56	18	31	3.91E+02	23.3
Zinc	5	5	2.5 - 2.8	29	200	2.35E+04	32.2
Anions (EPA 9056A)							
Chloride	5	4	32 - 38	7.2	47	n/a	n/a
Nitrogen, Nitrate as N	5	5	5.4 - 6.3	0.98	11	1.25E+05	n/a
Sulfate	5	5	54 - 63	5.9	100	n/a	n/a

Table 4-1. Summary of An/alytical Data for Soil Samples Collected at SWMU 73

An/alyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	NMED [1] Residential SSL (mg/kg)	Background Value [2] (mg/kg)
Subsurface Soil							
VOCs (EPA 8260B)							
2-butanone (MEK)	15	1	0.02 - 1.6	0.003	0.003	3.71E+04	n/a
SVOCs (low detection limits) (EPA 8270D SIM)							
Benzo[a]anthracene	15	1	0.0049 - 0.0058	0.0012	0.0012	1.48E+00	n/a
Benzo[a]pyrene	15	1	0.0049 - 0.0058	0.0009	0.0009	1.48E-01	n/a
Benzo[b]fluoranthene	15	1	0.0049 - 0.0058	0.0016	0.0016	1.48E+00	n/a
Chrysene	15	1	0.0049 - 0.0058	0.0017	0.0017	1.48E+02	n/a
Fluoranthene	15	2	0.0049 - 0.0058	0.0015	0.0027	2.29E+03	n/a
Phen/anthrene	15	2	0.0049 - 0.0058	0.0012	0.0014	1.83E+03	n/a
Pyrene	15	2	0.0049 - 0.0058	0.0013	0.0029	1.72E+03	n/a
Pesticides (EPA 8081A)							
4,4'-DDE	15	1	0.0016 - 0.002	0.0022	0.0022	1.43E+01	n/a
4,4'-DDT	15	1	0.0019 - 0.0023	0.0031	0.0031	1.72E+01	n/a
PCBs (EPA 8082A)							
None Detected	--	--	--	--	--	n/a	n/a
Explosives (EPA 8330B)							
None Detected	--	--	--	--	--	n/a	n/a
Petroleum Hydrocarbons (EPA 8015C)							
2,2'-Oxybisethanol	15	4	10 - 280	0.71	3.7	n/a	n/a
Diesel Range Organics [C10-C28]	15	15	4 - 4.5	1.7	9.6	1,000 [1]	n/a
Gasoline Range Organics [C6-C10]	15	2	1.2 - 2.6	2.5	6.2	See note 4	n/a
Metals (EPA 6010C/6020A/7471B)							
Aluminum	15	15	45 - 55	3900	20000	7.80E+04	12,214
Antimony	15	5	0.19 - 0.23	0.014	0.022	3.13E+01	16
Arsenic	15	15	0.46 - 0.57	0.58	3.6	3.90E+00	4.3
Barium	15	15	0.23 - 0.28	23	460	1.56E+04	890
Beryllium	15	15	0.093 - 0.11	0.12	1.1	1.56E+02	0.73
Cadmium	15	15	0.093 - 0.11	0.029	0.46	7.03E+01	1.3
Calcium	15	15	90 - 110	1500	180000	n/a	237498
Chromium	15	15	0.19 - 0.23	2.9	18	1.17E+05	13.3
Cobalt	15	15	0.093 - 0.11	1.5	6.8	n/a	4.7
Copper	15	15	2.3 - 2.8	1.6	13	3.13E+03	8.3
Iron	15	15	18 - 22	3200	17000	5.48E+04	13148
Lead	15	15	0.093 - 0.11	1.6	13	4.00E+02	8.7
Magnesium	15	15	18 - 22	950	5800	n/a	19,300

Table 4-1. Summary of An/alytical Data for Soil Samples Collected at SWMU 73

An/alyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	NMED [1] Residential SSL (mg/kg)	Background Value [2] (mg/kg)
Metals (EPA 6010C/6020A/7471B) [continued]							
Manganese	15	15	0.093 - 0.11	39	320	1.86E+03	333
Mercury	15	6	0.019 - 0.022	0.0071	0.02	1.56E+01	0.019
Nickel	15	15	0.32 - 0.4	4.1	15	1.56E+03	14.9
Potassium	15	15	270 - 330	830	4800	n/a	2512
Selenium	15	15	0.46 - 0.57	0.22	1.9	3.91E+02	1.1
Silver	15	9	0.093 - 0.11	0.021	0.053	3.91E+02	2.65
Sodium	15	9	450 - 550	83	180	n/a	1227
Thallium	15	15	0.093 - 0.11	0.033	0.25	7.80E-01	2.65
Van/adium	15	15	0.46 - 0.57	8.2	27	3.91E+02	32.8
Zinc	15	15	2.3 - 2.8	5.8	53	2.35E+04	30.6
Anions (EPA 9056A)							
Chloride	15	10	30 - 35	7.4	120	n/a	n/a
Nitrogen, Nitrate as N	15	2	5 - 5.8	1.1	1.3	1.25E+05	n/a
Sulfate	15	15	50 - 58	6.5	230	n/a	n/a

Notes:

[1] Source: NMED 2012a, 2012b

[2] Source: Cannon AFB 1997

[3] SSLs are not available for alpha- and gamma-chlordane, therefore the SSL for chlordane is presented.

[4] Risk-based level not available for GRO. Instead, indivual compounds (benzene, toluene, ethylbenzene, and xylenes) are evaluated for gasoline, which were not detected during the RFA .

Table 4-2 Analytical Results for Soil Samples Collected at SWMU 73

		Analyte Concentrations in mg/kg Listed by Location, Depth, and Sample Number					
Analyte	**Range of Reporting Limits (mg/kg)**	**SB01 0-1 ft** SWMU73SB0100	**SB01 5-6 ft** SWMU73SB0105	**SB02 0-1 ft** SWMU73SB0200	**SB02 5-6 ft** SWMU73SB0205	**SB02 11-12 ft** SWMU73SB0211	**SB02 17-18 ft** SWMU73SB0217
VOCs (EPA 8260B)							
2-Butanone (MEK)	0.0051 - 0.52	0.49 U	0.46 U	0.34 U	0.49 U	0.52 U	0.48 U
SVOCs (low detection limits) (EPA 8270D SIM)							
1-Methylnaphthalene	0.00026 - 0.0028	0.022	0.00027 U	0.00033	0.00026 U	0.00029 U	0.00028 U
2-Methylnaphthalene	0.00065 - 0.007	0.026	0.00069 U	0.00038	0.00066 U	0.00073 U	0.00071 U
Acenaphthene	0.00026 - 0.0028	0.007	0.00027 U	0.00044	0.00026 U	0.00029 U	0.00028 U
Acenaphthylene	0.00065 - 0.007	0.006	0.00069 U	0.00074 U	0.00066 U	0.00073 U	0.00071 U
Anthracene	0.0024 - 0.026	0.0092	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Benzo[a]anthracene	0.0024 - 0.026	0.03	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Benzo[a]pyrene	0.0024 - 0.026	0.037	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Benzo[b]fluoranthene	0.0024 - 0.026	0.057	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Benzo[g,h,i]perylene	0.0024 - 0.026	0.064	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Benzo[k]fluoranthene	0.0024 - 0.026	0.019	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Chrysene	0.0024 - 0.026	0.047	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Dibenz(a,h)anthracene	0.0024 - 0.026	0.026 U	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Fluoranthene	0.0024 - 0.026	0.07	0.0026 U	0.0056 U	0.0025 U	0.0027 U	0.0027 U
Fluorene	0.00065 - 0.007	0.007 U	0.00069 U	0.00074 U	0.00066 U	0.00073 U	0.00071 U
Indeno[1,2,3-cd]pyrene	0.0024 - 0.026	0.035	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Naphthalene	0.00065 - 0.007	0.016 U	0.00069 U	0.00074 U	0.00066 U	0.00073 U	0.00071 U
Phenanthrene	0.0024 - 0.026	0.046	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Pyrene	0.0024 - 0.026	0.064	0.0026 U	0.0028 U	0.0025 U	0.0027 U	0.0027 U
Pesticides (EPA 8081A)							
alpha-Chlordane	0.00045 - 0.05	0.05 U	0.00048 U	0.00054 U	0.00049 U	0.0005 U	0.0005 U
gamma-Chlordane	0.00067 - 0.075	0.075 U	0.00071 U	0.00081 U	0.00074 U	0.00074 U	0.00075 U
4,4'-DDD	0.00067 - 0.15	0.22	0.00071 U	0.00081 U	0.00074 U	0.00074 U	0.00075 U
4,4'-DDE	0.00045 - 0.05	1.7	0.0022	0.0047	0.00049 U	0.0005 U	0.0005 U
4,4'-DDT	0.00067 - 0.15	3.6	0.0031	0.0011	0.00074 U	0.00074 U	0.00075 U
PCBs (EPA 8082A)							
PCB-1260	0.0097 - 0.012	0.011 U	0.01 U	0.012 U	0.011 U	0.011 U	0.011 U
Explosives (EPA 8330B) — None Detected							
Petroleum Hydrocarbons (EPA 8015C)							
2,2'-Oxybisethanol	2 - 62	2.1 U	2.1 U	4.2	1.5	0.71	2.2 U
Diesel Range Organics [C10-C28]	2 - 2.5	110	3.9	8.3	3.4	4.2	3.3
Gasoline Range Organics [C6-C10]	0.52 - 1.2	0.54	0.8 U	1.2	0.95 U	0.78 U	0.97 U

Table 4-2 Analytical Results for Soil Samples Collected at SWMU 73

		Analyte Concentrations in mg/kg Listed by Location, Depth, and Sample Number					
Analyte	**Range of Reporting Limits (mg/kg)**	**SB01 0-1 ft** SWMU73SB0100	**SB01 5-6 ft** SWMU73SB0105	**SB02 0-1 ft** SWMU73SB0200	**SB02 5-6 ft** SWMU73SB0205	**SB02 11-12 ft** SWMU73SB0211	**SB02 17-18 ft** SWMU73SB0217
Pesticides (EPA 8081A)							
alpha-Chlordane	0.00045 - 0.05	0.05 U	0.00048 U	0.00054 U	0.00049 U	0.0005 U	0.0005 U
gamma-Chlordane	0.00067 - 0.075	0.075 U	0.00071 U	0.00081 U	0.00074 U	0.00074 U	0.00075 U
4,4'-DDD	0.00067 - 0.15	0.22	0.00071 U	0.00081 U	0.00074 U	0.00074 U	0.00075 U
4,4'-DDE	0.00045 - 0.05	1.7	0.0022	0.0047	0.00049 U	0.0005 U	0.0005 U
4,4'-DDT	0.00067 - 0.15	3.6	0.0031	0.0011	0.00074 U	0.00074 U	0.00075 U
PCBs (EPA 8082A)							
PCB-1260	0.0097 - 0.012	0.011 U	0.01 U	0.012 U	0.011 U	0.011 U	0.011 U
Metals (EPA 6010C/6020A/7471B)							
Aluminum	2.7 - 3.6	13000	13000	20000	17000	8500	6000
Calcium	18 - 200	40000	110000	3700	8300	180000	110000
Iron	4.5 - 6	10000	9500	15000	15000	5400	3800
Magnesium	4.5 - 6	2600	2900	3100	3100	5800	4600
Potassium	45 - 60	2600	2200	3700	3400	1800	1200
Sodium	90 - 120	95 U	100 U	110 U	150	180	150
Antimony	0.037 - 0.045	0.19 J	0.039 UJ	0.045 UJ	0.014 J	0.014 J	0.037 UJ
Arsenic	0.14 - 0.17	4.5	2.4	4.5	2.8	1.8	1.4
Barium	0.19 - 0.23	200	150	140	160	220	59
Beryllium	0.06 - 0.073	0.56 J	0.59 J	0.93 J	1 J	0.37 J	0.23 J
Cadmium	0.023 - 0.028	0.97	0.32	0.39	0.46	0.21	0.091
Chromium	0.16 - 0.2	11	11	17	17	6.7	4.6
Cobalt	0.017 - 0.02	3.4	4.1	6.3	6.8	3.2	1.8
Copper	0.19 - 0.23	12	7	12	13	6.3	2.2
Lead	0.046 - 0.057	44	7.1	11	13	3.1	2.4
Manganese	0.083 - 0.1	200	220	370	320	150	79
Nickel	0.07 - 0.085	10	10	15	13	10	5.4
Selenium	0.23 - 0.28	0.97	0.99	1.7	1.9	0.42	0.25
Silver	0.056 - 0.068	0.067	0.038	0.065	0.053	0.033	0.056 U
Thallium	0.0093 - 0.011	0.33	0.19	0.36	0.25	0.14	0.068
Vanadium	0.093 - 0.11	18	18	24	23	16	11
Zinc	0.83 - 1	52	27	44	53	15	8.6
Mercury	0.015 - 0.02	0.026	0.0071	0.012	0.0088	0.02	0.0082
Anions (EPA 9056A)							
Chloride	5 - 6.3	19	84	12	7.4	47	120
Nitrate as N	1 - 1.3	11	1.3	0.98	1.1 U	1.1 U	1.1 U
Nitrite as N	1 - 1.3	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Sulfate	5 - 6.3	17 J	9.6 J	16 J	20 J	230 J	130 J

Table 4-2 Analytical Results for Soil Samples Collected at SWMU 73

	Analyte Concentrations in mg/kg Listed by Location, Depth, and Sample Number						
	SB02	**SB03**	**SB03**	**SB03**	**SB03**	**SB03**	**SB04**
	24-25 ft	**0-1 ft**	**5-6 ft**	**11-12 ft**	**17-18 ft**	**24-25 ft**	**0-1 ft**
Analyte	SWMU73SB0224	SWMU73SB0300	SWMU73SB0305	SWMU73SB0311	SWMU73SB0317	SWMU73SB0324	SWMU73SB0400
VOCs (EPA 8260B)							
2-Butanone (MEK)	0.35 U	0.0093 U	0.01 U	0.003	0.0083 U	0.0065 U	0.0095 U
SVOCs (low detection limits) (EPA 8270D SIM)							
1-Methylnaphthalene	0.00028 U	0.0026	0.00027 U	0.00028 U	0.00026 U	0.00028 U	0.00029 U
2-Methylnaphthalene	0.0007 U	0.0032	0.00067 U	0.00069 U	0.00065 U	0.00071 U	0.00073 U
Acenaphthene	0.00028 U	0.001	0.00027 U	0.00028 U	0.00026 U	0.00028 U	0.00029 U
Acenaphthylene	0.0007 U	0.0034 U	0.00067 U	0.00069 U	0.00065 U	0.00071 U	0.00073 U
Anthracene	0.0026 U	0.013 U	0.0025 U	0.0026 U	0.0024 U	0.0026 U	0.0027 U
Benzo[a]anthracene	0.0026 U	0.0082	0.0025 U	0.0026 U	0.0024 U	0.0012	0.0027 U
Benzo[a]pyrene	0.0026 U	0.0097	0.0025 U	0.0026 U	0.0024 U	0.0009	0.0027 U
Benzo[b]fluoranthene	0.0026 U	0.016	0.0025 U	0.0026 U	0.0024 U	0.0016	0.0027 U
Benzo[g,h,i]perylene	0.0026 U	0.013	0.0025 U	0.0026 U	0.0024 U	0.0026 U	0.0027 U
Benzo[k]fluoranthene	0.0026 U	0.0055	0.0025 U	0.0026 U	0.0024 U	0.0026 U	0.0027 U
Chrysene	0.0026 U	0.014	0.0025 U	0.0026 U	0.0024 U	0.0017	0.0027 U
Dibenz(a,h)anthracene	0.0026 U	0.013 U	0.0025 U	0.0026 U	0.0024 U	0.0026 U	0.0027 U
Fluoranthene	0.0026 U	0.02	0.0025 U	0.0026 U	0.0024 U	0.0027	0.0027 U
Fluorene	0.0007 U	0.0034 U	0.00067 U	0.00069 U	0.00065 U	0.00071 U	0.00073 U
Indeno[1,2,3-cd]pyrene	0.0026 U	0.01	0.0025 U	0.0026 U	0.0024 U	0.0026 U	0.0027 U
Naphthalene	0.0007 U	0.0034 U	0.00067 U	0.00069 U	0.00065 U	0.00071 U	0.00073 U
Phenanthrene	0.0026 U	0.012	0.0025 U	0.0026 U	0.0024 U	0.0026 U	0.0027 U
Pyrene	0.0026 U	0.018	0.0025 U	0.0026 U	0.0024 U	0.0029	0.0027 U
Pesticides (EPA 8081A)							
alpha-Chlordane	0.00048 U	0.015 J	0.00045 U	0.00045 U	0.00048 U	0.00047 U	0.00072 J
gamma-Chlordane	0.00072 U	0.012 J	0.00067 U	0.00067 U	0.00072 U	0.0007 U	0.0004 J
4,4'-DDD	0.00072 U	0.012 J	0.00067 U	0.00067 U	0.00072 U	0.0007 U	0.00073 UJ
4,4'-DDE	0.00048 U	0.03 J	0.00045 U	0.00045 U	0.00048 U	0.00047 U	0.00048
4,4'-DDT	0.00072 U	0.024 J	0.00067 U	0.00067 U	0.00072 U	0.0007 U	0.00073 U
PCBs (EPA 8082A)							
PCB-1260	0.01 U	0.024	0.0098 U	0.0097 U	0.01 U	0.01 U	0.011 U
Explosives (EPA 8330B) — None Detected							
Petroleum Hydrocarbons (EPA 8015C)							
2,2'-Oxybisethanol	2.1 U	2.2 U	2 U	3.7 U	2.1 U	2.1 U	2.3 U
Diesel Range Organics [C10-C28]	3.4	44	2.8	4.9	9.6	2.7	5.6
Gasoline Range Organics [C6-C10]	0.57 U	0.53	6.2 J	0.76 U	0.74 U	0.58 U	0.73 U

Table 4-2 Analytical Results for Soil Samples Collected at SWMU 73

	Analyte Concentrations in mg/kg Listed by Location, Depth, and Sample Number						
	SB02	**SB03**	**SB03**	**SB03**	**SB03**	**SB03**	**SB04**
	24-25 ft	**0-1 ft**	**5-6 ft**	**11-12 ft**	**17-18 ft**	**24-25 ft**	**0-1 ft**
Analyte	SWMU73SB0224	SWMU73SB0300	SWMU73SB0305	SWMU73SB0311	SWMU73SB0317	SWMU73SB0324	SWMU73SB0400
Pesticides (EPA 8081A)							
alpha-Chlordane	0.00048 U	0.015 J	0.00045 U	0.00045 U	0.00048 U	0.00047 U	0.00072 J
gamma-Chlordane	0.00072 U	0.012 J	0.00067 U	0.00067 U	0.00072 U	0.0007 U	0.0004 J
4,4'-DDD	0.00072 U	0.012 J	0.00067 U	0.00067 U	0.00072 U	0.0007 U	0.00073 UJ
4,4'-DDE	0.00048 U	0.03 J	0.00045 U	0.00045 U	0.00048 U	0.00047 U	0.00048
4,4'-DDT	0.00072 U	0.024 J	0.00067 U	0.00067 U	0.00072 U	0.0007 U	0.00073 U
PCBs (EPA 8082A)							
PCB-1260	0.01 U	0.024	0.0098 U	0.0097 U	0.01 U	0.01 U	0.011 U
Metals (EPA 6010C/6020A/7471B)							
Aluminum	3900	15000	10000	12000	7200	12000	15000
Calcium	82000	4100	5200	150000	150000	4700	210000
Iron	3200	12000	9700	7800	4200	8000	10000
Magnesium	2800	2300	1800	4200	4100	4100	3900
Potassium	830	2700	2200	2500	1500	2800	3000
Sodium	87	100 U	100 U	140	120	150	170
Antimony	0.04 UJ	0.04 UJ	0.039 UJ	0.041 UJ	0.038 UJ	0.038 UJ	0.042 UJ
Arsenic	1.3	3.3	3.6	1.1	1.3	0.58	2.7
Barium	72	95	120	90	460	120	180
Beryllium	0.12 J	0.68	0.52	0.48	0.41	0.49	0.79
Cadmium	0.084	0.63	0.23	0.22	0.16	0.029	0.43
Chromium	2.9	13	9	9.6	7.8	6.6	12
Cobalt	1.5	4.2	4.1	3	2	2.1	5.2
Copper	1.6	11	7.9	6	4.7	3.8	8.9
Lead	1.6	21	9	4.2	3	4.8	8.3
Manganese	150	210 J	240 J	130 J	170 J	56 J	340
Nickel	5.3	10	6.8	8.8	6.4	7.3	13
Selenium	0.22	1.1	1.1	0.5	0.43	0.3	0.97
Silver	0.06 U	0.056	0.04	0.029	0.021	0.057 U	0.031
Thallium	0.033	0.17	0.17	0.16	0.095	0.08	0.23
Vanadium	9.9	19 J	17 J	14 J	15 J	8.8 J	26
Zinc	5.8	200	24	18	14	12	29
Mercury	0.016 U	0.021	0.017 U	0.0093	0.0073	0.016 U	0.012
Anions (EPA 9056A)							
Chloride	34	7.2	16	12	15	32	17 U
Nitrate as N	1 U	1.7	1 U	1 U	1 U	1.1 U	1.4
Nitrite as N	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.1 U
Sulfate	94 J	5.9 J	13 J	25 J	54 J	96 J	60

Table 4-2 Analytical Results for Soil Samples Collected at SWMU 73

	Analyte Concentrations in mg/kg Listed by Location, Depth, and Sample Number								
	SB04	**SB04**	**SB04**	**SB05**	**SB05**	**SB05**	**SB05**	**SB05**	**SB05**
	5-6 ft	**5-6 ft (FD)**	**11-12 ft**	**0-1 ft**	**5-6 ft**	**11-12 ft**	**11-12 ft (FD)**	**17-18 ft**	**24-25 ft**
Analyte	SWMU73SB0405	SWMU73SB0405D	SWMU73SB0411	SWMU73SB0500	SWMU73SB0505	SWMU73SB0511	SWMU73SB0511D	SWMU73SB0517	SWMU73SB0524
VOCs (EPA 8260B)									
2-Butanone (MEK)	0.0068 U	0.0066 U	0.0078 U	0.0077 U	0.0078 U	0.0066 U	0.0082 U	0.008 U	0.0072 U
SVOCs (low detection limits) (EPA 8270D SIM)									
1-Methylnaphthalene	0.00031 U	0.00031 U	0.00029 U	0.0046	0.00028 U	0.00027 U	0.00026 U	0.00028 U	0.00028 U
2-Methylnaphthalene	0.00077 U	0.00076 U	0.00073 U	0.0047	0.0007 U	0.00066 U	0.00066 U	0.00071 U	0.0007 U
Acenaphthene	0.00031 U	0.00031 U	0.00029 U	0.04	0.00028 U	0.00027 U	0.00026 U	0.00028 U	0.00028 U
Acenaphthylene	0.00077 U	0.00076 U	0.00073 U	0.0046	0.0007 U	0.00066 U	0.00066 U	0.00071 U	0.0007 U
Anthracene	0.0029 U	0.0029 U	0.0027 U	0.053	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Benzo[a]anthracene	0.0029 U	0.0029 U	0.0027 U	0.22	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Benzo[a]pyrene	0.0029 U	0.0029 U	0.0027 U	0.21	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Benzo[b]fluoranthene	0.0029 U	0.0029 U	0.0027 U	0.29	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Benzo[g,h,i]perylene	0.0029 U	0.0029 U	0.0027 U	0.2	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Benzo[k]fluoranthene	0.0029 U	0.0029 U	0.0027 U	0.11	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Chrysene	0.0029 U	0.0029 U	0.0027 U	0.27	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Dibenz(a,h)anthracene	0.0029 U	0.0029 U	0.0027 U	0.046	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Fluoranthene	0.0029 U	0.0029 U	0.0015	0.56	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Fluorene	0.00077 U	0.00076 U	0.00073 U	0.027	0.0007 U	0.00066 U	0.00066 U	0.00071 U	0.0007 U
Indeno[1,2,3-cd]pyrene	0.0029 U	0.0029 U	0.0027 U	0.21	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Naphthalene	0.00077 U	0.00076 U	0.00073 U	0.0064	0.0007 U	0.00066 U	0.00066 U	0.00071 U	0.0007 U
Phenanthrene	0.0014	0.0029 U	0.0012	0.27	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Pyrene	0.0029 U	0.0029 U	0.0013	0.52	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U
Pesticides (EPA 8081A)									
alpha-Chlordane	0.00053 UJ	0.00051 UJ	0.00049 UJ	0.057	0.00046 UJ	0.00048 UJ	0.00048 UJ	0.00048 UJ	0.00051 UJ
gamma-Chlordane	0.00079 UJ	0.00076 UJ	0.00074 UJ	0.06	0.00069 UJ	0.00072 UJ	0.00072 UJ	0.00072 UJ	0.00077 UJ
4,4'-DDD	0.00079 UJ	0.00076 UJ	0.00074 UJ	0.49	0.00069 UJ	0.00072 UJ	0.00072 UJ	0.00072 UJ	0.00077 UJ
4,4'-DDE	0.00053 U	0.00051 U	0.00049 U	0.18	0.00046 U	0.00048 U	0.00048 U	0.00048 U	0.00051 U
4,4'-DDT	0.00079 U	0.00076 U	0.00074 U	0.016	0.00069 U	0.00072 U	0.00072 U	0.00072 U	0.00077 U
PCBs (EPA 8082A)									
PCB-1260	0.011 U	0.011 U	0.011 U	0.012 U	0.01 U	0.01 U	0.01 U	0.01 U	0.011 U
Explosives (EPA 8330B) — None Detected									
Petroleum Hydrocarbons (EPA 8015C)									
2,2'-Oxybisethanol	2.3 U	2.2 U	2.2 U	62 UJ	2.1 U	51 UJ	51 UJ	55 UJ	55 UJ
Diesel Range Organics [C10-C28]	2.5	3.5	4.3	39	3.4	1.7	1.9	2.8	2.4
Gasoline Range Organics [C6-C10]	0.67 U	0.54 U	0.52 U	0.56 U	0.52 U	0.62 U	0.61 U	2.5	0.61 U

Table 4-2 Analytical Results for Soil Samples Collected at SWMU 73

	Analyte Concentrations in mg/kg Listed by Location, Depth, and Sample Number								
	SB04	**SB04**	**SB04**	**SB05**	**SB05**	**SB05**	**SB05**	**SB05**	**SB05**
	5-6 ft	**5-6 ft (FD)**	**11-12 ft**	**0-1 ft**	**5-6 ft**	**11-12 ft**	**11-12 ft (FD)**	**17-18 ft**	**24-25 ft**
Analyte	SWMU73SB0405	SWMU73SB0405D	SWMU73SB0411	SWMU73SB0500	SWMU73SB0505	SWMU73SB0511	SWMU73SB0511D	SWMU73SB0517	SWMU73SB0524
Pesticides (EPA 8081A)									
alpha-Chlordane	0.00053 UJ	0.00051 UJ	0.00049 UJ	0.057	0.00046 UJ	0.00048 UJ	0.00048 UJ	0.00048 UJ	0.00051 UJ
gamma-Chlordane	0.00079 UJ	0.00076 UJ	0.00074 UJ	0.06	0.00069 UJ	0.00072 UJ	0.00072 UJ	0.00072 UJ	0.00077 UJ
4,4'-DDD	0.00079 UJ	0.00076 UJ	0.00074 UJ	0.49	0.00069 UJ	0.00072 UJ	0.00072 UJ	0.00072 UJ	0.00077 UJ
4,4'-DDE	0.00053 U	0.00051 U	0.00049 U	0.18	0.00046 U	0.00048 U	0.00048 U	0.00048 U	0.00051 U
4,4'-DDT	0.00079 U	0.00076 U	0.00074 U	0.016	0.00069 U	0.00072 U	0.00072 U	0.00072 U	0.00077 U
PCBs (EPA 8082A)									
PCB-1260	0.011 U	0.011 U	0.011 U	0.012 U	0.01 U	0.01 U	0.01 U	0.01 U	0.011 U
Metals (EPA 6010C/6020A/7471B)									
Aluminum	20000	21000	12000	23000	8300	5300	5400	8500	12000
Calcium	9500 J	13000 J	14000	3400	1800	1500	1200	1700	4000
Iron	17000	17000	8400	18000	10000	4500	4700	8600	8800
Magnesium	4300	4400	3100	3900	1400	950	1000	1500	2700
Potassium	4800	4900	2500	4600	1900	1200	1200	1900	2300
Sodium	100	98	83	240	92 U	98 U	90 U	94 U	98 U
Antimony	0.022 J	0.046 UJ	0.041 UJ	0.044 UJ	0.042 UJ	0.039 UJ	0.039 UJ	0.039 UJ	0.043 UJ
Arsenic	2.3	2.5	2.1	3.1	1.9	0.77	0.63	2	2.6
Barium	110 J	170 J	52	150	68	23	21	47	38
Beryllium	1.1	1.3	0.89	1.4	0.52	0.34	0.26	0.59	0.65
Cadmium	0.21	0.35	0.22	0.5	0.19	0.083	0.096	0.14	0.17
Chromium	18	20	9.6	22	9.2	5.5	4.3	8.1	9.7
Cobalt	6	7.1	3.3	7.2	2.6	1.5	1.4	3.6	3.7
Copper	11	12	6.9	37	6.3	3.1	2.6	7.1	9.6
Lead	12	13	7.8	32	5.7	3.7	3.2	6.3	5.3
Manganese	130	140	97	230	180	39	30	79	200
Nickel	14	16	8.9	17	6.9	4.1	3.2	8.6	15
Selenium	1.3	1.5	0.97	2.1	0.81	0.61	0.5	0.97	0.59
Silver	0.029	0.027	0.028	0.081	0.031	0.058 U	0.059 U	0.058 U	0.065 U
Thallium	0.25	0.27	0.16	0.3	0.12	0.076	0.058	0.12	0.15
Vanadium	27	30	16	31	12	8.2	6.3	16	17
Zinc	48	53	25	69	29	12	10	21	22
Mercury	0.017 U	0.017 U	0.015 U	0.012	0.015 U	0.015 U	0.015 U	0.016 U	0.016 U
Anions (EPA 9056A)									
Chloride	18 U	20 U	17 U	47	31	8.9 U	10 U	13 U	11 U
Nitrate as N	1.1	1.2	1.1 U	8.8	1.1 U	1 U	1 U	1.1 U	1.1 U
Nitrite as N	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1 U	1 U	1.1 U	1.1 U
Sulfate	33	41	32	100	29	7.7	9.3	18	6.5

FD - field duplicate
J - Estimate concentration below the method reporting limit
U - Analyte not detected
UJ - Estimated nondetection reported below the method reporting limit

Table 6-1. Summary of Investigation-Derived Waste Characterization

Drum ID/ Sample Location	Contents	Analytical Data Summary
SB01 (total depth to 6 ft); SB02 (0–6 ft only)	Dry soil drilling cuttings, greater than 50 percent caliche	Only arsenic in surface samples in each soil boring exceeded the NMED SSL of 3.9 mg/kg, but the average concentration of arsenic for all samples within drum is 3.55 mg/kg, which is less than the SSL. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB02 (total depth, 6–25 ft)	Dry soil drilling cuttings, greater than 50 percent caliche	No detected analytes have concentrations that exceed NMED residential SSLs. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB03 (total depth, 0–25 ft)	Dry soil drilling cuttings, greater than 50 percent caliche	No detected analytes have concentrations that exceed NMED residential SSLs. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB04 (total depth, 0–12 ft)	Dry soil drilling cuttings, 25–50 percent caliche	No detected analytes have concentrations that exceed NMED residential SSLs. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB05 (total depth, 0–25 ft)	Dry soil drilling cuttings, 25–50 percent caliche	Only benzo[a]pyrene in one sample exceeded the NMED SSL, but the average concentration of arsenic for all samples within drum is 0.0036 mg/kg, which is less than the SSL of 0.148 mg/kg. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
Decontamination water	Potable water used to steam clean/power wash drilling equipment	Analytical results for soil and associated drums of soil cuttings indicate no exceedances of NMED SSLs. Due to the low solubility of metals and organic compounds and understanding that soil cuttings are not a RCRA hazardous waste, it is unlikely that decontamination water is RCRA hazardous waste or levels of metals exceed New Mexico Water Quality Control Commission standards.

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Appendix A
Field Documentation

Appendix B
Analytical Data and Data Validation

Appendix C
Analytical Laboratory Data Reports

Appendix D
Investigation-Derived Waste Evaluation

DRILLING AND LITHOLOGIC LOG	CLIENT/INSTALLATION AFCEC, Cannon AFB	LOCATION ID SB01
1. CONTRACTOR Tetra Tech, Inc.	2. DRILLING SUBCONTRACTOR Geomechanics Southwest, Inc.	SHEET 1 OF 2

3. SITE Cannon AFB, NM	4. SITE SWMU 73, Golf Course Drainage and Pond (SD022)
5. NAME OF DRILLER Greg Gallegos	6. MANUFACTURERS DESIGNATION OF DRILL CME 75 HSA
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 3 ¼" x 6 5/8" HSA 2 ½" x 5' long split barrel sampler and 2" x 2' split spoon sampler	8. LOCATION DESCRIPTION North and adjacent to drainage closest to DL Ingram Blvd. 9. SURFACE ELEVATION 4307.0 10. DATE STARTED 6/6/13 11. DATE COMPLETED 6/6/13
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED N/A
13. DEPTH DRILLED INTO ROCK N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED N/A
14. TOTAL DEPTH OF HOLE 6 ft. bgs	17. OTHER WATER LEVEL MEASURMENTS (SPECIFY) N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES:
None	N/A	N/A	N/A

20. NUMBER OF SAMPLES FOR CHEMICAL ANALYSIS	ANALYSES:	21. TOTAL CORE REC. %
3 (incl. MS)	VOCs, SVOCS, PAHs, Pesticides, PCBs, Explosives, TAL Metals, TPH-GRO, TPH-DRO, Glycols, Anions	N/A

22. DISPOSITION OF HOLE	BACKFILLED/ GROUTED	MONITORING WELL	OTHERS (SPECIFY)	23. NAME AND SIGNATURE OF INSPECTOR
Abandoned at 6 ft bgs due to auger refusal and backfilled with hydrated bentonite chips	X			Jon Coen, PG

LOCATION SKETCH/COMMENTS

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB01
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 2 OF 2

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	0				
	1	PID - 0.0 ppm	ML	(0-4' 2") Dark brown silt w/ sand , little clay, low plasticity, soft, slightly damp, rootlets presents. (0-6" of core). Remaining core (6" to14 ") same as above w/ chunks of caliche, asphalt (1/2") throughout the matrix, soft, non-plastic, dry (Exact depth of core unknown)	33% Core recovery 0-4' 2"
	2				
	3				
	4			Caliche	Auger refusal at 4' 2" to 4' 6"
	5		ML	(4' 6"-6') Reddish brown calcareous silt w/ sand, soft to med. consistency, non-plasticity, non-cohesive, friable/blocky in places, small fragments of caliche throughout core, dry. Core gradually becomes light brown in lower 1-ft of core.	96% 2-foot split spoon core recovery 4' 6"-6' Auger refusal – borehole abandoned
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				

DRILLING AND LITHOLOGIC LOG	CLIENT/INSTALLATION AFCEC, Cannon AFB	LOCATION ID SB-02
1. CONTRACTOR Tetra Tech, Inc.	2. DRILLING SUBCONTRACTOR Geomechanics Southwest, Inc.	SHEET 1 OF 3

3. SITE Cannon AFB, NM	4. SITE SWMU 73, Golf Course Drainage and Pond (SD022)
5. NAME OF DRILLER Greg Gallegos	6. MANUFACTURERS DESIGNATION OF DRILL CME 75 HSA
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 3 ¼" x 6 5/8" HSA 2 ½" x 5' long split barrel sampler and 2" x 2' split spoon sampler	8. LOCATION DESCRIPTION Downgradient from SB01 on north side of drainage 9. SURFACE ELEVATION 4305.4 10. DATE STARTED 6/6/13 11. DATE COMPLETED 6/6/13
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED N/A
13. DEPTH DRILLED INTO ROCK N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED N/A
14. TOTAL DEPTH OF HOLE 25 ft. bgs	17. OTHER WATER LEVEL MEASURMENTS (SPECIFY) N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES:
None	N/A	N/A	N/A

20. NUMBER OF SAMPLES FOR CHEMICAL ANALYSIS	ANALYSES:	21. TOTAL CORE REC. %
6 (incl. RB)	VOCs, SVOCS, PAHs, Pesticides, PCBs, Explosives, TAL Metals, TPH-GRO, TPH-DRO, Glycols, Anions	N/A

22. DISPOSITION OF HOLE	BACKFILLED/ GROUTED	MONITORING WELL	OTHERS (SPECIFY)	23. NAME AND SIGNATURE OF INSPECTOR
Drilled to 25 ft. and backfilled with hydrated bentonite chips	X			Jon Coen, PG

LOCATION SKETCH/COMMENTS

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-02
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 2 OF 3

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	0		CL-ML	(0-19") Dark brown lean clay w/ fine sand and calcareous silt, medium plasticity, rootlets, damp,	100% Core recovery 0-5'
	1				
	2		ML	(19"-60") Brown calcareous silt w/ sand, little clay, well cemented, stiff, friable/blocky, mottled with caliche nodule/fragments (1/8"-1/4"), dry, occasional roots, non-plastic	
	3				
	4				
	5		ML	(5'-7') Brown calcareous silt w/ sand and less clay, well cemented, very stiff, friable/blocky, mottled with caliche fragments, dry, non-plastic	80% Core recovery 5'-10', encountered caliche layer at from 7' to 8'
	6				
	7		ML	(7'-10') Caliche layer from 7'-8'. From 8' to 10', Brown calcareous silt w/ sand , well cemented, very stiff, friable/blocky, mottled with caliche fragments, dry, non-plastic	Auger refusal at 7' bgs. 2-ft. split spoon penetrates caliche layer. 2-ft. core collected below caliche, from 8' to 10'
	8				
	9				
	10		ML	(10'-11' 6") Tan/light reddish brown calcareous silt w/ fine sand, non-cohesive, friable, mod. cemented, dry	50% Core recovery 10'-15'. Limited recovery due to caliche and well cemented calcareous silt
	11				
	12		SM	(11' 6"-13') Brown silty sand, soft, poorly graded, non-plastic, non-cohesive, dry	
	13		ML	(13'-15') Tan/light reddish brown calcareous silt w/ fine sand, non-cohesive, friable, mod. cemented, dry	
	14				
	15		ML	(15'-18' 6'') tan/light brown silt w/ sand, calcareous lenses and caliche fragments throughout matrix, mod. cemented, stiff, non-plastic, friable/blocky, dry	80% Core recovery 15'-20'
	16				
	17				
	18		ML	(18.6'-20') Abrupt color change to reddish brown sandy silt w/ calcareous lenses throughout matrix, very well cemented, friable/blocky	
	19				

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-02
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 3 OF 3

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	20		ML	(20'-25') Reddish sandy silt w/ calcareous lenses/ caliche fragments decreasing with depth, very well cemented, very stiff, friable, mottled, dry.	100% Core recovery 20'-25'
	21				
	22				
	23				
	24				
	25				

DRILLING AND LITHOLOGIC LOG	CLIENT/INSTALLATION AFCEC, Cannon AFB	LOCATION ID SB-03
1. CONTRACTOR Tetra Tech, Inc.	2. DRILLING SUBCONTRACTOR Geomechanics Southwest, Inc.	SHEET 1 OF 3

3. SITE Cannon AFB, NM	4. SITE SWMU 73, Golf Course Drainage and Pond (SD022)
5. NAME OF DRILLER Greg Gallegos	6. MANUFACTURERS DESIGNATION OF DRILL CME 75 HSA
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 3 ¼" x 6 5/8" HSA 2 ½" x 5' long split barrel sampler	8. LOCATION DESCRIPTION Downgradient from SB02 on south side of drainage: near pipe as drainage goes underground. 9. SURFACE ELEVATION 4304.8 10. DATE STARTED 6/5/13 11. DATE COMPLETED 6/5/13
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED N/A
13. DEPTH DRILLED INTO ROCK N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED N/A
14. TOTAL DEPTH OF HOLE 25' 6" bgs	17. OTHER WATER LEVEL MEASURMENTS (SPECIFY) N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES:
None	N/A	N/A	N/A

20. NUMBER OF SAMPLES FOR CHEMICAL ANALYSIS	ANALYSES:	21. TOTAL CORE REC. %
6 (incl. MS)	VOCs, SVOCS, PAHs, Pesticides, PCBs, Explosives, TAL Metals, TPH-GRO, TPH-DRO, Glycols, Anions	N/A

22. DISPOSITION OF HOLE	BACKFILLED/ GROUTED	MONITORING WELL	OTHERS (SPECIFY)	23. NAME AND SIGNATURE OF INSPECTOR
Drilled to 25 ft 6 in bgs and backfilled with hydrated bentonite chips.	X			Jon Coen, PG

LOCATION SKETCH/COMMENTS

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-03
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 2 OF 3

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	0				
	1		ML-CL	(0-5') Brown sandy silt , little clay, in top 0-15" of core, low plasticity, soft-medium consistency, dry. Dark brown lean clay w/ fine sand from 15"-23" of core, w/ caliche fragments (1 1/2") throughout the matrix, low plasticity, stiff, dry (Exact depth of core is unknown)	38% Core recovery 0-5'
	2				
	3				
	4				
	5		CL	(5'-5'4") Dark brown lean clay w/ fine sand , w/ caliche fragments throughout the matrix, low plasticity, stiff, dry	56% Core recovery 5'-10'
	6				
	7		ML	(5'4" -9') Light brown silt w/ sand and calcareous silt lenses throughout matrix, soft, non-cohesive, non-plastic, poorly graded, dry (Exact depth of core is unknown)	
	8				
	9		ML-CL	(9'-10') Light brown silt w/ sand, interbedded lean clay w/sand, medium consistency, friable/blocky, low plasticity, dry	
	10		ML	(10'-15') Tan/reddish silt w/ sand, pockets of little coarse sands, and caliche fragments present throughout the matrix, well cemented/blocky, low plasticity, medium stiff , dry (Exact depth of core is unknown)	33% Core recovery 10'-15'
	11				
	12				
	13				
	14				
	15		ML	(15'-17') Tan/light brown calcareous silt w/sand from 0-21" of core , soft, non-plastic, low cohesive, dry (Exact depth of core is unknown)	46% Core recovery 15'-20'
	16				
	17		ML-CL	(17'-20') Tan/light brown calcareous silt, w/ interbedded lean clay and sand lenses, non-plastic, blocky, medium consistency, dry	
	18				
	19				

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-03
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 3 OF 3

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	20			Caliche present from 20' to 24'	0% Core recovery 20'-24'
	21				
	22				
	23				
	24		ML	(24'-25' 1") Reddish brown silt w/ sand, and calcareous silt mixed in matrix. Small caliche fragments increasing with depth, non-plastic, soft to medium consistency, dry	A 2-foot split spoon was used to collect 24' to 25' 6" core. - 100% Core recovery
	25		ML	(25' 1"-25' 6") Same as above;, large chunks of caliche in core, v. stiff, blocky, mod. to well cemented, dry	

DRILLING AND LITHOLOGIC LOG	CLIENT/INSTALLATION AFCEC, Cannon AFB	LOCATION ID SB-04
1. CONTRACTOR Tetra Tech, Inc.	2. DRILLING SUBCONTRACTOR Geomechanics Southwest, Inc.	SHEET 1 OF 2

3. SITE Cannon AFB, NM	4. SITE SWMU 73, Golf Course Drainage and Pond (SD022)
5. NAME OF DRILLER Greg Gallegos	6. MANUFACTURERS DESIGNATION OF DRILL CME 75 HSA
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 3 ¼" x 6 5/8" HSA 2 ½" x 5' long split barrel sampler	8. LOCATION DESCRIPTION SE edge of pond as drainage exits into golf course pond on north side 9. SURFACE ELEVATION 4303.1 10. DATE STARTED 6/5/13 11. DATE COMPLETED 6/5/13
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED N/A
13. DEPTH DRILLED INTO ROCK N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED N/A
14. TOTAL DEPTH OF HOLE 19 ft. bgs	17. OTHER WATER LEVEL MEASURMENTS (SPECIFY) N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES:
None	N/A	N/A	N/A

20. NUMBER OF SAMPLES FOR CHEMICAL ANALYSIS	ANALYSES:	21. TOTAL CORE REC. %
5 (incl. Dup & RB)	VOCs, SVOCS, PAHs, Pesticides, PCBs, Explosives, TAL Metals, TPH-GRO, TPH-DRO, Glycols, Anions	N/A

22. DISPOSITION OF HOLE	BACKFILLED/ GROUTED	MONITORING WELL	OTHERS (SPECIFY)	23. NAME AND SIGNATURE OF INSPECTOR
Abandoned boring at 19 ft bgs due to auger refusal and backfilled with hydrated bentonite chips	X			Jon Coen, PG

LOCATION SKETCH/COMMENTS

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-04
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 2 OF 2

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	0				
	1	PID - 0.0 ppm	ML-SM	(0-5') Dark brown silt w/ sand , little clay, and calcareous fragments in matrix, low plasticity, medium stiff , friable, dry. Interbedded silty sand in lower 6" of core, medium density, non-plastic, dry (Exact core location unknown)	36% Core recovery 0-5'
	2				
	3				
	4				
	5		CL	(5'-10') Reddish brown lean clay w/ fine sand, w/ caliche fragments (1/4") throughout the matrix, low plasticity, medium stiff , mottled looking in places, dry	100% Core recovery 5'-10'
	6				
	7				
	8				
	9				
	10		CL	(10'-13') Reddish brown lean clay w/ fine sand, w/ caliche fragments (1/4") throughout the matrix, low plasticity, medium stiff , mottled , dry	90% Core recovery 10'-15'
	11				
	12		CL	(13'-15') Gradually transitions to a reddish brown sandy lean clay, w/ an increase in caliche fragments, especially in bottom 8 inches , low plasticity, medium stiff , mottled , dry	
	13				
	14				
	15		CL	(15'-18') Reddish brown sandy lean clay, mostly calcareous (caliche) from 17' to 18', low plasticity, medium stiff to stiff , mottled , blocky, dry	90% Core recovery 15'-18'. Auger refusal @ 18' due to caliche. Drilled to 19' w/o core barrel and got refusal.
	16				
	17				
	18				
	19				

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-04
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 3 OF 3

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	20				
	21				
	22				
	23				
	24				
	25				

DRILLING AND LITHOLOGIC LOG	CLIENT/INSTALLATION AFCEC, Cannon AFB	LOCATION ID SB-05
1. CONTRACTOR Tetra Tech, Inc.	2. DRILLING SUBCONTRACTOR Geomechanics Southwest, Inc.	SHEET 1 OF 3

3. SITE Cannon AFB, NM	4. SITE SWMU 73, Golf Course Drainage and Pond (SD022)
5. NAME OF DRILLER Greg Gallegos	6. MANUFACTURERS DESIGNATION OF DRILL CME 75 HSA
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 3 ¼" x 6 5/8" HSA 2 ½" x 5' long split barrel sampler	8. LOCATION DESCRIPTION West end of golf course pond near shore 9. SURFACE ELEVATION 4302.8 10. DATE STARTED 6/5/13 11. DATE COMPLETED 6/5/13
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED N/A
13. DEPTH DRILLED INTO ROCK N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED N/A
14. TOTAL DEPTH OF HOLE 25 ft. bgs	17. OTHER WATER LEVEL MEASURMENTS (SPECIFY) N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES:
None	N/A	N/A	N/A

20. NUMBER OF SAMPLES FOR CHEMICAL ANALYSIS	ANALYSES:	21. TOTAL CORE REC. %
6 (incl. Dup)	VOCs, SVOCS, PAHs, Pesticides, PCBs, Explosives, TAL Metals, TPH-GRO, TPH-DRO, Glycols, Anions	N/A

22. DISPOSITION OF HOLE	BACKFILLED/ GROUTED	MONITORING WELL	OTHERS (SPECIFY)	23. NAME AND SIGNATURE OF INSPECTOR
Drilled to 25 ft bgs and backfilled with hydrated bentonite chips	X			Jon Coen, PG

LOCATION SKETCH/COMMENTS

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-05
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 2 OF 3

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	0				
	1		CL	(0-4') Dark brown lean clay w/ very fine to fine sand, mod-high plasticity, rootlets, dry, med. consistency	100% Core recovery 0-5'
	2				
	3				
	4		CL-SC	(4'-5') Dark brown lean clay w/ fine sand and interbedded clayey sands, low plasticity, dry	
	5		CL-ML	(5'-10') Dark brown lean clay w/ fine sand gradually transitioning to a tan/reddish mottled calcareous silt w/ sand, low plasticity, medium stiff to stiff, dry	100% Core recovery 5'-10'
	6				
	7				
	8				
	9				
	10		ML	(10'-10'6") tan/reddish mottled calcareous silt w/ sand, low plasticity, medium stiff to stiff, dry	50% Core recovery 10'-15'
	11		SM	(10'6"-13') tan/light brown silty sand, poorly graded, non-plastic, soft, with little coarse sand	
	12				
	13		ML	(est.13'-15') light brown sandy silt w/ calcareous lenses/nodules throughout matrix, medium stiff, mod cemented, dry	
	14				
	15		ML-SM	(15'-17') reddish brown sandy silt w/ lenses of light brown silty sand, medium stiff, non-plastic, mod cemented, dry	80% Core recovery 15'-20'
	16				
	17		SM	(17'-18.6') reddish brown silty sand, poorly graded, soft, non-plastic, unconsolidated, dry.	
	18		ML	(18.6'-20') sharp contact w/ reddish brown sandy silt w/ calcareous lenses/nodules throughout matrix, mod. cemented, friable, mottled, uniform reddish color w/ depth	
	19				

PROJECT AND CONTRACT NO.	INSTALLATION	LOCATION ID
CZQZ118900, FA8903-08-D-8781-0154	Cannon AFB, NM	SB-05
DRILLING AND LITHOLOGIC LOG	CLIENT AFCEC	SITE SWMU 73 (SD022)
1. PROJECT # Tetra Tech Project 106-85760154	2. INSPECTOR Jon Coen	SHEET 3 OF 3

ELEV.	DEPTH (feet)	FIELD SCREEN RESULTS	USCS CLASS.	MATERIAL DESCRIPTION	COMMENTS
	20				
	21		ML	(20'-25') Reddish sandy silt w/ calcareous lenses/ caliche nodules increasing with depth, mod. cemented, friable, mottled, dry	100% Core recovery 20'-25'
	22				
	23				
	24				
	25				

Photograph 1. Drilling at SB01 using CME75 hollow-stem auger drill rig.

Photograph 2. Soil core from SB02. Silty sand with lenses of calcium carbonate (caliche)

Photograph 3. Core from SB02 preparing to be sampled using TerraCore® sampler.

Photograph 4. Core from SB02 being sampled for VOCs using TerraCore® sampler.

Photograph 5. Extruding soil slug from the TerraCore® sampler into 40-ml vial.

Photograph 6. Drilling at SB03 using CME75 hollow-stem auger drill rig.

Photograph 7. Soil cuttings and decontamination water stored at Building 201.

Photograph 8. Labeled drums of soil cutting in Building 201.

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0100	N	06-Jun-13	SO	BNASIM	1-METHYLNAPHTHALENE	22000	NG/KG	52000	
					2-METHYLNAPHTHALENE	26000	NG/KG	52000	
					ACENAPHTHENE	7000	NG/KG	52000	
					ACENAPHTHYLENE	6000	NG/KG	52000	
					ANTHRACENE	9200	NG/KG	52000	
					BENZO(a)ANTHRACENE	30000	NG/KG	52000	
					BENZO(a)PYRENE	37000	NG/KG	52000	
					BENZO(b)FLUORANTHENE	57000	NG/KG	52000	
					BENZO(g,h,i)PERYLENE	64000	NG/KG	52000	
					BENZO(k)FLUORANTHENE	19000	NG/KG	52000	
					CHRYSENE	47000	NG/KG	52000	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	52000	
					FLUORANTHENE	70000	NG/KG	52000	
					FLUORENE	0	NG/KG	52000	
					INDENO(1,2,3-c,d)PYRENE	35000	NG/KG	52000	
					NAPHTHALENE	0	NG/KG	52000	
					PHENANTHRENE	46000	NG/KG	52000	
					PYRENE	64000	NG/KG	52000	
				D2216	MOISTURE, PERCENT	8.9	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	110	MG/KG	4.2	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0.54	MG/KG	1.8	
				SW6010C	ALUMINUM	13000	MG/KG	48	
					CALCIUM	40000	MG/KG	95	
					IRON	10000	MG/KG	19	
					MAGNESIUM	2600	MG/KG	19	
					POTASSIUM	2600	MG/KG	290	
					SODIUM	0	MG/KG	480	
				SW6020A	ANTIMONY	190	UG/KG	200	J
					ARSENIC	4500	UG/KG	500	
					BARIUM	200000	UG/KG	250	
					BERYLLIUM	560	UG/KG	100	J
					CADMIUM	970	UG/KG	100	
					CHROMIUM, TOTAL	11000	UG/KG	200	
					COBALT	3400	UG/KG	100	
					COPPER	12000	UG/KG	2500	
					LEAD	44000	UG/KG	100	
					MANGANESE	200000	UG/KG	100	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0100	N	06-Jun-13	SO	SW6020A	NICKEL	10000	UG/KG	350	
					SELENIUM	970	UG/KG	500	
					SILVER	67	UG/KG	100	
					THALLIUM	330	UG/KG	100	
					VANADIUM	18000	UG/KG	500	
					ZINC	52000	UG/KG	2500	
				SW7471	MERCURY	26	UG/KG	21	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	190	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	190	
					ALPHA ENDOSULFAN	0	UG/KG	190	
					ALPHA-CHLORDANE	0	UG/KG	190	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	190	
					BETA ENDOSULFAN	0	UG/KG	190	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	190	
					DIELDRIN	0	UG/KG	190	
					ENDOSULFAN SULFATE	0	UG/KG	190	
					ENDRIN	0	UG/KG	190	
					ENDRIN ALDEHYDE	0	UG/KG	190	
					ENDRIN KETONE	0	UG/KG	190	
					GAMMA BHC (LINDANE)	0	UG/KG	190	
					GAMMA-CHLORDANE	0	UG/KG	190	
					HEPTACHLOR	0	UG/KG	190	
					HEPTACHLOR EPOXIDE	0	UG/KG	190	
					METHOXYCHLOR	0	UG/KG	720	
					p,p'-DDD	220	UG/KG	370	
					p,p'-DDE	1700	UG/KG	190	
					p,p'-DDT	3600	UG/KG	440	
					TOXAPHENE	0	UG/KG	19000	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	36	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	36	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	36	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	36	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	36	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	36	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0100	N	06-Jun-13	SO	SW8082A	PCB-1260 (AROCHLOR 1260)	0	UG/KG	36	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	390	
					1,1,1-TRICHLOROETHANE	0	UG/KG	390	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	390	
					1,1,2-TRICHLOROETHANE	0	UG/KG	390	
					1,1-DICHLOROETHANE	0	UG/KG	390	
					1,1-DICHLOROETHENE	0	UG/KG	390	
					1,1-DICHLOROPROPENE	0	UG/KG	390	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	390	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	390	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	390	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	390	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	770	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	390	
					1,2-DICHLOROBENZENE	0	UG/KG	770	
					1,2-DICHLOROETHANE	0	UG/KG	390	
					1,2-DICHLOROPROPANE	0	UG/KG	390	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	390	
					1,3-DICHLOROBENZENE	0	UG/KG	390	
					1,3-DICHLOROPROPANE	0	UG/KG	390	
					1,4-DICHLOROBENZENE	0	UG/KG	390	
					2,2-DICHLOROPROPANE	0	UG/KG	390	
					2-CHLOROTOLUENE	0	UG/KG	390	
					2-HEXANONE	0	UG/KG	1500	
					4-CHLOROTOLUENE	0	UG/KG	390	
					ACETONE	0	UG/KG	2300	
					BENZENE	0	UG/KG	390	
					BROMOBENZENE	0	UG/KG	390	
					BROMOCHLOROMETHANE	0	UG/KG	390	
					BROMODICHLOROMETHANE	0	UG/KG	390	
					BROMOFORM	0	UG/KG	390	
					BROMOMETHANE	0	UG/KG	770	
					CARBON DISULFIDE	0	UG/KG	390	
					CARBON TETRACHLORIDE	0	UG/KG	390	
					CHLOROBENZENE	0	UG/KG	390	
					CHLOROETHANE	0	UG/KG	770	
					CHLOROFORM	0	UG/KG	390	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0100	N	06-Jun-13	SO	SW8260B	CHLOROMETHANE	0	UG/KG	770	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	190	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	390	
					DIBROMOCHLOROMETHANE	0	UG/KG	390	
					DIBROMOMETHANE	0	UG/KG	390	
					DICHLORODIFLUOROMETHANE	0	UG/KG	770	
					ETHYLBENZENE	0	UG/KG	390	
					HEXACHLOROBUTADIENE	0	UG/KG	390	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	390	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	390	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	1500	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	1500	
					METHYLENE CHLORIDE	0	UG/KG	390	
					NAPHTHALENE	0	UG/KG	770	
					n-BUTYLBENZENE	0	UG/KG	390	
					n-PROPYLBENZENE	0	UG/KG	390	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	190	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	390	
					SEC-BUTYLBENZENE	0	UG/KG	390	
					STYRENE	0	UG/KG	390	
					t-BUTYLBENZENE	0	UG/KG	390	
					tert-BUTYL METHYL ETHER	0	UG/KG	390	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	390	
					TOLUENE	0	UG/KG	390	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	190	
					trans-1,2-DICHLOROETHENE	0	UG/KG	390	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	390	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	390	
					TRICHLOROFLUOROMETHANE	0	UG/KG	770	
					VINYL CHLORIDE	0	UG/KG	770	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	1800	
					1,2-DICHLOROBENZENE	0	UG/KG	1800	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	1800	
					1,3-DICHLOROBENZENE	0	UG/KG	1800	
					1,4-DICHLOROBENZENE	0	UG/KG	1800	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	1800	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	1800	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0100	N	06-Jun-13	SO	SW8270D	2,4,6-TRICHLOROPHENOL	0	UG/KG	1800	
					2,4-DICHLOROPHENOL	0	UG/KG	1800	
					2,4-DIMETHYLPHENOL	0	UG/KG	1800	
					2,4-DINITROPHENOL	0	UG/KG	8800	
					2,4-DINITROTOLUENE	0	UG/KG	1800	
					2,6-DICHLOROPHENOL	0	UG/KG	1800	
					2,6-DINITROTOLUENE	0	UG/KG	1800	
					2-CHLORONAPHTHALENE	0	UG/KG	1800	
					2-CHLOROPHENOL	0	UG/KG	1800	
					2-METHYLNAPHTHALENE	0	UG/KG	1800	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	1800	
					2-NITROANILINE	0	UG/KG	8800	
					2-NITROPHENOL	0	UG/KG	1800	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	8800	
					3-NITROANILINE	0	UG/KG	8800	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	8800	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	1800	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	1800	
					4-CHLOROANILINE	0	UG/KG	1800	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	1800	
					4-NITROANILINE	0	UG/KG	8800	
					4-NITROPHENOL	0	UG/KG	8800	
					ACENAPHTHENE	0	UG/KG	1800	
					ACENAPHTHYLENE	0	UG/KG	1800	
					ANTHRACENE	0	UG/KG	1800	
					BENZIDINE	0	UG/KG	22000	
					BENZO(a)ANTHRACENE	0	UG/KG	1800	
					BENZO(a)PYRENE	0	UG/KG	1800	
					BENZO(b)FLUORANTHENE	0	UG/KG	1800	
					BENZO(g,h,i)PERYLENE	99	UG/KG	1800	
					BENZO(k)FLUORANTHENE	0	UG/KG	1800	
					BENZOIC ACID	0	UG/KG	8800	
					BENZYL ALCOHOL	0	UG/KG	1800	
					BENZYL BUTYL PHTHALATE	0	UG/KG	1800	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	1800	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	1800	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	1800	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0100	N	06-Jun-13	SO	SW8270D	CARBAZOLE	0	UG/KG	1800	
					CHRYSENE	0	UG/KG	1800	
					CRESOLS, m & p	0	UG/KG	1800	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	1800	
					DIBENZOFURAN	0	UG/KG	1800	
					DIETHYL PHTHALATE	0	UG/KG	3600	
					DIMETHYL PHTHALATE	0	UG/KG	1800	
					DI-n-BUTYL PHTHALATE	0	UG/KG	1800	
					DI-n-OCTYLPHTHALATE	0	UG/KG	1800	
					FLUORANTHENE	0	UG/KG	1800	
					FLUORENE	0	UG/KG	1800	
					HEXACHLOROBENZENE	0	UG/KG	1800	
					HEXACHLOROBUTADIENE	0	UG/KG	1800	
					HEXACHLOROETHANE	0	UG/KG	1800	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	1800	
					ISOPHORONE	0	UG/KG	1800	
					NAPHTHALENE	0	UG/KG	1800	
					NITROBENZENE	0	UG/KG	1800	
					N-NITROSODIMETHYLAMINE	0	UG/KG	2900	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	1800	
					N-NITROSODIPHENYLAMINE	0	UG/KG	1800	
					N-NITROSOPYRROLIDINE	0	UG/KG	1800	
					PENTACHLOROPHENOL	0	UG/KG	8800	
					PHENANTHRENE	0	UG/KG	1800	
					PHENOL	0	UG/KG	1800	
					PYRENE	120	UG/KG	2200	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.091	
					1,3-DINITROBENZENE	0	MG/KG	0.091	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.091	
					2,4-DINITROTOLUENE	0	MG/KG	0.091	
					2,6-DINITROTOLUENE	0	MG/KG	0.091	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.091	
					2-NITROTOLUENE	0	MG/KG	0.18	
					3-NITROTOLUENE	0	MG/KG	0.18	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.091	
					4-NITROTOLUENE	0	MG/KG	0.18	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.18	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0100	N	06-Jun-13	SO	SW8330	NITROBENZENE	0	MG/KG	0.27	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.091	
					TETRYL	0	MG/KG	0.18	
				SW9056A	CHLORIDE (AS CL)	19	MG/KG	33	
					NITROGEN, NITRATE (AS N)	11	MG/KG	5.4	
					NITROGEN, NITRITE	0	MG/KG	5.4	
					SULFATE (AS SO4)	17	MG/KG	54	J
SWMU73SB0105				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5100	
					2-METHYLNAPHTHALENE	0	NG/KG	5100	
					ACENAPHTHENE	0	NG/KG	5100	
					ACENAPHTHYLENE	0	NG/KG	5100	
					ANTHRACENE	0	NG/KG	5100	
					BENZO(a)ANTHRACENE	0	NG/KG	5100	
					BENZO(a)PYRENE	0	NG/KG	5100	
					BENZO(b)FLUORANTHENE	0	NG/KG	5100	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5100	
					BENZO(k)FLUORANTHENE	0	NG/KG	5100	
					CHRYSENE	0	NG/KG	5100	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5100	
					FLUORANTHENE	0	NG/KG	5100	
					FLUORENE	0	NG/KG	5100	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5100	
					NAPHTHALENE	0	NG/KG	5100	
					PHENANTHRENE	0	NG/KG	5100	
					PYRENE	0	NG/KG	5100	
				D2216	MOISTURE, PERCENT	5.7	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	3.9	MG/KG	4.2	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.8	
				SW6010C	ALUMINUM	13000	MG/KG	52	
					CALCIUM	110000	MG/KG	100	
					IRON	9500	MG/KG	21	
					MAGNESIUM	2900	MG/KG	21	
					POTASSIUM	2200	MG/KG	310	
					SODIUM	0	MG/KG	520	
				SW6020A	ANTIMONY	0	UG/KG	200	
					ARSENIC	2400	UG/KG	490	
					BARIUM	150000	UG/KG	250	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0105	N	06-Jun-13	SO	SW6020A	BERYLLIUM	590	UG/KG	98	J
					CADMIUM	320	UG/KG	98	
					CHROMIUM, TOTAL	11000	UG/KG	200	
					COBALT	4100	UG/KG	98	
					COPPER	7000	UG/KG	2500	
					LEAD	7100	UG/KG	98	
					MANGANESE	220000	UG/KG	98	
					NICKEL	10000	UG/KG	340	
					SELENIUM	990	UG/KG	490	
					SILVER	38	UG/KG	98	
					THALLIUM	190	UG/KG	98	
					VANADIUM	18000	UG/KG	490	
					ZINC	27000	UG/KG	2500	
				SW7471	MERCURY	7.1	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	10	
					ETHYLENE GLYCOL	0	MG/KG	10	
					PROPYLENE GLYCOL	0	MG/KG	10	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.4	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	2.2	UG/KG	1.8	
					p,p'-DDT	3.1	UG/KG	2.1	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0105	N	06-Jun-13	SO	SW8081A	TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	34	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	34	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	34	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	34	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	34	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	34	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	34	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	360	
					1,1,1-TRICHLOROETHANE	0	UG/KG	360	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	360	
					1,1,2-TRICHLOROETHANE	0	UG/KG	360	
					1,1-DICHLOROETHANE	0	UG/KG	360	
					1,1-DICHLOROETHENE	0	UG/KG	360	
					1,1-DICHLOROPROPENE	0	UG/KG	360	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	360	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	360	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	360	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	360	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	730	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	360	
					1,2-DICHLOROBENZENE	0	UG/KG	730	
					1,2-DICHLOROETHANE	0	UG/KG	360	
					1,2-DICHLOROPROPANE	0	UG/KG	360	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	360	
					1,3-DICHLOROBENZENE	0	UG/KG	360	
					1,3-DICHLOROPROPANE	0	UG/KG	360	
					1,4-DICHLOROBENZENE	0	UG/KG	360	
					2,2-DICHLOROPROPANE	0	UG/KG	360	
					2-CHLOROTOLUENE	0	UG/KG	360	
					2-HEXANONE	0	UG/KG	1500	
					4-CHLOROTOLUENE	0	UG/KG	360	
					ACETONE	0	UG/KG	2200	
					BENZENE	0	UG/KG	360	
					BROMOBENZENE	0	UG/KG	360	
					BROMOCHLOROMETHANE	0	UG/KG	360	
					BROMODICHLOROMETHANE	0	UG/KG	360	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0105	N	06-Jun-13	SO	SW8260B	BROMOFORM	0	UG/KG	360	
					BROMOMETHANE	0	UG/KG	730	
					CARBON DISULFIDE	0	UG/KG	360	
					CARBON TETRACHLORIDE	0	UG/KG	360	
					CHLOROBENZENE	0	UG/KG	360	
					CHLOROETHANE	0	UG/KG	730	
					CHLOROFORM	0	UG/KG	360	
					CHLOROMETHANE	0	UG/KG	730	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	180	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	360	
					DIBROMOCHLOROMETHANE	0	UG/KG	360	
					DIBROMOMETHANE	0	UG/KG	360	
					DICHLORODIFLUOROMETHANE	0	UG/KG	730	
					ETHYLBENZENE	0	UG/KG	360	
					HEXACHLOROBUTADIENE	0	UG/KG	360	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	360	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	360	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	1500	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	1500	
					METHYLENE CHLORIDE	0	UG/KG	360	
					NAPHTHALENE	0	UG/KG	730	
					n-BUTYLBENZENE	0	UG/KG	360	
					n-PROPYLBENZENE	0	UG/KG	360	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	180	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	360	
					SEC-BUTYLBENZENE	0	UG/KG	360	
					STYRENE	0	UG/KG	360	
					t-BUTYLBENZENE	0	UG/KG	360	
					tert-BUTYL METHYL ETHER	0	UG/KG	360	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	360	
					TOLUENE	0	UG/KG	360	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	180	
					trans-1,2-DICHLOROETHENE	0	UG/KG	360	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	360	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	360	
					TRICHLOROFLUOROMETHANE	0	UG/KG	730	
					VINYL CHLORIDE	0	UG/KG	730	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0105	N	06-Jun-13	SO	SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	340	
					1,2-DICHLOROBENZENE	0	UG/KG	340	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	340	
					1,3-DICHLOROBENZENE	0	UG/KG	340	
					1,4-DICHLOROBENZENE	0	UG/KG	340	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	340	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	340	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	340	
					2,4-DICHLOROPHENOL	0	UG/KG	340	
					2,4-DIMETHYLPHENOL	0	UG/KG	340	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	340	
					2,6-DICHLOROPHENOL	0	UG/KG	340	
					2,6-DINITROTOLUENE	0	UG/KG	340	
					2-CHLORONAPHTHALENE	0	UG/KG	340	
					2-CHLOROPHENOL	0	UG/KG	340	
					2-METHYLNAPHTHALENE	0	UG/KG	340	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	340	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	340	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	340	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	340	
					4-CHLOROANILINE	0	UG/KG	340	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	340	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	340	
					ACENAPHTHYLENE	0	UG/KG	340	
					ANTHRACENE	0	UG/KG	340	
					BENZIDINE	0	UG/KG	4200	
					BENZO(a)ANTHRACENE	0	UG/KG	340	
					BENZO(a)PYRENE	0	UG/KG	340	
					BENZO(b)FLUORANTHENE	0	UG/KG	340	
					BENZO(g,h,i)PERYLENE	0	UG/KG	340	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0105	N	06-Jun-13	SO	SW8270D	BENZO(k)FLUORANTHENE	0	UG/KG	340	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	340	
					BENZYL BUTYL PHTHALATE	0	UG/KG	340	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	340	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	340	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	340	
					CARBAZOLE	0	UG/KG	340	
					CHRYSENE	0	UG/KG	340	
					CRESOLS, m & p	0	UG/KG	340	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	340	
					DIBENZOFURAN	0	UG/KG	340	
					DIETHYL PHTHALATE	0	UG/KG	690	
					DIMETHYL PHTHALATE	0	UG/KG	340	
					DI-n-BUTYL PHTHALATE	0	UG/KG	340	
					DI-n-OCTYLPHTHALATE	0	UG/KG	340	
					FLUORANTHENE	0	UG/KG	340	
					FLUORENE	0	UG/KG	340	
					HEXACHLOROBENZENE	0	UG/KG	340	
					HEXACHLOROBUTADIENE	0	UG/KG	340	
					HEXACHLOROETHANE	0	UG/KG	340	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	340	
					ISOPHORONE	0	UG/KG	340	
					NAPHTHALENE	0	UG/KG	340	
					NITROBENZENE	0	UG/KG	340	
					N-NITROSODIMETHYLAMINE	0	UG/KG	540	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	340	
					N-NITROSODIPHENYLAMINE	0	UG/KG	340	
					N-NITROSOPYRROLIDINE	0	UG/KG	340	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	340	
					PHENOL	0	UG/KG	340	
					PYRENE	0	UG/KG	420	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.094	
					1,3-DINITROBENZENE	0	MG/KG	0.094	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.094	
					2,4-DINITROTOLUENE	0	MG/KG	0.094	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0105	N	06-Jun-13	SO	SW8330	2,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.094	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.094	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	84	MG/KG	31	
					NITROGEN, NITRATE (AS N)	1.3	MG/KG	5.2	
					NITROGEN, NITRITE	0	MG/KG	5.2	
					SULFATE (AS SO4)	9.6	MG/KG	52	J
SWMU73SB0200				BNASIM	1-METHYLNAPHTHALENE	330	NG/KG	5600	
					2-METHYLNAPHTHALENE	380	NG/KG	5600	
					ACENAPHTHENE	440	NG/KG	5600	
					ACENAPHTHYLENE	0	NG/KG	5600	
					ANTHRACENE	0	NG/KG	5600	
					BENZO(a)ANTHRACENE	0	NG/KG	5600	
					BENZO(a)PYRENE	0	NG/KG	5600	
					BENZO(b)FLUORANTHENE	0	NG/KG	5600	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5600	
					BENZO(k)FLUORANTHENE	0	NG/KG	5600	
					CHRYSENE	0	NG/KG	5600	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5600	
					FLUORANTHENE	0	NG/KG	5600	
					FLUORENE	0	NG/KG	5600	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5600	
					NAPHTHALENE	0	NG/KG	5600	
					PHENANTHRENE	0	NG/KG	5600	
					PYRENE	0	NG/KG	5600	
				D2216	MOISTURE, PERCENT	16	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	8.3	MG/KG	4.5	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	1.2	MG/KG	1.4	
				SW6010C	ALUMINUM	20000	MG/KG	54	
					CALCIUM	3700	MG/KG	110	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0200	N	06-Jun-13	SO	SW6010C	IRON	15000	MG/KG	22	
					MAGNESIUM	3100	MG/KG	22	
					POTASSIUM	3700	MG/KG	330	
					SODIUM	0	MG/KG	540	
				SW6020A	ANTIMONY	0	UG/KG	220	
					ARSENIC	4500	UG/KG	560	
					BARIUM	140000	UG/KG	280	
					BERYLLIUM	930	UG/KG	110	J
					CADMIUM	390	UG/KG	110	
					CHROMIUM, TOTAL	17000	UG/KG	220	
					COBALT	6300	UG/KG	110	
					COPPER	12000	UG/KG	2800	
					LEAD	11000	UG/KG	110	
					MANGANESE	370000	UG/KG	110	
					NICKEL	15000	UG/KG	390	
					SELENIUM	1700	UG/KG	560	
					SILVER	65	UG/KG	110	
					THALLIUM	360	UG/KG	110	
					VANADIUM	24000	UG/KG	560	
					ZINC	44000	UG/KG	2800	
				SW7471	MERCURY	12	UG/KG	21	
				SW8015C	DIETHYLENE GLYCOL	4.2	MG/KG	12	
					ETHYLENE GLYCOL	0	MG/KG	12	
					PROPYLENE GLYCOL	0	MG/KG	12	
				SW8081A	ALDRIN	0	UG/KG	2	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2	
					ALPHA ENDOSULFAN	0	UG/KG	2	
					ALPHA-CHLORDANE	0	UG/KG	2	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2	
					BETA ENDOSULFAN	0	UG/KG	2	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2	
					DIELDRIN	0	UG/KG	2	
					ENDOSULFAN SULFATE	0	UG/KG	2	
					ENDRIN	0	UG/KG	2	
					ENDRIN ALDEHYDE	0	UG/KG	2	
					ENDRIN KETONE	0	UG/KG	2	
					GAMMA BHC (LINDANE)	0	UG/KG	2	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0200	N	06-Jun-13	SO	SW8081A	GAMMA-CHLORDANE	0	UG/KG	2	
					HEPTACHLOR	0	UG/KG	2	
					HEPTACHLOR EPOXIDE	0	UG/KG	2	
					METHOXYCHLOR	0	UG/KG	3.9	
					p,p'-DDD	0	UG/KG	2	
					p,p'-DDE	4.7	UG/KG	2	
					p,p'-DDT	1.1	UG/KG	2.4	
					TOXAPHENE	0	UG/KG	200	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	39	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	39	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	39	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	39	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	39	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	39	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	39	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	260	
					1,1,1-TRICHLOROETHANE	0	UG/KG	260	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	260	
					1,1,2-TRICHLOROETHANE	0	UG/KG	260	
					1,1-DICHLOROETHANE	0	UG/KG	260	
					1,1-DICHLOROETHENE	0	UG/KG	260	
					1,1-DICHLOROPROPENE	0	UG/KG	260	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	260	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	260	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	260	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	260	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	530	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	260	
					1,2-DICHLOROBENZENE	0	UG/KG	530	
					1,2-DICHLOROETHANE	0	UG/KG	260	
					1,2-DICHLOROPROPANE	0	UG/KG	260	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	260	
					1,3-DICHLOROBENZENE	0	UG/KG	260	
					1,3-DICHLOROPROPANE	0	UG/KG	260	
					1,4-DICHLOROBENZENE	0	UG/KG	260	
					2,2-DICHLOROPROPANE	0	UG/KG	260	
					2-CHLOROTOLUENE	0	UG/KG	260	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0200	N	06-Jun-13	SO	SW8260B	2-HEXANONE	0	UG/KG	1100	
					4-CHLOROTOLUENE	0	UG/KG	260	
					ACETONE	0	UG/KG	1600	
					BENZENE	0	UG/KG	260	
					BROMOBENZENE	0	UG/KG	260	
					BROMOCHLOROMETHANE	0	UG/KG	260	
					BROMODICHLOROMETHANE	0	UG/KG	260	
					BROMOFORM	0	UG/KG	260	
					BROMOMETHANE	0	UG/KG	530	
					CARBON DISULFIDE	0	UG/KG	260	
					CARBON TETRACHLORIDE	0	UG/KG	260	
					CHLOROBENZENE	0	UG/KG	260	
					CHLOROETHANE	0	UG/KG	530	
					CHLOROFORM	0	UG/KG	260	
					CHLOROMETHANE	0	UG/KG	530	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	130	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	260	
					DIBROMOCHLOROMETHANE	0	UG/KG	260	
					DIBROMOMETHANE	0	UG/KG	260	
					DICHLORODIFLUOROMETHANE	0	UG/KG	530	
					ETHYLBENZENE	0	UG/KG	260	
					HEXACHLOROBUTADIENE	0	UG/KG	260	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	260	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	260	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	1100	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	1100	
					METHYLENE CHLORIDE	0	UG/KG	260	
					NAPHTHALENE	0	UG/KG	530	
					n-BUTYLBENZENE	0	UG/KG	260	
					n-PROPYLBENZENE	0	UG/KG	260	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	130	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	260	
					SEC-BUTYLBENZENE	0	UG/KG	260	
					STYRENE	0	UG/KG	260	
					t-BUTYLBENZENE	0	UG/KG	260	
					tert-BUTYL METHYL ETHER	0	UG/KG	260	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	260	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0200	N	06-Jun-13	SO	SW8260B	TOLUENE	0	UG/KG	260	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	130	
					trans-1,2-DICHLOROETHENE	0	UG/KG	260	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	260	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	260	
					TRICHLOROFLUOROMETHANE	0	UG/KG	530	
					VINYL CHLORIDE	0	UG/KG	530	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	380	
					1,2-DICHLOROBENZENE	0	UG/KG	380	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	380	
					1,3-DICHLOROBENZENE	0	UG/KG	380	
					1,4-DICHLOROBENZENE	0	UG/KG	380	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	380	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	380	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	380	
					2,4-DICHLOROPHENOL	0	UG/KG	380	
					2,4-DIMETHYLPHENOL	0	UG/KG	380	
					2,4-DINITROPHENOL	0	UG/KG	1800	
					2,4-DINITROTOLUENE	0	UG/KG	380	
					2,6-DICHLOROPHENOL	0	UG/KG	380	
					2,6-DINITROTOLUENE	0	UG/KG	380	
					2-CHLORONAPHTHALENE	0	UG/KG	380	
					2-CHLOROPHENOL	0	UG/KG	380	
					2-METHYLNAPHTHALENE	0	UG/KG	380	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	380	
					2-NITROANILINE	0	UG/KG	1800	
					2-NITROPHENOL	0	UG/KG	380	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1800	
					3-NITROANILINE	0	UG/KG	1800	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1800	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	380	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	380	
					4-CHLOROANILINE	0	UG/KG	380	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	380	
					4-NITROANILINE	0	UG/KG	1800	
					4-NITROPHENOL	0	UG/KG	1800	
					ACENAPHTHENE	0	UG/KG	380	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0200	N	06-Jun-13	SO	SW8270D	ACENAPHTHYLENE	0	UG/KG	380	
					ANTHRACENE	0	UG/KG	380	
					BENZIDINE	0	UG/KG	4600	
					BENZO(a)ANTHRACENE	0	UG/KG	380	
					BENZO(a)PYRENE	0	UG/KG	380	
					BENZO(b)FLUORANTHENE	0	UG/KG	380	
					BENZO(g,h,i)PERYLENE	0	UG/KG	380	
					BENZO(k)FLUORANTHENE	0	UG/KG	380	
					BENZOIC ACID	0	UG/KG	1800	
					BENZYL ALCOHOL	0	UG/KG	380	
					BENZYL BUTYL PHTHALATE	0	UG/KG	380	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	380	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	380	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	380	
					CARBAZOLE	0	UG/KG	380	
					CHRYSENE	0	UG/KG	380	
					CRESOLS, m & p	0	UG/KG	380	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	380	
					DIBENZOFURAN	0	UG/KG	380	
					DIETHYL PHTHALATE	0	UG/KG	760	
					DIMETHYL PHTHALATE	0	UG/KG	380	
					DI-n-BUTYL PHTHALATE	0	UG/KG	380	
					DI-n-OCTYLPHTHALATE	0	UG/KG	380	
					FLUORANTHENE	0	UG/KG	380	
					FLUORENE	0	UG/KG	380	
					HEXACHLOROBENZENE	0	UG/KG	380	
					HEXACHLOROBUTADIENE	0	UG/KG	380	
					HEXACHLOROETHANE	0	UG/KG	380	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	380	
					ISOPHORONE	0	UG/KG	380	
					NAPHTHALENE	0	UG/KG	380	
					NITROBENZENE	0	UG/KG	380	
					N-NITROSODIMETHYLAMINE	0	UG/KG	600	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	380	
					N-NITROSODIPHENYLAMINE	0	UG/KG	380	
					N-NITROSOPYRROLIDINE	0	UG/KG	380	
					PENTACHLOROPHENOL	0	UG/KG	1800	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0200	N	06-Jun-13	SO	SW8270D	PHENANTHRENE	0	UG/KG	380	
					PHENOL	0	UG/KG	380	
					PYRENE	0	UG/KG	460	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.099	
					1,3-DINITROBENZENE	0	MG/KG	0.099	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.099	
					2,4-DINITROTOLUENE	0	MG/KG	0.099	
					2,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.099	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.099	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	12	MG/KG	34	
					NITROGEN, NITRATE (AS N)	0.98	MG/KG	5.6	
					NITROGEN, NITRITE	0	MG/KG	5.6	
					SULFATE (AS SO4)	16	MG/KG	56	J
SWMU73SB0205				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5000	
					2-METHYLNAPHTHALENE	0	NG/KG	5000	
					ACENAPHTHENE	0	NG/KG	5000	
					ACENAPHTHYLENE	0	NG/KG	5000	
					ANTHRACENE	0	NG/KG	5000	
					BENZO(a)ANTHRACENE	0	NG/KG	5000	
					BENZO(a)PYRENE	0	NG/KG	5000	
					BENZO(b)FLUORANTHENE	0	NG/KG	5000	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5000	
					BENZO(k)FLUORANTHENE	0	NG/KG	5000	
					CHRYSENE	0	NG/KG	5000	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5000	
					FLUORANTHENE	0	NG/KG	5000	
					FLUORENE	0	NG/KG	5000	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5000	
					NAPHTHALENE	0	NG/KG	5000	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0205	N	06-Jun-13	SO	BNASIM	PHENANTHRENE	0	NG/KG	5000	
					PYRENE	0	NG/KG	5000	
				D2216	MOISTURE, PERCENT	8.3	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	3.4	MG/KG	4.2	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	2.1	
				SW6010C	ALUMINUM	17000	MG/KG	49	
					CALCIUM	8300	MG/KG	98	
					IRON	15000	MG/KG	20	
					MAGNESIUM	3100	MG/KG	20	
					POTASSIUM	3400	MG/KG	290	
					SODIUM	150	MG/KG	490	
				SW6020A	ANTIMONY	14	UG/KG	210	J
					ARSENIC	2800	UG/KG	510	
					BARIUM	160000	UG/KG	260	
					BERYLLIUM	1000	UG/KG	100	J
					CADMIUM	460	UG/KG	100	
					CHROMIUM, TOTAL	17000	UG/KG	210	
					COBALT	6800	UG/KG	100	
					COPPER	13000	UG/KG	2600	
					LEAD	13000	UG/KG	100	
					MANGANESE	320000	UG/KG	100	
					NICKEL	13000	UG/KG	360	
					SELENIUM	1900	UG/KG	510	
					SILVER	53	UG/KG	100	
					THALLIUM	250	UG/KG	100	
					VANADIUM	23000	UG/KG	510	
					ZINC	53000	UG/KG	2600	
				SW7471	MERCURY	8.8	UG/KG	19	
				SW8015C	DIETHYLENE GLYCOL	1.5	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0205	N	06-Jun-13	SO	SW8081A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.5	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	35	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	35	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	35	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	35	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	35	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	35	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	35	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	380	
					1,1,1-TRICHLOROETHANE	0	UG/KG	380	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	380	
					1,1,2-TRICHLOROETHANE	0	UG/KG	380	
					1,1-DICHLOROETHANE	0	UG/KG	380	
					1,1-DICHLOROETHENE	0	UG/KG	380	
					1,1-DICHLOROPROPENE	0	UG/KG	380	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	380	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	380	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	380	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	380	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	760	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	380	
					1,2-DICHLOROBENZENE	0	UG/KG	760	
					1,2-DICHLOROETHANE	0	UG/KG	380	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0205	N	06-Jun-13	SO	SW8260B	1,2-DICHLOROPROPANE	0	UG/KG	380	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	380	
					1,3-DICHLOROBENZENE	0	UG/KG	380	
					1,3-DICHLOROPROPANE	0	UG/KG	380	
					1,4-DICHLOROBENZENE	0	UG/KG	380	
					2,2-DICHLOROPROPANE	0	UG/KG	380	
					2-CHLOROTOLUENE	0	UG/KG	380	
					2-HEXANONE	0	UG/KG	1500	
					4-CHLOROTOLUENE	0	UG/KG	380	
					ACETONE	0	UG/KG	2300	
					BENZENE	0	UG/KG	380	
					BROMOBENZENE	0	UG/KG	380	
					BROMOCHLOROMETHANE	0	UG/KG	380	
					BROMODICHLOROMETHANE	0	UG/KG	380	
					BROMOFORM	0	UG/KG	380	
					BROMOMETHANE	0	UG/KG	760	
					CARBON DISULFIDE	0	UG/KG	380	
					CARBON TETRACHLORIDE	0	UG/KG	380	
					CHLOROBENZENE	0	UG/KG	380	
					CHLOROETHANE	0	UG/KG	760	
					CHLOROFORM	0	UG/KG	380	
					CHLOROMETHANE	0	UG/KG	760	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	190	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	380	
					DIBROMOCHLOROMETHANE	0	UG/KG	380	
					DIBROMOMETHANE	0	UG/KG	380	
					DICHLORODIFLUOROMETHANE	0	UG/KG	760	
					ETHYLBENZENE	0	UG/KG	380	
					HEXACHLOROBUTADIENE	0	UG/KG	380	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	380	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	380	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	1500	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	1500	
					METHYLENE CHLORIDE	0	UG/KG	380	
					NAPHTHALENE	0	UG/KG	760	
					n-BUTYLBENZENE	0	UG/KG	380	
					n-PROPYLBENZENE	0	UG/KG	380	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0205	N	06-Jun-13	SO	SW8260B	O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	190	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	380	
					SEC-BUTYLBENZENE	0	UG/KG	380	
					STYRENE	0	UG/KG	380	
					t-BUTYLBENZENE	0	UG/KG	380	
					tert-BUTYL METHYL ETHER	0	UG/KG	380	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	380	
					TOLUENE	0	UG/KG	380	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	190	
					trans-1,2-DICHLOROETHENE	0	UG/KG	380	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	380	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	380	
					TRICHLOROFLUOROMETHANE	0	UG/KG	760	
					VINYL CHLORIDE	0	UG/KG	760	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	350	
					1,2-DICHLOROBENZENE	0	UG/KG	350	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	350	
					1,3-DICHLOROBENZENE	0	UG/KG	350	
					1,4-DICHLOROBENZENE	0	UG/KG	350	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	350	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	350	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	350	
					2,4-DICHLOROPHENOL	0	UG/KG	350	
					2,4-DIMETHYLPHENOL	0	UG/KG	350	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	350	
					2,6-DICHLOROPHENOL	0	UG/KG	350	
					2,6-DINITROTOLUENE	0	UG/KG	350	
					2-CHLORONAPHTHALENE	0	UG/KG	350	
					2-CHLOROPHENOL	0	UG/KG	350	
					2-METHYLNAPHTHALENE	0	UG/KG	350	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	350	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	350	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0205	N	06-Jun-13	SO	SW8270D	4-BROMOPHENYL PHENYL ETHER	0	UG/KG	350	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	350	
					4-CHLOROANILINE	0	UG/KG	350	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	350	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	350	
					ACENAPHTHYLENE	0	UG/KG	350	
					ANTHRACENE	0	UG/KG	350	
					BENZIDINE	0	UG/KG	4200	
					BENZO(a)ANTHRACENE	0	UG/KG	350	
					BENZO(a)PYRENE	0	UG/KG	350	
					BENZO(b)FLUORANTHENE	0	UG/KG	350	
					BENZO(g,h,i)PERYLENE	0	UG/KG	350	
					BENZO(k)FLUORANTHENE	0	UG/KG	350	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	350	
					BENZYL BUTYL PHTHALATE	0	UG/KG	350	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	350	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	350	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	350	
					CARBAZOLE	0	UG/KG	350	
					CHRYSENE	0	UG/KG	350	
					CRESOLS, m & p	0	UG/KG	350	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	350	
					DIBENZOFURAN	0	UG/KG	350	
					DIETHYL PHTHALATE	0	UG/KG	700	
					DIMETHYL PHTHALATE	0	UG/KG	350	
					DI-n-BUTYL PHTHALATE	0	UG/KG	350	
					DI-n-OCTYLPHTHALATE	0	UG/KG	350	
					FLUORANTHENE	0	UG/KG	350	
					FLUORENE	0	UG/KG	350	
					HEXACHLOROBENZENE	0	UG/KG	350	
					HEXACHLOROBUTADIENE	0	UG/KG	350	
					HEXACHLOROETHANE	0	UG/KG	350	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	350	
					ISOPHORONE	0	UG/KG	350	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0205	N	06-Jun-13	SO	SW8270D	NAPHTHALENE	0	UG/KG	350	
					NITROBENZENE	0	UG/KG	350	
					N-NITROSODIMETHYLAMINE	0	UG/KG	550	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	350	
					N-NITROSODIPHENYLAMINE	0	UG/KG	350	
					N-NITROSOPYRROLIDINE	0	UG/KG	350	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	350	
					PHENOL	0	UG/KG	350	
					PYRENE	0	UG/KG	420	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.099	
					1,3-DINITROBENZENE	0	MG/KG	0.099	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.099	
					2,4-DINITROTOLUENE	0	MG/KG	0.099	
					2,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.099	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.099	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	7.4	MG/KG	32	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.4	
					NITROGEN, NITRITE	0	MG/KG	5.4	
					SULFATE (AS SO4)	20	MG/KG	54	J
SWMU73SB0211				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5400	
					2-METHYLNAPHTHALENE	0	NG/KG	5400	
					ACENAPHTHENE	0	NG/KG	5400	
					ACENAPHTHYLENE	0	NG/KG	5400	
					ANTHRACENE	0	NG/KG	5400	
					BENZO(a)ANTHRACENE	0	NG/KG	5400	
					BENZO(a)PYRENE	0	NG/KG	5400	
					BENZO(b)FLUORANTHENE	0	NG/KG	5400	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5400	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0211	N	06-Jun-13	SO	BNASIM	BENZO(k)FLUORANTHENE	0	NG/KG	5400	
					CHRYSENE	0	NG/KG	5400	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5400	
					FLUORANTHENE	0	NG/KG	5400	
					FLUORENE	0	NG/KG	5400	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5400	
					NAPHTHALENE	0	NG/KG	5400	
					PHENANTHRENE	0	NG/KG	5400	
					PYRENE	0	NG/KG	5400	
				D2216	MOISTURE, PERCENT	9.9	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	4.2	MG/KG	4.2	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.7	
				SW6010C	ALUMINUM	8500	MG/KG	47	
					CALCIUM	180000	MG/KG	93	
					IRON	5400	MG/KG	19	
					MAGNESIUM	5800	MG/KG	19	
					POTASSIUM	1800	MG/KG	280	
					SODIUM	180	MG/KG	470	
				SW6020A	ANTIMONY	14	UG/KG	200	J
					ARSENIC	1800	UG/KG	500	
					BARIUM	220000	UG/KG	250	
					BERYLLIUM	370	UG/KG	100	J
					CADMIUM	210	UG/KG	100	
					CHROMIUM, TOTAL	6700	UG/KG	200	
					COBALT	3200	UG/KG	100	
					COPPER	6300	UG/KG	2500	
					LEAD	3100	UG/KG	100	
					MANGANESE	150000	UG/KG	100	
					NICKEL	10000	UG/KG	350	
					SELENIUM	420	UG/KG	500	
					SILVER	33	UG/KG	100	
					THALLIUM	140	UG/KG	100	
					VANADIUM	16000	UG/KG	500	
					ZINC	15000	UG/KG	2500	
				SW7471	MERCURY	20	UG/KG	19	
				SW8015C	DIETHYLENE GLYCOL	0.71	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0211	N	06-Jun-13	SO	SW8015C	PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.6	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.2	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	36	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	36	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	36	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	36	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	36	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	36	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	36	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	410	
					1,1,1-TRICHLOROETHANE	0	UG/KG	410	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	410	
					1,1,2-TRICHLOROETHANE	0	UG/KG	410	
					1,1-DICHLOROETHANE	0	UG/KG	410	
					1,1-DICHLOROETHENE	0	UG/KG	410	
					1,1-DICHLOROPROPENE	0	UG/KG	410	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	410	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0211	N	06-Jun-13	SO	SW8260B	1,2,3-TRICHLOROPROPANE	0	UG/KG	410	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	410	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	410	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	810	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	410	
					1,2-DICHLOROBENZENE	0	UG/KG	810	
					1,2-DICHLOROETHANE	0	UG/KG	410	
					1,2-DICHLOROPROPANE	0	UG/KG	410	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	410	
					1,3-DICHLOROBENZENE	0	UG/KG	410	
					1,3-DICHLOROPROPANE	0	UG/KG	410	
					1,4-DICHLOROBENZENE	0	UG/KG	410	
					2,2-DICHLOROPROPANE	0	UG/KG	410	
					2-CHLOROTOLUENE	0	UG/KG	410	
					2-HEXANONE	0	UG/KG	1600	
					4-CHLOROTOLUENE	0	UG/KG	410	
					ACETONE	0	UG/KG	2400	
					BENZENE	0	UG/KG	410	
					BROMOBENZENE	0	UG/KG	410	
					BROMOCHLOROMETHANE	0	UG/KG	410	
					BROMODICHLOROMETHANE	0	UG/KG	410	
					BROMOFORM	0	UG/KG	410	
					BROMOMETHANE	0	UG/KG	810	
					CARBON DISULFIDE	0	UG/KG	410	
					CARBON TETRACHLORIDE	0	UG/KG	410	
					CHLOROBENZENE	0	UG/KG	410	
					CHLOROETHANE	0	UG/KG	810	
					CHLOROFORM	0	UG/KG	410	
					CHLOROMETHANE	0	UG/KG	810	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	200	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	410	
					DIBROMOCHLOROMETHANE	0	UG/KG	410	
					DIBROMOMETHANE	0	UG/KG	410	
					DICHLORODIFLUOROMETHANE	0	UG/KG	810	
					ETHYLBENZENE	0	UG/KG	410	
					HEXACHLOROBUTADIENE	0	UG/KG	410	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	410	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0211	N	06-Jun-13	SO	SW8260B	M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	410	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	1600	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	1600	
					METHYLENE CHLORIDE	0	UG/KG	410	
					NAPHTHALENE	0	UG/KG	810	
					n-BUTYLBENZENE	0	UG/KG	410	
					n-PROPYLBENZENE	0	UG/KG	410	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	200	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	410	
					SEC-BUTYLBENZENE	0	UG/KG	410	
					STYRENE	0	UG/KG	410	
					t-BUTYLBENZENE	0	UG/KG	410	
					tert-BUTYL METHYL ETHER	0	UG/KG	410	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	410	
					TOLUENE	0	UG/KG	410	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	200	
					trans-1,2-DICHLOROETHENE	0	UG/KG	410	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	410	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	410	
					TRICHLOROFLUOROMETHANE	0	UG/KG	810	
					VINYL CHLORIDE	0	UG/KG	810	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	360	
					1,2-DICHLOROBENZENE	0	UG/KG	360	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	360	
					1,3-DICHLOROBENZENE	0	UG/KG	360	
					1,4-DICHLOROBENZENE	0	UG/KG	360	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	360	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	360	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	360	
					2,4-DICHLOROPHENOL	0	UG/KG	360	
					2,4-DIMETHYLPHENOL	0	UG/KG	360	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	360	
					2,6-DICHLOROPHENOL	0	UG/KG	360	
					2,6-DINITROTOLUENE	0	UG/KG	360	
					2-CHLORONAPHTHALENE	0	UG/KG	360	
					2-CHLOROPHENOL	0	UG/KG	360	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0211	N	06-Jun-13	SO	SW8270D	2-METHYLNAPHTHALENE	0	UG/KG	360	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	360	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	360	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	360	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	360	
					4-CHLOROANILINE	0	UG/KG	360	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	360	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	360	
					ACENAPHTHYLENE	0	UG/KG	360	
					ANTHRACENE	0	UG/KG	360	
					BENZIDINE	0	UG/KG	4400	
					BENZO(a)ANTHRACENE	0	UG/KG	360	
					BENZO(a)PYRENE	0	UG/KG	360	
					BENZO(b)FLUORANTHENE	0	UG/KG	360	
					BENZO(g,h,i)PERYLENE	0	UG/KG	360	
					BENZO(k)FLUORANTHENE	0	UG/KG	360	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	360	
					BENZYL BUTYL PHTHALATE	0	UG/KG	360	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	360	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	360	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	360	
					CARBAZOLE	0	UG/KG	360	
					CHRYSENE	0	UG/KG	360	
					CRESOLS, m & p	0	UG/KG	360	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	360	
					DIBENZOFURAN	0	UG/KG	360	
					DIETHYL PHTHALATE	0	UG/KG	720	
					DIMETHYL PHTHALATE	0	UG/KG	360	
					DI-n-BUTYL PHTHALATE	0	UG/KG	360	
					DI-n-OCTYLPHTHALATE	0	UG/KG	360	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0211	N	06-Jun-13	SO	SW8270D	FLUORANTHENE	0	UG/KG	360	
					FLUORENE	0	UG/KG	360	
					HEXACHLOROBENZENE	0	UG/KG	360	
					HEXACHLOROBUTADIENE	0	UG/KG	360	
					HEXACHLOROETHANE	0	UG/KG	360	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	360	
					ISOPHORONE	0	UG/KG	360	
					NAPHTHALENE	0	UG/KG	360	
					NITROBENZENE	0	UG/KG	360	
					N-NITROSODIMETHYLAMINE	0	UG/KG	570	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	360	
					N-NITROSODIPHENYLAMINE	0	UG/KG	360	
					N-NITROSOPYRROLIDINE	0	UG/KG	360	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	360	
					PHENOL	0	UG/KG	360	
					PYRENE	0	UG/KG	440	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.099	
					1,3-DINITROBENZENE	0	MG/KG	0.099	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.099	
					2,4-DINITROTOLUENE	0	MG/KG	0.099	
					2,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.099	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.099	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	47	MG/KG	32	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.4	
					NITROGEN, NITRITE	0	MG/KG	5.4	
					SULFATE (AS SO4)	230	MG/KG	54	J
SWMU73SB0217				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5300	
					2-METHYLNAPHTHALENE	0	NG/KG	5300	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0217	N	06-Jun-13	SO	BNASIM	ACENAPHTHENE	0	NG/KG	5300	
					ACENAPHTHYLENE	0	NG/KG	5300	
					ANTHRACENE	0	NG/KG	5300	
					BENZO(a)ANTHRACENE	0	NG/KG	5300	
					BENZO(a)PYRENE	0	NG/KG	5300	
					BENZO(b)FLUORANTHENE	0	NG/KG	5300	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5300	
					BENZO(k)FLUORANTHENE	0	NG/KG	5300	
					CHRYSENE	0	NG/KG	5300	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5300	
					FLUORANTHENE	0	NG/KG	5300	
					FLUORENE	0	NG/KG	5300	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5300	
					NAPHTHALENE	0	NG/KG	5300	
					PHENANTHRENE	0	NG/KG	5300	
					PYRENE	0	NG/KG	5300	
				D2216	MOISTURE, PERCENT	8.6	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	3.3	MG/KG	4.3	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	2.2	
				SW6010C	ALUMINUM	6000	MG/KG	51	
					CALCIUM	110000	MG/KG	100	
					IRON	3800	MG/KG	20	
					MAGNESIUM	4600	MG/KG	20	
					POTASSIUM	1200	MG/KG	300	
					SODIUM	150	MG/KG	510	
				SW6020A	ANTIMONY	0	UG/KG	190	
					ARSENIC	1400	UG/KG	460	
					BARIUM	59000	UG/KG	230	
					BERYLLIUM	230	UG/KG	93	J
					CADMIUM	91	UG/KG	93	
					CHROMIUM, TOTAL	4600	UG/KG	190	
					COBALT	1800	UG/KG	93	
					COPPER	2200	UG/KG	2300	
					LEAD	2400	UG/KG	93	
					MANGANESE	79000	UG/KG	93	
					NICKEL	5400	UG/KG	320	
					SELENIUM	250	UG/KG	460	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0217	N	06-Jun-13	SO	SW6020A	SILVER	0	UG/KG	93	
					THALLIUM	68	UG/KG	93	
					VANADIUM	11000	UG/KG	460	
					ZINC	8600	UG/KG	2300	
				SW7471	MERCURY	8.2	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.6	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.2	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	36	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	36	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	36	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	36	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	36	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	36	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	36	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	380	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0217	N	06-Jun-13	SO	SW8260B	1,1,1-TRICHLOROETHANE	0	UG/KG	380	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	380	
					1,1,2-TRICHLOROETHANE	0	UG/KG	380	
					1,1-DICHLOROETHANE	0	UG/KG	380	
					1,1-DICHLOROETHENE	0	UG/KG	380	
					1,1-DICHLOROPROPENE	0	UG/KG	380	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	380	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	380	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	380	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	380	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	760	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	380	
					1,2-DICHLOROBENZENE	0	UG/KG	760	
					1,2-DICHLOROETHANE	0	UG/KG	380	
					1,2-DICHLOROPROPANE	0	UG/KG	380	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	380	
					1,3-DICHLOROBENZENE	0	UG/KG	380	
					1,3-DICHLOROPROPANE	0	UG/KG	380	
					1,4-DICHLOROBENZENE	0	UG/KG	380	
					2,2-DICHLOROPROPANE	0	UG/KG	380	
					2-CHLOROTOLUENE	0	UG/KG	380	
					2-HEXANONE	0	UG/KG	1500	
					4-CHLOROTOLUENE	0	UG/KG	380	
					ACETONE	0	UG/KG	2300	
					BENZENE	0	UG/KG	380	
					BROMOBENZENE	0	UG/KG	380	
					BROMOCHLOROMETHANE	0	UG/KG	380	
					BROMODICHLOROMETHANE	0	UG/KG	380	
					BROMOFORM	0	UG/KG	380	
					BROMOMETHANE	0	UG/KG	760	
					CARBON DISULFIDE	0	UG/KG	380	
					CARBON TETRACHLORIDE	0	UG/KG	380	
					CHLOROBENZENE	0	UG/KG	380	
					CHLOROETHANE	0	UG/KG	760	
					CHLOROFORM	0	UG/KG	380	
					CHLOROMETHANE	0	UG/KG	760	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	190	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0217	N	06-Jun-13	SO	SW8260B	cis-1,3-DICHLOROPROPENE	0	UG/KG	380	
					DIBROMOCHLOROMETHANE	0	UG/KG	380	
					DIBROMOMETHANE	0	UG/KG	380	
					DICHLORODIFLUOROMETHANE	0	UG/KG	760	
					ETHYLBENZENE	0	UG/KG	380	
					HEXACHLOROBUTADIENE	0	UG/KG	380	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	380	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	380	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	1500	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	1500	
					METHYLENE CHLORIDE	0	UG/KG	380	
					NAPHTHALENE	0	UG/KG	760	
					n-BUTYLBENZENE	0	UG/KG	380	
					n-PROPYLBENZENE	0	UG/KG	380	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	190	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	380	
					SEC-BUTYLBENZENE	0	UG/KG	380	
					STYRENE	0	UG/KG	380	
					t-BUTYLBENZENE	0	UG/KG	380	
					tert-BUTYL METHYL ETHER	0	UG/KG	380	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	380	
					TOLUENE	0	UG/KG	380	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	190	
					trans-1,2-DICHLOROETHENE	0	UG/KG	380	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	380	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	380	
					TRICHLOROFLUOROMETHANE	0	UG/KG	760	
					VINYL CHLORIDE	0	UG/KG	760	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	340	
					1,2-DICHLOROBENZENE	0	UG/KG	340	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	340	
					1,3-DICHLOROBENZENE	0	UG/KG	340	
					1,4-DICHLOROBENZENE	0	UG/KG	340	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	340	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	340	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	340	
					2,4-DICHLOROPHENOL	0	UG/KG	340	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0217	N	06-Jun-13	SO	SW8270D	2,4-DIMETHYLPHENOL	0	UG/KG	340	
					2,4-DINITROPHENOL	0	UG/KG	1600	
					2,4-DINITROTOLUENE	0	UG/KG	340	
					2,6-DICHLOROPHENOL	0	UG/KG	340	
					2,6-DINITROTOLUENE	0	UG/KG	340	
					2-CHLORONAPHTHALENE	0	UG/KG	340	
					2-CHLOROPHENOL	0	UG/KG	340	
					2-METHYLNAPHTHALENE	0	UG/KG	340	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	340	
					2-NITROANILINE	0	UG/KG	1600	
					2-NITROPHENOL	0	UG/KG	340	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1600	
					3-NITROANILINE	0	UG/KG	1600	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1600	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	340	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	340	
					4-CHLOROANILINE	0	UG/KG	340	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	340	
					4-NITROANILINE	0	UG/KG	1600	
					4-NITROPHENOL	0	UG/KG	1600	
					ACENAPHTHENE	0	UG/KG	340	
					ACENAPHTHYLENE	0	UG/KG	340	
					ANTHRACENE	0	UG/KG	340	
					BENZIDINE	0	UG/KG	4100	
					BENZO(a)ANTHRACENE	0	UG/KG	340	
					BENZO(a)PYRENE	0	UG/KG	340	
					BENZO(b)FLUORANTHENE	0	UG/KG	340	
					BENZO(g,h,i)PERYLENE	0	UG/KG	340	
					BENZO(k)FLUORANTHENE	0	UG/KG	340	
					BENZOIC ACID	0	UG/KG	1600	
					BENZYL ALCOHOL	0	UG/KG	340	
					BENZYL BUTYL PHTHALATE	0	UG/KG	340	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	340	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	340	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	340	
					CARBAZOLE	0	UG/KG	340	
					CHRYSENE	0	UG/KG	340	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0217	N	06-Jun-13	SO	SW8270D	CRESOLS, m & p	0	UG/KG	340	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	340	
					DIBENZOFURAN	0	UG/KG	340	
					DIETHYL PHTHALATE	0	UG/KG	680	
					DIMETHYL PHTHALATE	0	UG/KG	340	
					DI-n-BUTYL PHTHALATE	0	UG/KG	340	
					DI-n-OCTYLPHTHALATE	0	UG/KG	340	
					FLUORANTHENE	0	UG/KG	340	
					FLUORENE	0	UG/KG	340	
					HEXACHLOROBENZENE	0	UG/KG	340	
					HEXACHLOROBUTADIENE	0	UG/KG	340	
					HEXACHLOROETHANE	0	UG/KG	340	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	340	
					ISOPHORONE	0	UG/KG	340	
					NAPHTHALENE	0	UG/KG	340	
					NITROBENZENE	0	UG/KG	340	
					N-NITROSODIMETHYLAMINE	0	UG/KG	530	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	340	
					N-NITROSODIPHENYLAMINE	0	UG/KG	340	
					N-NITROSOPYRROLIDINE	0	UG/KG	340	
					PENTACHLOROPHENOL	0	UG/KG	1600	
					PHENANTHRENE	0	UG/KG	340	
					PHENOL	0	UG/KG	340	
					PYRENE	0	UG/KG	410	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.098	
					1,3-DINITROBENZENE	0	MG/KG	0.098	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.098	
					2,4-DINITROTOLUENE	0	MG/KG	0.098	
					2,6-DINITROTOLUENE	0	MG/KG	0.098	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.098	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.098	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.098	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0217	N	06-Jun-13	SO	SW8330	TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	120	MG/KG	32	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.4	
					NITROGEN, NITRITE	0	MG/KG	5.4	
					SULFATE (AS SO4)	130	MG/KG	54	J
SWMU73SB0224				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5300	
					2-METHYLNAPHTHALENE	0	NG/KG	5300	
					ACENAPHTHENE	0	NG/KG	5300	
					ACENAPHTHYLENE	0	NG/KG	5300	
					ANTHRACENE	0	NG/KG	5300	
					BENZO(a)ANTHRACENE	0	NG/KG	5300	
					BENZO(a)PYRENE	0	NG/KG	5300	
					BENZO(b)FLUORANTHENE	0	NG/KG	5300	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5300	
					BENZO(k)FLUORANTHENE	0	NG/KG	5300	
					CHRYSENE	0	NG/KG	5300	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5300	
					FLUORANTHENE	0	NG/KG	5300	
					FLUORENE	0	NG/KG	5300	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5300	
					NAPHTHALENE	0	NG/KG	5300	
					PHENANTHRENE	0	NG/KG	5300	
					PYRENE	0	NG/KG	5300	
				D2216	MOISTURE, PERCENT	5.3	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	3.4	MG/KG	4.1	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.3	
				SW6010C	ALUMINUM	3900	MG/KG	48	
					CALCIUM	82000	MG/KG	97	
					IRON	3200	MG/KG	19	
					MAGNESIUM	2800	MG/KG	19	
					POTASSIUM	830	MG/KG	290	
					SODIUM	87	MG/KG	480	
				SW6020A	ANTIMONY	0	UG/KG	200	
					ARSENIC	1300	UG/KG	500	
					BARIUM	72000	UG/KG	250	
					BERYLLIUM	120	UG/KG	100	J
					CADMIUM	84	UG/KG	100	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0224	N	06-Jun-13	SO	SW6020A	CHROMIUM, TOTAL	2900	UG/KG	200	
					COBALT	1500	UG/KG	100	
					COPPER	1600	UG/KG	2500	
					LEAD	1600	UG/KG	100	
					MANGANESE	150000	UG/KG	100	
					NICKEL	5300	UG/KG	350	
					SELENIUM	220	UG/KG	500	
					SILVER	0	UG/KG	100	
					THALLIUM	33	UG/KG	100	
					VANADIUM	9900	UG/KG	500	
					ZINC	5800	UG/KG	2500	
				SW7471	MERCURY	0	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	10	
					ETHYLENE GLYCOL	0	MG/KG	10	
					PROPYLENE GLYCOL	0	MG/KG	10	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.4	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	34	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0224	N	06-Jun-13	SO	SW8082A	PCB-1221 (AROCHLOR 1221)	0	UG/KG	34	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	34	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	34	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	34	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	34	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	34	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	270	
					1,1,1-TRICHLOROETHANE	0	UG/KG	270	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	270	
					1,1,2-TRICHLOROETHANE	0	UG/KG	270	
					1,1-DICHLOROETHANE	0	UG/KG	270	
					1,1-DICHLOROETHENE	0	UG/KG	270	
					1,1-DICHLOROPROPENE	0	UG/KG	270	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	270	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	270	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	270	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	270	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	550	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	270	
					1,2-DICHLOROBENZENE	0	UG/KG	550	
					1,2-DICHLOROETHANE	0	UG/KG	270	
					1,2-DICHLOROPROPANE	0	UG/KG	270	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	270	
					1,3-DICHLOROBENZENE	0	UG/KG	270	
					1,3-DICHLOROPROPANE	0	UG/KG	270	
					1,4-DICHLOROBENZENE	0	UG/KG	270	
					2,2-DICHLOROPROPANE	0	UG/KG	270	
					2-CHLOROTOLUENE	0	UG/KG	270	
					2-HEXANONE	0	UG/KG	1100	
					4-CHLOROTOLUENE	0	UG/KG	270	
					ACETONE	0	UG/KG	1600	
					BENZENE	0	UG/KG	270	
					BROMOBENZENE	0	UG/KG	270	
					BROMOCHLOROMETHANE	0	UG/KG	270	
					BROMODICHLOROMETHANE	0	UG/KG	270	
					BROMOFORM	0	UG/KG	270	
					BROMOMETHANE	0	UG/KG	550	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0224	N	06-Jun-13	SO	SW8260B	CARBON DISULFIDE	0	UG/KG	270	
					CARBON TETRACHLORIDE	0	UG/KG	270	
					CHLOROBENZENE	0	UG/KG	270	
					CHLOROETHANE	0	UG/KG	550	
					CHLOROFORM	0	UG/KG	270	
					CHLOROMETHANE	0	UG/KG	550	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	140	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	270	
					DIBROMOCHLOROMETHANE	0	UG/KG	270	
					DIBROMOMETHANE	0	UG/KG	270	
					DICHLORODIFLUOROMETHANE	0	UG/KG	550	
					ETHYLBENZENE	0	UG/KG	270	
					HEXACHLOROBUTADIENE	0	UG/KG	270	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	270	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	270	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	1100	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	1100	
					METHYLENE CHLORIDE	0	UG/KG	270	
					NAPHTHALENE	0	UG/KG	550	
					n-BUTYLBENZENE	0	UG/KG	270	
					n-PROPYLBENZENE	0	UG/KG	270	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	140	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	270	
					SEC-BUTYLBENZENE	0	UG/KG	270	
					STYRENE	0	UG/KG	270	
					t-BUTYLBENZENE	0	UG/KG	270	
					tert-BUTYL METHYL ETHER	0	UG/KG	270	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	270	
					TOLUENE	0	UG/KG	270	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	140	
					trans-1,2-DICHLOROETHENE	0	UG/KG	270	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	270	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	270	
					TRICHLOROFLUOROMETHANE	0	UG/KG	550	
					VINYL CHLORIDE	0	UG/KG	550	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	320	
					1,2-DICHLOROBENZENE	0	UG/KG	320	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0224	N	06-Jun-13	SO	SW8270D	1,2-DIPHENYLHYDRAZINE	0	UG/KG	320	
					1,3-DICHLOROBENZENE	0	UG/KG	320	
					1,4-DICHLOROBENZENE	0	UG/KG	320	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	320	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	320	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	320	
					2,4-DICHLOROPHENOL	0	UG/KG	320	
					2,4-DIMETHYLPHENOL	0	UG/KG	320	
					2,4-DINITROPHENOL	0	UG/KG	1600	
					2,4-DINITROTOLUENE	0	UG/KG	320	
					2,6-DICHLOROPHENOL	0	UG/KG	320	
					2,6-DINITROTOLUENE	0	UG/KG	320	
					2-CHLORONAPHTHALENE	0	UG/KG	320	
					2-CHLOROPHENOL	0	UG/KG	320	
					2-METHYLNAPHTHALENE	0	UG/KG	320	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	320	
					2-NITROANILINE	0	UG/KG	1600	
					2-NITROPHENOL	0	UG/KG	320	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1600	
					3-NITROANILINE	0	UG/KG	1600	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1600	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	320	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	320	
					4-CHLOROANILINE	0	UG/KG	320	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	320	
					4-NITROANILINE	0	UG/KG	1600	
					4-NITROPHENOL	0	UG/KG	1600	
					ACENAPHTHENE	0	UG/KG	320	
					ACENAPHTHYLENE	0	UG/KG	320	
					ANTHRACENE	0	UG/KG	320	
					BENZIDINE	0	UG/KG	3900	
					BENZO(a)ANTHRACENE	0	UG/KG	320	
					BENZO(a)PYRENE	0	UG/KG	320	
					BENZO(b)FLUORANTHENE	0	UG/KG	320	
					BENZO(g,h,i)PERYLENE	0	UG/KG	320	
					BENZO(k)FLUORANTHENE	0	UG/KG	320	
					BENZOIC ACID	0	UG/KG	1600	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0224	N	06-Jun-13	SO	SW8270D	BENZYL ALCOHOL	0	UG/KG	320	
					BENZYL BUTYL PHTHALATE	0	UG/KG	320	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	320	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	320	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	320	
					CARBAZOLE	0	UG/KG	320	
					CHRYSENE	0	UG/KG	320	
					CRESOLS, m & p	0	UG/KG	320	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	320	
					DIBENZOFURAN	0	UG/KG	320	
					DIETHYL PHTHALATE	0	UG/KG	640	
					DIMETHYL PHTHALATE	0	UG/KG	320	
					DI-n-BUTYL PHTHALATE	0	UG/KG	320	
					DI-n-OCTYLPHTHALATE	0	UG/KG	320	
					FLUORANTHENE	0	UG/KG	320	
					FLUORENE	0	UG/KG	320	
					HEXACHLOROBENZENE	0	UG/KG	320	
					HEXACHLOROBUTADIENE	0	UG/KG	320	
					HEXACHLOROETHANE	0	UG/KG	320	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	320	
					ISOPHORONE	0	UG/KG	320	
					NAPHTHALENE	0	UG/KG	320	
					NITROBENZENE	0	UG/KG	320	
					N-NITROSODIMETHYLAMINE	0	UG/KG	510	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	320	
					N-NITROSODIPHENYLAMINE	0	UG/KG	320	
					N-NITROSOPYRROLIDINE	0	UG/KG	320	
					PENTACHLOROPHENOL	0	UG/KG	1600	
					PHENANTHRENE	0	UG/KG	320	
					PHENOL	0	UG/KG	320	
					PYRENE	0	UG/KG	390	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.097	
					1,3-DINITROBENZENE	0	MG/KG	0.097	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.097	
					2,4-DINITROTOLUENE	0	MG/KG	0.097	
					2,6-DINITROTOLUENE	0	MG/KG	0.097	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.097	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0224	N	06-Jun-13	SO	SW8330	2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.097	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.29	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.097	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	34	MG/KG	31	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.2	
					NITROGEN, NITRITE	0	MG/KG	5.2	
					SULFATE (AS SO4)	94	MG/KG	52	J
SWMU73SB0300		05-Jun-13		BNASIM	1-METHYLNAPHTHALENE	2600	NG/KG	25000	
					2-METHYLNAPHTHALENE	3200	NG/KG	25000	
					ACENAPHTHENE	1000	NG/KG	25000	
					ACENAPHTHYLENE	0	NG/KG	25000	
					ANTHRACENE	0	NG/KG	25000	
					BENZO(a)ANTHRACENE	8200	NG/KG	25000	
					BENZO(a)PYRENE	9700	NG/KG	25000	
					BENZO(b)FLUORANTHENE	16000	NG/KG	25000	
					BENZO(g,h,i)PERYLENE	13000	NG/KG	25000	
					BENZO(k)FLUORANTHENE	5500	NG/KG	25000	
					CHRYSENE	14000	NG/KG	25000	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	25000	
					FLUORANTHENE	20000	NG/KG	25000	
					FLUORENE	0	NG/KG	25000	
					INDENO(1,2,3-c,d)PYRENE	10000	NG/KG	25000	
					NAPHTHALENE	0	NG/KG	25000	
					PHENANTHRENE	12000	NG/KG	25000	
					PYRENE	18000	NG/KG	25000	
				D2216	MOISTURE, PERCENT	8.1	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	44	MG/KG	4.3	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0.53	MG/KG	1.6	
				SW6010C	ALUMINUM	15000	MG/KG	50	
					CALCIUM	4100	MG/KG	100	
					IRON	12000	MG/KG	20	
					MAGNESIUM	2300	MG/KG	20	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0300	N	05-Jun-13	SO	SW6010C	POTASSIUM	2700	MG/KG	300	
					SODIUM	0	MG/KG	500	
				SW6020A	ANTIMONY	33	UG/KG	200	
					ARSENIC	3300	UG/KG	490	
					BARIUM	95000	UG/KG	250	
					BERYLLIUM	680	UG/KG	99	
					CADMIUM	630	UG/KG	99	
					CHROMIUM, TOTAL	13000	UG/KG	200	
					COBALT	4200	UG/KG	99	
					COPPER	11000	UG/KG	2500	
					LEAD	21000	UG/KG	99	
					MANGANESE	210000	UG/KG	99	J
					NICKEL	10000	UG/KG	350	
					SELENIUM	1100	UG/KG	490	
					SILVER	56	UG/KG	99	
					THALLIUM	170	UG/KG	99	
					VANADIUM	19000	UG/KG	490	J
					ZINC	200000	UG/KG	2500	
				SW7471	MERCURY	21	UG/KG	22	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	18	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	18	
					ALPHA ENDOSULFAN	0	UG/KG	18	
					ALPHA-CHLORDANE	15	UG/KG	18	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	18	
					BETA ENDOSULFAN	0	UG/KG	18	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	18	
					DIELDRIN	0	UG/KG	18	
					ENDOSULFAN SULFATE	0	UG/KG	18	
					ENDRIN	0	UG/KG	18	
					ENDRIN ALDEHYDE	0	UG/KG	18	
					ENDRIN KETONE	0	UG/KG	18	
					GAMMA BHC (LINDANE)	0	UG/KG	18	
					GAMMA-CHLORDANE	12	UG/KG	18	
					HEPTACHLOR	0	UG/KG	18	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0300	N	05-Jun-13	SO	SW8081A	HEPTACHLOR EPOXIDE	0	UG/KG	18	
					METHOXYCHLOR	0	UG/KG	34	
					p,p'-DDD	12	UG/KG	18	
					p,p'-DDE	30	UG/KG	18	
					p,p'-DDT	24	UG/KG	21	
					TOXAPHENE	0	UG/KG	1800	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	34	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	34	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	34	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	34	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	34	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	34	
					PCB-1260 (AROCHLOR 1260)	24	UG/KG	34	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	7.3	
					1,1,1-TRICHLOROETHANE	0	UG/KG	7.3	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	7.3	
					1,1,2-TRICHLOROETHANE	0	UG/KG	7.3	
					1,1-DICHLOROETHANE	0	UG/KG	7.3	
					1,1-DICHLOROETHENE	0	UG/KG	7.3	
					1,1-DICHLOROPROPENE	0	UG/KG	7.3	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	7.3	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	7.3	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	7.3	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	7.3	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	15	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	7.3	
					1,2-DICHLOROBENZENE	0	UG/KG	7.3	
					1,2-DICHLOROETHANE	0	UG/KG	7.3	
					1,2-DICHLOROPROPANE	0	UG/KG	7.3	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	7.3	
					1,3-DICHLOROBENZENE	0	UG/KG	7.3	
					1,3-DICHLOROPROPANE	0	UG/KG	7.3	
					1,4-DICHLOROBENZENE	0	UG/KG	7.3	
					2,2-DICHLOROPROPANE	0	UG/KG	7.3	
					2-CHLOROTOLUENE	0	UG/KG	7.3	
					2-HEXANONE	0	UG/KG	29	
					4-CHLOROTOLUENE	0	UG/KG	7.3	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0300	N	05-Jun-13	SO	SW8260B	ACETONE	0	UG/KG	29	
					BENZENE	0	UG/KG	7.3	
					BROMOBENZENE	0	UG/KG	7.3	
					BROMOCHLOROMETHANE	0	UG/KG	7.3	
					BROMODICHLOROMETHANE	0	UG/KG	7.3	
					BROMOFORM	0	UG/KG	7.3	
					BROMOMETHANE	0	UG/KG	15	
					CARBON DISULFIDE	0	UG/KG	7.3	
					CARBON TETRACHLORIDE	0	UG/KG	7.3	
					CHLOROBENZENE	0	UG/KG	7.3	
					CHLOROETHANE	0	UG/KG	15	
					CHLOROFORM	0	UG/KG	15	
					CHLOROMETHANE	0	UG/KG	15	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	7.3	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	7.3	
					DIBROMOCHLOROMETHANE	0	UG/KG	7.3	
					DIBROMOMETHANE	0	UG/KG	7.3	
					DICHLORODIFLUOROMETHANE	0	UG/KG	15	
					ETHYLBENZENE	0	UG/KG	7.3	
					HEXACHLOROBUTADIENE	0	UG/KG	7.3	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	7.3	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	4.6	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	29	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	29	
					METHYLENE CHLORIDE	0	UG/KG	7.3	
					NAPHTHALENE	0	UG/KG	7.3	
					n-BUTYLBENZENE	0	UG/KG	7.3	
					n-PROPYLBENZENE	0	UG/KG	7.3	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	7.3	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	7.3	
					SEC-BUTYLBENZENE	0	UG/KG	7.3	
					STYRENE	0	UG/KG	7.3	
					t-BUTYLBENZENE	0	UG/KG	7.3	
					tert-BUTYL METHYL ETHER	0	UG/KG	29	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	7.3	
					TOLUENE	0	UG/KG	7.3	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	7.3	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0300	N	05-Jun-13	SO	SW8260B	trans-1,2-DICHLOROETHENE	0	UG/KG	7.3	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	7.3	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	7.3	
					TRICHLOROFLUOROMETHANE	0	UG/KG	15	
					VINYL CHLORIDE	0	UG/KG	7.3	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	360	
					1,2-DICHLOROBENZENE	0	UG/KG	360	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	360	
					1,3-DICHLOROBENZENE	0	UG/KG	360	
					1,4-DICHLOROBENZENE	0	UG/KG	360	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	360	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	360	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	360	
					2,4-DICHLOROPHENOL	0	UG/KG	360	
					2,4-DIMETHYLPHENOL	0	UG/KG	360	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	360	
					2,6-DICHLOROPHENOL	0	UG/KG	360	
					2,6-DINITROTOLUENE	0	UG/KG	360	
					2-CHLORONAPHTHALENE	0	UG/KG	360	
					2-CHLOROPHENOL	0	UG/KG	360	
					2-METHYLNAPHTHALENE	0	UG/KG	360	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	360	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	360	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	360	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	360	
					4-CHLOROANILINE	0	UG/KG	360	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	360	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	360	
					ACENAPHTHYLENE	0	UG/KG	360	
					ANTHRACENE	0	UG/KG	360	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0300	N	05-Jun-13	SO	SW8270D	BENZIDINE	0	UG/KG	4300	
					BENZO(a)ANTHRACENE	0	UG/KG	360	
					BENZO(a)PYRENE	0	UG/KG	360	
					BENZO(b)FLUORANTHENE	0	UG/KG	360	
					BENZO(g,h,i)PERYLENE	17	UG/KG	360	
					BENZO(k)FLUORANTHENE	0	UG/KG	360	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	360	
					BENZYL BUTYL PHTHALATE	0	UG/KG	360	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	360	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	360	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	360	
					CARBAZOLE	0	UG/KG	360	
					CHRYSENE	0	UG/KG	360	
					CRESOLS, m & p	0	UG/KG	360	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	360	
					DIBENZOFURAN	0	UG/KG	360	
					DIETHYL PHTHALATE	0	UG/KG	710	
					DIMETHYL PHTHALATE	0	UG/KG	360	
					DI-n-BUTYL PHTHALATE	0	UG/KG	360	
					DI-n-OCTYLPHTHALATE	0	UG/KG	360	
					FLUORANTHENE	0	UG/KG	360	
					FLUORENE	0	UG/KG	360	
					HEXACHLOROBENZENE	0	UG/KG	360	
					HEXACHLOROBUTADIENE	0	UG/KG	360	
					HEXACHLOROETHANE	0	UG/KG	360	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	360	
					ISOPHORONE	0	UG/KG	360	
					NAPHTHALENE	0	UG/KG	360	
					NITROBENZENE	0	UG/KG	360	
					N-NITROSODIMETHYLAMINE	0	UG/KG	560	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	360	
					N-NITROSODIPHENYLAMINE	0	UG/KG	360	
					N-NITROSOPYRROLIDINE	0	UG/KG	360	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	20	UG/KG	360	
					PHENOL	0	UG/KG	360	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0300	N	05-Jun-13	SO	SW8270D	PYRENE	30	UG/KG	430	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.094	
					1,3-DINITROBENZENE	0	MG/KG	0.094	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.094	
					2,4-DINITROTOLUENE	0	MG/KG	0.094	
					2,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.094	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.094	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	7.2	MG/KG	32	
					NITROGEN, NITRATE (AS N)	1.7	MG/KG	5.4	
					NITROGEN, NITRITE	0	MG/KG	5.4	
					SULFATE (AS SO4)	5.9	MG/KG	54	J
SWMU73SB0305				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5000	
					2-METHYLNAPHTHALENE	0	NG/KG	5000	
					ACENAPHTHENE	0	NG/KG	5000	
					ACENAPHTHYLENE	0	NG/KG	5000	
					ANTHRACENE	0	NG/KG	5000	
					BENZO(a)ANTHRACENE	0	NG/KG	5000	
					BENZO(a)PYRENE	0	NG/KG	5000	
					BENZO(b)FLUORANTHENE	0	NG/KG	5000	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5000	
					BENZO(k)FLUORANTHENE	0	NG/KG	5000	
					CHRYSENE	0	NG/KG	5000	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5000	
					FLUORANTHENE	0	NG/KG	5000	
					FLUORENE	0	NG/KG	5000	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5000	
					NAPHTHALENE	0	NG/KG	5000	
					PHENANTHRENE	0	NG/KG	5000	
					PYRENE	0	NG/KG	5000	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0305	N	05-Jun-13	SO	D2216	MOISTURE, PERCENT	4	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	2.8	MG/KG	4	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	6.2	MG/KG	2.6	J
				SW6010C	ALUMINUM	10000	MG/KG	51	
					CALCIUM	5200	MG/KG	100	
					IRON	9700	MG/KG	20	
					MAGNESIUM	1800	MG/KG	20	
					POTASSIUM	2200	MG/KG	300	
					SODIUM	0	MG/KG	510	
				SW6020A	ANTIMONY	16	UG/KG	200	
					ARSENIC	3600	UG/KG	490	
					BARIUM	120000	UG/KG	250	
					BERYLLIUM	520	UG/KG	98	
					CADMIUM	230	UG/KG	98	
					CHROMIUM, TOTAL	9000	UG/KG	200	
					COBALT	4100	UG/KG	98	
					COPPER	7900	UG/KG	2500	
					LEAD	9000	UG/KG	98	
					MANGANESE	240000	UG/KG	98	J
					NICKEL	6800	UG/KG	340	
					SELENIUM	1100	UG/KG	490	
					SILVER	40	UG/KG	98	
					THALLIUM	170	UG/KG	98	
					VANADIUM	17000	UG/KG	490	
					ZINC	24000	UG/KG	2500	
				SW7471	MERCURY	0	UG/KG	21	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	10	
					ETHYLENE GLYCOL	0	MG/KG	10	
					PROPYLENE GLYCOL	0	MG/KG	10	
				SW8081A	ALDRIN	0	UG/KG	1.7	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					ALPHA ENDOSULFAN	0	UG/KG	1.7	
					ALPHA-CHLORDANE	0	UG/KG	1.7	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					BETA ENDOSULFAN	0	UG/KG	1.7	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					DIELDRIN	0	UG/KG	1.7	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0305	N	05-Jun-13	SO	SW8081A	ENDOSULFAN SULFATE	0	UG/KG	1.7	
					ENDRIN	0	UG/KG	1.7	
					ENDRIN ALDEHYDE	0	UG/KG	1.7	
					ENDRIN KETONE	0	UG/KG	1.7	
					GAMMA BHC (LINDANE)	0	UG/KG	1.7	
					GAMMA-CHLORDANE	0	UG/KG	1.7	
					HEPTACHLOR	0	UG/KG	1.7	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.7	
					METHOXYCHLOR	0	UG/KG	3.2	
					p,p'-DDD	0	UG/KG	1.7	
					p,p'-DDE	0	UG/KG	1.7	
					p,p'-DDT	0	UG/KG	2	
					TOXAPHENE	0	UG/KG	170	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	32	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	32	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	32	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	32	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	32	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	32	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	32	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	7.8	
					1,1,1-TRICHLOROETHANE	0	UG/KG	7.8	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	7.8	
					1,1,2-TRICHLOROETHANE	0	UG/KG	7.8	
					1,1-DICHLOROETHANE	0	UG/KG	7.8	
					1,1-DICHLOROETHENE	0	UG/KG	7.8	
					1,1-DICHLOROPROPENE	0	UG/KG	7.8	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	7.8	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	7.8	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	7.8	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	7.8	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	16	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	7.8	
					1,2-DICHLOROBENZENE	0	UG/KG	7.8	
					1,2-DICHLOROETHANE	0	UG/KG	7.8	
					1,2-DICHLOROPROPANE	0	UG/KG	7.8	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	7.8	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0305	N	05-Jun-13	SO	SW8260B	1,3-DICHLOROBENZENE	0	UG/KG	7.8	
					1,3-DICHLOROPROPANE	0	UG/KG	7.8	
					1,4-DICHLOROBENZENE	0	UG/KG	7.8	
					2,2-DICHLOROPROPANE	0	UG/KG	7.8	
					2-CHLOROTOLUENE	0	UG/KG	7.8	
					2-HEXANONE	0	UG/KG	31	
					4-CHLOROTOLUENE	0	UG/KG	7.8	
					ACETONE	0	UG/KG	31	
					BENZENE	0	UG/KG	7.8	
					BROMOBENZENE	0	UG/KG	7.8	
					BROMOCHLOROMETHANE	0	UG/KG	7.8	
					BROMODICHLOROMETHANE	0	UG/KG	7.8	
					BROMOFORM	0	UG/KG	7.8	
					BROMOMETHANE	0	UG/KG	16	
					CARBON DISULFIDE	0	UG/KG	7.8	
					CARBON TETRACHLORIDE	0	UG/KG	7.8	
					CHLOROBENZENE	0	UG/KG	7.8	
					CHLOROETHANE	0	UG/KG	16	
					CHLOROFORM	0	UG/KG	16	
					CHLOROMETHANE	0	UG/KG	16	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	7.8	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	7.8	
					DIBROMOCHLOROMETHANE	0	UG/KG	7.8	
					DIBROMOMETHANE	0	UG/KG	7.8	
					DICHLORODIFLUOROMETHANE	0	UG/KG	16	
					ETHYLBENZENE	0	UG/KG	7.8	
					HEXACHLOROBUTADIENE	0	UG/KG	7.8	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	7.8	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	5	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	31	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	31	
					METHYLENE CHLORIDE	0	UG/KG	7.8	
					NAPHTHALENE	0	UG/KG	7.8	
					n-BUTYLBENZENE	0	UG/KG	7.8	
					n-PROPYLBENZENE	0	UG/KG	7.8	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	7.8	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	7.8	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0305	N	05-Jun-13	SO	SW8260B	SEC-BUTYLBENZENE	0	UG/KG	7.8	
					STYRENE	0	UG/KG	7.8	
					t-BUTYLBENZENE	0	UG/KG	7.8	
					tert-BUTYL METHYL ETHER	0	UG/KG	31	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	7.8	
					TOLUENE	0	UG/KG	7.8	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	7.8	
					trans-1,2-DICHLOROETHENE	0	UG/KG	7.8	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	7.8	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	7.8	
					TRICHLOROFLUOROMETHANE	0	UG/KG	16	
					VINYL CHLORIDE	0	UG/KG	7.8	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	330	
					1,2-DICHLOROBENZENE	0	UG/KG	330	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	330	
					1,3-DICHLOROBENZENE	0	UG/KG	330	
					1,4-DICHLOROBENZENE	0	UG/KG	330	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	330	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	330	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	330	
					2,4-DICHLOROPHENOL	0	UG/KG	330	
					2,4-DIMETHYLPHENOL	0	UG/KG	330	
					2,4-DINITROPHENOL	0	UG/KG	1600	
					2,4-DINITROTOLUENE	0	UG/KG	330	
					2,6-DICHLOROPHENOL	0	UG/KG	330	
					2,6-DINITROTOLUENE	0	UG/KG	330	
					2-CHLORONAPHTHALENE	0	UG/KG	330	
					2-CHLOROPHENOL	0	UG/KG	330	
					2-METHYLNAPHTHALENE	0	UG/KG	330	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	330	
					2-NITROANILINE	0	UG/KG	1600	
					2-NITROPHENOL	0	UG/KG	330	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1600	
					3-NITROANILINE	0	UG/KG	1600	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1600	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	330	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	330	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0305	N	05-Jun-13	SO	SW8270D	4-CHLOROANILINE	0	UG/KG	330	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	330	
					4-NITROANILINE	0	UG/KG	1600	
					4-NITROPHENOL	0	UG/KG	1600	
					ACENAPHTHENE	0	UG/KG	330	
					ACENAPHTHYLENE	0	UG/KG	330	
					ANTHRACENE	0	UG/KG	330	
					BENZIDINE	0	UG/KG	4000	
					BENZO(a)ANTHRACENE	0	UG/KG	330	
					BENZO(a)PYRENE	0	UG/KG	330	
					BENZO(b)FLUORANTHENE	0	UG/KG	330	
					BENZO(g,h,i)PERYLENE	0	UG/KG	330	
					BENZO(k)FLUORANTHENE	0	UG/KG	330	
					BENZOIC ACID	0	UG/KG	1600	
					BENZYL ALCOHOL	0	UG/KG	330	
					BENZYL BUTYL PHTHALATE	0	UG/KG	330	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	330	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	330	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	330	
					CARBAZOLE	0	UG/KG	330	
					CHRYSENE	0	UG/KG	330	
					CRESOLS, m & p	0	UG/KG	330	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	330	
					DIBENZOFURAN	0	UG/KG	330	
					DIETHYL PHTHALATE	0	UG/KG	660	
					DIMETHYL PHTHALATE	0	UG/KG	330	
					DI-n-BUTYL PHTHALATE	0	UG/KG	330	
					DI-n-OCTYLPHTHALATE	0	UG/KG	330	
					FLUORANTHENE	0	UG/KG	330	
					FLUORENE	0	UG/KG	330	
					HEXACHLOROBENZENE	0	UG/KG	330	
					HEXACHLOROBUTADIENE	0	UG/KG	330	
					HEXACHLOROETHANE	0	UG/KG	330	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	330	
					ISOPHORONE	0	UG/KG	330	
					NAPHTHALENE	0	UG/KG	330	
					NITROBENZENE	0	UG/KG	330	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0305	N	05-Jun-13	SO	SW8270D	N-NITROSODIMETHYLAMINE	0	UG/KG	520	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	330	
					N-NITROSODIPHENYLAMINE	0	UG/KG	330	
					N-NITROSOPYRROLIDINE	0	UG/KG	330	
					PENTACHLOROPHENOL	0	UG/KG	1600	
					PHENANTHRENE	0	UG/KG	330	
					PHENOL	0	UG/KG	330	
					PYRENE	0	UG/KG	400	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.094	
					1,3-DINITROBENZENE	0	MG/KG	0.094	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.094	
					2,4-DINITROTOLUENE	0	MG/KG	0.094	
					2,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.094	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.094	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	16	MG/KG	31	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.2	
					NITROGEN, NITRITE	0	MG/KG	5.2	
					SULFATE (AS SO4)	13	MG/KG	52	J
SWMU73SB0311				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5200	
					2-METHYLNAPHTHALENE	0	NG/KG	5200	
					ACENAPHTHENE	0	NG/KG	5200	
					ACENAPHTHYLENE	0	NG/KG	5200	
					ANTHRACENE	0	NG/KG	5200	
					BENZO(a)ANTHRACENE	0	NG/KG	5200	
					BENZO(a)PYRENE	0	NG/KG	5200	
					BENZO(b)FLUORANTHENE	0	NG/KG	5200	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5200	
					BENZO(k)FLUORANTHENE	0	NG/KG	5200	
					CHRYSENE	0	NG/KG	5200	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0311	N	05-Jun-13	SO	BNASIM	DIBENZ(a,h)ANTHRACENE	0	NG/KG	5200	
					FLUORANTHENE	0	NG/KG	5200	
					FLUORENE	0	NG/KG	5200	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5200	
					NAPHTHALENE	0	NG/KG	5200	
					PHENANTHRENE	0	NG/KG	5200	
					PYRENE	0	NG/KG	5200	
				D2216	MOISTURE, PERCENT	6.3	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	4.9	MG/KG	4.1	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.7	
				SW6010C	ALUMINUM	12000	MG/KG	49	
					CALCIUM	150000	MG/KG	98	
					IRON	7800	MG/KG	20	
					MAGNESIUM	4200	MG/KG	20	
					POTASSIUM	2500	MG/KG	290	
					SODIUM	140	MG/KG	490	
				SW6020A	ANTIMONY	16	UG/KG	200	
					ARSENIC	1100	UG/KG	510	
					BARIUM	90000	UG/KG	250	
					BERYLLIUM	480	UG/KG	100	
					CADMIUM	220	UG/KG	100	
					CHROMIUM, TOTAL	9600	UG/KG	200	
					COBALT	3000	UG/KG	100	
					COPPER	6000	UG/KG	2500	
					LEAD	4200	UG/KG	100	
					MANGANESE	130000	UG/KG	100	J
					NICKEL	8800	UG/KG	360	
					SELENIUM	500	UG/KG	510	
					SILVER	29	UG/KG	100	
					THALLIUM	160	UG/KG	100	
					VANADIUM	14000	UG/KG	510	J
					ZINC	18000	UG/KG	2500	
				SW7471	MERCURY	9.3	UG/KG	22	
				SW8015C	DIETHYLENE GLYCOL	3.7	MG/KG	10	
					ETHYLENE GLYCOL	0	MG/KG	10	
					PROPYLENE GLYCOL	0	MG/KG	10	
				SW8081A	ALDRIN	0	UG/KG	1.6	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0311	N	05-Jun-13	SO	SW8081A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.6	
					ALPHA ENDOSULFAN	0	UG/KG	1.6	
					ALPHA-CHLORDANE	0	UG/KG	1.6	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.6	
					BETA ENDOSULFAN	0	UG/KG	1.6	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.6	
					DIELDRIN	0	UG/KG	1.6	
					ENDOSULFAN SULFATE	0	UG/KG	1.6	
					ENDRIN	0	UG/KG	1.6	
					ENDRIN ALDEHYDE	0	UG/KG	1.6	
					ENDRIN KETONE	0	UG/KG	1.6	
					GAMMA BHC (LINDANE)	0	UG/KG	1.6	
					GAMMA-CHLORDANE	0	UG/KG	1.6	
					HEPTACHLOR	0	UG/KG	1.6	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.6	
					METHOXYCHLOR	0	UG/KG	3.2	
					p,p'-DDD	0	UG/KG	1.6	
					p,p'-DDE	0	UG/KG	1.6	
					p,p'-DDT	0	UG/KG	1.9	
					TOXAPHENE	0	UG/KG	160	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	32	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	32	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	32	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	32	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	32	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	32	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	32	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	8	
					1,1,1-TRICHLOROETHANE	0	UG/KG	8	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	8	
					1,1,2-TRICHLOROETHANE	0	UG/KG	8	
					1,1-DICHLOROETHANE	0	UG/KG	8	
					1,1-DICHLOROETHENE	0	UG/KG	8	
					1,1-DICHLOROPROPENE	0	UG/KG	8	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	8	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	8	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	8	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0311	N	05-Jun-13	SO	SW8260B	1,2,4-TRIMETHYLBENZENE	0	UG/KG	8	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	16	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	8	
					1,2-DICHLOROBENZENE	0	UG/KG	8	
					1,2-DICHLOROETHANE	0	UG/KG	8	
					1,2-DICHLOROPROPANE	0	UG/KG	8	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	8	
					1,3-DICHLOROBENZENE	0	UG/KG	8	
					1,3-DICHLOROPROPANE	0	UG/KG	8	
					1,4-DICHLOROBENZENE	0	UG/KG	8	
					2,2-DICHLOROPROPANE	0	UG/KG	8	
					2-CHLOROTOLUENE	0	UG/KG	8	
					2-HEXANONE	0	UG/KG	32	
					4-CHLOROTOLUENE	0	UG/KG	8	
					ACETONE	0	UG/KG	32	
					BENZENE	0	UG/KG	8	
					BROMOBENZENE	0	UG/KG	8	
					BROMOCHLOROMETHANE	0	UG/KG	8	
					BROMODICHLOROMETHANE	0	UG/KG	8	
					BROMOFORM	0	UG/KG	8	
					BROMOMETHANE	0	UG/KG	16	
					CARBON DISULFIDE	0	UG/KG	8	
					CARBON TETRACHLORIDE	0	UG/KG	8	
					CHLOROBENZENE	0	UG/KG	8	
					CHLOROETHANE	0	UG/KG	16	
					CHLOROFORM	0	UG/KG	16	
					CHLOROMETHANE	0	UG/KG	16	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	8	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	8	
					DIBROMOCHLOROMETHANE	0	UG/KG	8	
					DIBROMOMETHANE	0	UG/KG	8	
					DICHLORODIFLUOROMETHANE	0	UG/KG	16	
					ETHYLBENZENE	0	UG/KG	8	
					HEXACHLOROBUTADIENE	0	UG/KG	8	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	8	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	5.1	
					METHYL ETHYL KETONE (2-BUTANONE)	3	UG/KG	32	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0311	N	05-Jun-13	SO	SW8260B	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	32	
					METHYLENE CHLORIDE	0	UG/KG	8	
					NAPHTHALENE	0	UG/KG	8	
					n-BUTYLBENZENE	0	UG/KG	8	
					n-PROPYLBENZENE	0	UG/KG	8	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	8	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	8	
					SEC-BUTYLBENZENE	0	UG/KG	8	
					STYRENE	0	UG/KG	8	
					t-BUTYLBENZENE	0	UG/KG	8	
					tert-BUTYL METHYL ETHER	0	UG/KG	32	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	8	
					TOLUENE	0	UG/KG	8	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	8	
					trans-1,2-DICHLOROETHENE	0	UG/KG	8	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	8	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	8	
					TRICHLOROFLUOROMETHANE	0	UG/KG	16	
					VINYL CHLORIDE	0	UG/KG	8	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	350	
					1,2-DICHLOROBENZENE	0	UG/KG	350	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	350	
					1,3-DICHLOROBENZENE	0	UG/KG	350	
					1,4-DICHLOROBENZENE	0	UG/KG	350	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	350	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	350	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	350	
					2,4-DICHLOROPHENOL	0	UG/KG	350	
					2,4-DIMETHYLPHENOL	0	UG/KG	350	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	350	
					2,6-DICHLOROPHENOL	0	UG/KG	350	
					2,6-DINITROTOLUENE	0	UG/KG	350	
					2-CHLORONAPHTHALENE	0	UG/KG	350	
					2-CHLOROPHENOL	0	UG/KG	350	
					2-METHYLNAPHTHALENE	0	UG/KG	350	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	350	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0311	N	05-Jun-13	SO	SW8270D	2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	350	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	350	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	350	
					4-CHLOROANILINE	0	UG/KG	350	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	350	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	350	
					ACENAPHTHYLENE	0	UG/KG	350	
					ANTHRACENE	0	UG/KG	350	
					BENZIDINE	0	UG/KG	4300	
					BENZO(a)ANTHRACENE	0	UG/KG	350	
					BENZO(a)PYRENE	0	UG/KG	350	
					BENZO(b)FLUORANTHENE	0	UG/KG	350	
					BENZO(g,h,i)PERYLENE	0	UG/KG	350	
					BENZO(k)FLUORANTHENE	0	UG/KG	350	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	350	
					BENZYL BUTYL PHTHALATE	0	UG/KG	350	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	350	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	350	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	350	
					CARBAZOLE	0	UG/KG	350	
					CHRYSENE	0	UG/KG	350	
					CRESOLS, m & p	0	UG/KG	350	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	350	
					DIBENZOFURAN	0	UG/KG	350	
					DIETHYL PHTHALATE	0	UG/KG	700	
					DIMETHYL PHTHALATE	0	UG/KG	350	
					DI-n-BUTYL PHTHALATE	0	UG/KG	350	
					DI-n-OCTYLPHTHALATE	0	UG/KG	350	
					FLUORANTHENE	0	UG/KG	350	
					FLUORENE	0	UG/KG	350	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0311	N	05-Jun-13	SO	SW8270D	HEXACHLOROBENZENE	0	UG/KG	350	
					HEXACHLOROBUTADIENE	0	UG/KG	350	
					HEXACHLOROETHANE	0	UG/KG	350	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	350	
					ISOPHORONE	0	UG/KG	350	
					NAPHTHALENE	0	UG/KG	350	
					NITROBENZENE	0	UG/KG	350	
					N-NITROSODIMETHYLAMINE	0	UG/KG	560	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	350	
					N-NITROSODIPHENYLAMINE	0	UG/KG	350	
					N-NITROSOPYRROLIDINE	0	UG/KG	350	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	350	
					PHENOL	0	UG/KG	350	
					PYRENE	0	UG/KG	430	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.096	
					1,3-DINITROBENZENE	0	MG/KG	0.096	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.096	
					2,4-DINITROTOLUENE	0	MG/KG	0.096	
					2,6-DINITROTOLUENE	0	MG/KG	0.096	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.096	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.096	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.29	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.096	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	12	MG/KG	31	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.2	
					NITROGEN, NITRITE	0	MG/KG	5.2	
					SULFATE (AS SO4)	25	MG/KG	52	J
SWMU73SB0317				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	4900	
					2-METHYLNAPHTHALENE	0	NG/KG	4900	
					ACENAPHTHENE	0	NG/KG	4900	
					ACENAPHTHYLENE	0	NG/KG	4900	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0317	N	05-Jun-13	SO	BNASIM	ANTHRACENE	0	NG/KG	4900	
					BENZO(a)ANTHRACENE	0	NG/KG	4900	
					BENZO(a)PYRENE	0	NG/KG	4900	
					BENZO(b)FLUORANTHENE	0	NG/KG	4900	
					BENZO(g,h,i)PERYLENE	0	NG/KG	4900	
					BENZO(k)FLUORANTHENE	0	NG/KG	4900	
					CHRYSENE	0	NG/KG	4900	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	4900	
					FLUORANTHENE	0	NG/KG	4900	
					FLUORENE	0	NG/KG	4900	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	4900	
					NAPHTHALENE	0	NG/KG	4900	
					PHENANTHRENE	0	NG/KG	4900	
					PYRENE	0	NG/KG	4900	
				D2216	MOISTURE, PERCENT	6.6	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	9.6	MG/KG	4.2	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.6	
				SW6010C	ALUMINUM	7200	MG/KG	45	
					CALCIUM	150000	MG/KG	90	
					IRON	4200	MG/KG	18	
					MAGNESIUM	4100	MG/KG	18	
					POTASSIUM	1500	MG/KG	270	
					SODIUM	120	MG/KG	450	
				SW6020A	ANTIMONY	0	UG/KG	190	
					ARSENIC	1300	UG/KG	470	
					BARIUM	460000	UG/KG	240	
					BERYLLIUM	410	UG/KG	95	
					CADMIUM	160	UG/KG	95	
					CHROMIUM, TOTAL	7800	UG/KG	190	
					COBALT	2000	UG/KG	95	
					COPPER	4700	UG/KG	2400	
					LEAD	3000	UG/KG	95	
					MANGANESE	170000	UG/KG	95	J
					NICKEL	6400	UG/KG	330	
					SELENIUM	430	UG/KG	470	
					SILVER	21	UG/KG	95	
					THALLIUM	95	UG/KG	95	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0317	N	05-Jun-13	SO	SW6020A	VANADIUM	15000	UG/KG	470	J
					ZINC	14000	UG/KG	2400	
				SW7471	MERCURY	7.3	UG/KG	21	
				SW8015C	DIETHYLENE GLYCOL	0.91	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.5	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	35	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	35	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	35	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	35	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	35	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	35	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	35	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	6.5	
					1,1,1-TRICHLOROETHANE	0	UG/KG	6.5	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	6.5	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0317	N	05-Jun-13	SO	SW8260B	1,1,2-TRICHLOROETHANE	0	UG/KG	6.5	
					1,1-DICHLOROETHANE	0	UG/KG	6.5	
					1,1-DICHLOROETHENE	0	UG/KG	6.5	
					1,1-DICHLOROPROPENE	0	UG/KG	6.5	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	6.5	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	6.5	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	6.5	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	6.5	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	13	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	6.5	
					1,2-DICHLOROBENZENE	0	UG/KG	6.5	
					1,2-DICHLOROETHANE	0	UG/KG	6.5	
					1,2-DICHLOROPROPANE	0	UG/KG	6.5	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	6.5	
					1,3-DICHLOROBENZENE	0	UG/KG	6.5	
					1,3-DICHLOROPROPANE	0	UG/KG	6.5	
					1,4-DICHLOROBENZENE	0	UG/KG	6.5	
					2,2-DICHLOROPROPANE	0	UG/KG	6.5	
					2-CHLOROTOLUENE	0	UG/KG	6.5	
					2-HEXANONE	0	UG/KG	26	
					4-CHLOROTOLUENE	0	UG/KG	6.5	
					ACETONE	0	UG/KG	26	
					BENZENE	0	UG/KG	6.5	
					BROMOBENZENE	0	UG/KG	6.5	
					BROMOCHLOROMETHANE	0	UG/KG	6.5	
					BROMODICHLOROMETHANE	0	UG/KG	6.5	
					BROMOFORM	0	UG/KG	6.5	
					BROMOMETHANE	0	UG/KG	13	
					CARBON DISULFIDE	0	UG/KG	6.5	
					CARBON TETRACHLORIDE	0	UG/KG	6.5	
					CHLOROBENZENE	0	UG/KG	6.5	
					CHLOROETHANE	0	UG/KG	13	
					CHLOROFORM	0	UG/KG	13	
					CHLOROMETHANE	0	UG/KG	13	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	6.5	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	6.5	
					DIBROMOCHLOROMETHANE	0	UG/KG	6.5	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0317	N	05-Jun-13	SO	SW8260B	DIBROMOMETHANE	0	UG/KG	6.5	
					DICHLORODIFLUOROMETHANE	0	UG/KG	13	
					ETHYLBENZENE	0	UG/KG	6.5	
					HEXACHLOROBUTADIENE	0	UG/KG	6.5	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	6.5	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	4.2	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	26	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	26	
					METHYLENE CHLORIDE	0	UG/KG	6.5	
					NAPHTHALENE	0	UG/KG	6.5	
					n-BUTYLBENZENE	0	UG/KG	6.5	
					n-PROPYLBENZENE	0	UG/KG	6.5	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	6.5	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	6.5	
					SEC-BUTYLBENZENE	0	UG/KG	6.5	
					STYRENE	0	UG/KG	6.5	
					t-BUTYLBENZENE	0	UG/KG	6.5	
					tert-BUTYL METHYL ETHER	0	UG/KG	26	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	6.5	
					TOLUENE	0	UG/KG	6.5	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	6.5	
					trans-1,2-DICHLOROETHENE	0	UG/KG	6.5	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	6.5	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	6.5	
					TRICHLOROFLUOROMETHANE	0	UG/KG	13	
					VINYL CHLORIDE	0	UG/KG	6.5	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	350	
					1,2-DICHLOROBENZENE	0	UG/KG	350	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	350	
					1,3-DICHLOROBENZENE	0	UG/KG	350	
					1,4-DICHLOROBENZENE	0	UG/KG	350	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	350	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	350	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	350	
					2,4-DICHLOROPHENOL	0	UG/KG	350	
					2,4-DIMETHYLPHENOL	0	UG/KG	350	
					2,4-DINITROPHENOL	0	UG/KG	1700	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0317	N	05-Jun-13	SO	SW8270D	2,4-DINITROTOLUENE	0	UG/KG	350	
					2,6-DICHLOROPHENOL	0	UG/KG	350	
					2,6-DINITROTOLUENE	0	UG/KG	350	
					2-CHLORONAPHTHALENE	0	UG/KG	350	
					2-CHLOROPHENOL	0	UG/KG	350	
					2-METHYLNAPHTHALENE	0	UG/KG	350	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	350	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	350	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	350	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	350	
					4-CHLOROANILINE	0	UG/KG	350	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	350	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	350	
					ACENAPHTHYLENE	0	UG/KG	350	
					ANTHRACENE	0	UG/KG	350	
					BENZIDINE	0	UG/KG	4200	
					BENZO(a)ANTHRACENE	0	UG/KG	350	
					BENZO(a)PYRENE	0	UG/KG	350	
					BENZO(b)FLUORANTHENE	0	UG/KG	350	
					BENZO(g,h,i)PERYLENE	0	UG/KG	350	
					BENZO(k)FLUORANTHENE	0	UG/KG	350	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	350	
					BENZYL BUTYL PHTHALATE	0	UG/KG	350	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	350	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	350	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	350	
					CARBAZOLE	0	UG/KG	350	
					CHRYSENE	0	UG/KG	350	
					CRESOLS, m & p	0	UG/KG	350	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	350	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0317	N	05-Jun-13	SO	SW8270D	DIBENZOFURAN	0	UG/KG	350	
					DIETHYL PHTHALATE	0	UG/KG	700	
					DIMETHYL PHTHALATE	0	UG/KG	350	
					DI-n-BUTYL PHTHALATE	0	UG/KG	350	
					DI-n-OCTYLPHTHALATE	0	UG/KG	350	
					FLUORANTHENE	0	UG/KG	350	
					FLUORENE	0	UG/KG	350	
					HEXACHLOROBENZENE	0	UG/KG	350	
					HEXACHLOROBUTADIENE	0	UG/KG	350	
					HEXACHLOROETHANE	0	UG/KG	350	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	350	
					ISOPHORONE	0	UG/KG	350	
					NAPHTHALENE	0	UG/KG	350	
					NITROBENZENE	0	UG/KG	350	
					N-NITROSODIMETHYLAMINE	0	UG/KG	550	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	350	
					N-NITROSODIPHENYLAMINE	0	UG/KG	350	
					N-NITROSOPYRROLIDINE	0	UG/KG	350	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	350	
					PHENOL	0	UG/KG	350	
					PYRENE	0	UG/KG	420	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.099	
					1,3-DINITROBENZENE	0	MG/KG	0.099	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.099	
					2,4-DINITROTOLUENE	0	MG/KG	0.099	
					2,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.099	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.099	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	15	MG/KG	31	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0317	N	05-Jun-13	SO	SW9056A	NITROGEN, NITRATE (AS N)	0	MG/KG	5.1	
					NITROGEN, NITRITE	0	MG/KG	5.1	
					SULFATE (AS SO4)	54	MG/KG	51	J
SWMU73SB0324				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5300	
					2-METHYLNAPHTHALENE	0	NG/KG	5300	
					ACENAPHTHENE	0	NG/KG	5300	
					ACENAPHTHYLENE	0	NG/KG	5300	
					ANTHRACENE	0	NG/KG	5300	
					BENZO(a)ANTHRACENE	1200	NG/KG	5300	
					BENZO(a)PYRENE	900	NG/KG	5300	
					BENZO(b)FLUORANTHENE	1600	NG/KG	5300	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5300	
					BENZO(k)FLUORANTHENE	0	NG/KG	5300	
					CHRYSENE	1700	NG/KG	5300	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5300	
					FLUORANTHENE	2700	NG/KG	5300	
					FLUORENE	0	NG/KG	5300	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5300	
					NAPHTHALENE	0	NG/KG	5300	
					PHENANTHRENE	0	NG/KG	5300	
					PYRENE	2900	NG/KG	5300	
				D2216	MOISTURE, PERCENT	8.2	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	2.7	MG/KG	4.4	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.3	
				SW6010C	ALUMINUM	12000	MG/KG	47	
					CALCIUM	4700	MG/KG	95	
					IRON	8000	MG/KG	19	
					MAGNESIUM	4100	MG/KG	19	
					POTASSIUM	2800	MG/KG	280	
					SODIUM	150	MG/KG	470	
				SW6020A	ANTIMONY	0	UG/KG	190	
					ARSENIC	580	UG/KG	480	
					BARIUM	120000	UG/KG	240	
					BERYLLIUM	490	UG/KG	96	
					CADMIUM	29	UG/KG	96	
					CHROMIUM, TOTAL	6600	UG/KG	190	
					COBALT	2100	UG/KG	96	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0324	N	05-Jun-13	SO	SW6020A	COPPER	3800	UG/KG	2400	
					LEAD	4800	UG/KG	96	
					MANGANESE	56000	UG/KG	96	J
					NICKEL	7300	UG/KG	330	
					SELENIUM	300	UG/KG	480	
					SILVER	0	UG/KG	96	
					THALLIUM	80	UG/KG	96	
					VANADIUM	8800	UG/KG	480	J
					ZINC	12000	UG/KG	2400	
				SW7471	MERCURY	0	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.7	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					ALPHA ENDOSULFAN	0	UG/KG	1.7	
					ALPHA-CHLORDANE	0	UG/KG	1.7	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					BETA ENDOSULFAN	0	UG/KG	1.7	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					DIELDRIN	0	UG/KG	1.7	
					ENDOSULFAN SULFATE	0	UG/KG	1.7	
					ENDRIN	0	UG/KG	1.7	
					ENDRIN ALDEHYDE	0	UG/KG	1.7	
					ENDRIN KETONE	0	UG/KG	1.7	
					GAMMA BHC (LINDANE)	0	UG/KG	1.7	
					GAMMA-CHLORDANE	0	UG/KG	1.7	
					HEPTACHLOR	0	UG/KG	1.7	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.7	
					METHOXYCHLOR	0	UG/KG	3.4	
					p,p'-DDD	0	UG/KG	1.7	
					p,p'-DDE	0	UG/KG	1.7	
					p,p'-DDT	0	UG/KG	2	
					TOXAPHENE	0	UG/KG	170	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	34	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	34	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	34	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0324	N	05-Jun-13	SO	SW8082A	PCB-1242 (AROCHLOR 1242)	0	UG/KG	34	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	34	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	34	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	34	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	5.1	
					1,1,1-TRICHLOROETHANE	0	UG/KG	5.1	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	5.1	
					1,1,2-TRICHLOROETHANE	0	UG/KG	5.1	
					1,1-DICHLOROETHANE	0	UG/KG	5.1	
					1,1-DICHLOROETHENE	0	UG/KG	5.1	
					1,1-DICHLOROPROPENE	0	UG/KG	5.1	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	5.1	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	5.1	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	5.1	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	5.1	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	10	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	5.1	
					1,2-DICHLOROBENZENE	0	UG/KG	5.1	
					1,2-DICHLOROETHANE	0	UG/KG	5.1	
					1,2-DICHLOROPROPANE	0	UG/KG	5.1	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	5.1	
					1,3-DICHLOROBENZENE	0	UG/KG	5.1	
					1,3-DICHLOROPROPANE	0	UG/KG	5.1	
					1,4-DICHLOROBENZENE	0	UG/KG	5.1	
					2,2-DICHLOROPROPANE	0	UG/KG	5.1	
					2-CHLOROTOLUENE	0	UG/KG	5.1	
					2-HEXANONE	0	UG/KG	20	
					4-CHLOROTOLUENE	0	UG/KG	5.1	
					ACETONE	0	UG/KG	20	
					BENZENE	0	UG/KG	5.1	
					BROMOBENZENE	0	UG/KG	5.1	
					BROMOCHLOROMETHANE	0	UG/KG	5.1	
					BROMODICHLOROMETHANE	0	UG/KG	5.1	
					BROMOFORM	0	UG/KG	5.1	
					BROMOMETHANE	0	UG/KG	10	
					CARBON DISULFIDE	0	UG/KG	5.1	
					CARBON TETRACHLORIDE	0	UG/KG	5.1	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0324	N	05-Jun-13	SO	SW8260B	CHLOROBENZENE	0	UG/KG	5.1	
					CHLOROETHANE	0	UG/KG	10	
					CHLOROFORM	0	UG/KG	10	
					CHLOROMETHANE	0	UG/KG	10	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	5.1	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	5.1	
					DIBROMOCHLOROMETHANE	0	UG/KG	5.1	
					DIBROMOMETHANE	0	UG/KG	5.1	
					DICHLORODIFLUOROMETHANE	0	UG/KG	10	
					ETHYLBENZENE	0	UG/KG	5.1	
					HEXACHLOROBUTADIENE	0	UG/KG	5.1	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	5.1	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.3	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	20	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	20	
					METHYLENE CHLORIDE	0	UG/KG	5.1	
					NAPHTHALENE	0	UG/KG	5.1	
					n-BUTYLBENZENE	0	UG/KG	5.1	
					n-PROPYLBENZENE	0	UG/KG	5.1	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	5.1	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	5.1	
					SEC-BUTYLBENZENE	0	UG/KG	5.1	
					STYRENE	0	UG/KG	5.1	
					t-BUTYLBENZENE	0	UG/KG	5.1	
					tert-BUTYL METHYL ETHER	0	UG/KG	20	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	5.1	
					TOLUENE	0	UG/KG	5.1	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	5.1	
					trans-1,2-DICHLOROETHENE	0	UG/KG	5.1	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	5.1	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	5.1	
					TRICHLOROFLUOROMETHANE	0	UG/KG	10	
					VINYL CHLORIDE	0	UG/KG	5.1	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	350	
					1,2-DICHLOROBENZENE	0	UG/KG	350	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	350	
					1,3-DICHLOROBENZENE	0	UG/KG	350	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0324	N	05-Jun-13	SO	SW8270D	1,4-DICHLOROBENZENE	0	UG/KG	350	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	350	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	350	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	350	
					2,4-DICHLOROPHENOL	0	UG/KG	350	
					2,4-DIMETHYLPHENOL	0	UG/KG	350	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	350	
					2,6-DICHLOROPHENOL	0	UG/KG	350	
					2,6-DINITROTOLUENE	0	UG/KG	350	
					2-CHLORONAPHTHALENE	0	UG/KG	350	
					2-CHLOROPHENOL	0	UG/KG	350	
					2-METHYLNAPHTHALENE	0	UG/KG	350	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	350	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	350	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	350	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	350	
					4-CHLOROANILINE	0	UG/KG	350	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	350	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	350	
					ACENAPHTHYLENE	0	UG/KG	350	
					ANTHRACENE	0	UG/KG	350	
					BENZIDINE	0	UG/KG	4300	
					BENZO(a)ANTHRACENE	0	UG/KG	350	
					BENZO(a)PYRENE	0	UG/KG	350	
					BENZO(b)FLUORANTHENE	0	UG/KG	350	
					BENZO(g,h,i)PERYLENE	0	UG/KG	350	
					BENZO(k)FLUORANTHENE	0	UG/KG	350	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	350	
					BENZYL BUTYL PHTHALATE	0	UG/KG	350	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0324	N	05-Jun-13	SO	SW8270D	bis(2-CHLOROETHOXY) METHANE	0	UG/KG	350	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	350	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	350	
					CARBAZOLE	0	UG/KG	350	
					CHRYSENE	0	UG/KG	350	
					CRESOLS, m & p	0	UG/KG	350	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	350	
					DIBENZOFURAN	0	UG/KG	350	
					DIETHYL PHTHALATE	0	UG/KG	700	
					DIMETHYL PHTHALATE	0	UG/KG	350	
					DI-n-BUTYL PHTHALATE	0	UG/KG	350	
					DI-n-OCTYLPHTHALATE	0	UG/KG	350	
					FLUORANTHENE	0	UG/KG	350	
					FLUORENE	0	UG/KG	350	
					HEXACHLOROBENZENE	0	UG/KG	350	
					HEXACHLOROBUTADIENE	0	UG/KG	350	
					HEXACHLOROETHANE	0	UG/KG	350	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	350	
					ISOPHORONE	0	UG/KG	350	
					NAPHTHALENE	0	UG/KG	350	
					NITROBENZENE	0	UG/KG	350	
					N-NITROSODIMETHYLAMINE	0	UG/KG	550	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	350	
					N-NITROSODIPHENYLAMINE	0	UG/KG	350	
					N-NITROSOPYRROLIDINE	0	UG/KG	350	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	350	
					PHENOL	0	UG/KG	350	
					PYRENE	0	UG/KG	430	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.094	
					1,3-DINITROBENZENE	0	MG/KG	0.094	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.094	
					2,4-DINITROTOLUENE	0	MG/KG	0.094	
					2,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0324	N	05-Jun-13	SO	SW8330	4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.094	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.094	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	32	MG/KG	32	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.3	
					NITROGEN, NITRITE	0	MG/KG	5.3	
					SULFATE (AS SO4)	96	MG/KG	53	J
SWMU73SB0400				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5400	
					2-METHYLNAPHTHALENE	0	NG/KG	5400	
					ACENAPHTHENE	0	NG/KG	5400	
					ACENAPHTHYLENE	0	NG/KG	5400	
					ANTHRACENE	0	NG/KG	5400	
					BENZO(a)ANTHRACENE	0	NG/KG	5400	
					BENZO(a)PYRENE	0	NG/KG	5400	
					BENZO(b)FLUORANTHENE	0	NG/KG	5400	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5400	
					BENZO(k)FLUORANTHENE	0	NG/KG	5400	
					CHRYSENE	0	NG/KG	5400	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5400	
					FLUORANTHENE	0	NG/KG	5400	
					FLUORENE	0	NG/KG	5400	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5400	
					NAPHTHALENE	0	NG/KG	5400	
					PHENANTHRENE	0	NG/KG	5400	
					PYRENE	0	NG/KG	5400	
				D2216	MOISTURE, PERCENT	14	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	5.6	MG/KG	4.6	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.6	
				SW6010C	ALUMINUM	15000	MG/KG	51	
					CALCIUM	210000	MG/KG	1000	
					IRON	10000	MG/KG	20	
					MAGNESIUM	3900	MG/KG	20	
					POTASSIUM	3000	MG/KG	300	
					SODIUM	170	MG/KG	510	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0400	N	05-Jun-13	SO	SW6020A	ANTIMONY	0	UG/KG	210	
					ARSENIC	2700	UG/KG	530	
					BARIUM	180000	UG/KG	260	
					BERYLLIUM	790	UG/KG	110	
					CADMIUM	430	UG/KG	110	
					CHROMIUM, TOTAL	12000	UG/KG	210	
					COBALT	5200	UG/KG	110	
					COPPER	8900	UG/KG	2600	
					LEAD	8300	UG/KG	110	
					MANGANESE	340000	UG/KG	110	
					NICKEL	13000	UG/KG	370	
					SELENIUM	970	UG/KG	530	
					SILVER	31	UG/KG	110	
					THALLIUM	230	UG/KG	110	
					VANADIUM	26000	UG/KG	530	
					ZINC	29000	UG/KG	2600	
				SW7471	MERCURY	12	UG/KG	24	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0.72	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0.4	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.5	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0400	N	05-Jun-13	SO	SW8081A	p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0.48	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	35	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	35	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	35	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	35	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	35	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	35	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	35	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	7.4	
					1,1,1-TRICHLOROETHANE	0	UG/KG	7.4	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	7.4	
					1,1,2-TRICHLOROETHANE	0	UG/KG	7.4	
					1,1-DICHLOROETHANE	0	UG/KG	7.4	
					1,1-DICHLOROETHENE	0	UG/KG	7.4	
					1,1-DICHLOROPROPENE	0	UG/KG	7.4	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	7.4	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	7.4	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	7.4	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	7.4	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	15	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	7.4	
					1,2-DICHLOROBENZENE	0	UG/KG	7.4	
					1,2-DICHLOROETHANE	0	UG/KG	7.4	
					1,2-DICHLOROPROPANE	0	UG/KG	7.4	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	7.4	
					1,3-DICHLOROBENZENE	0	UG/KG	7.4	
					1,3-DICHLOROPROPANE	0	UG/KG	7.4	
					1,4-DICHLOROBENZENE	0	UG/KG	7.4	
					2,2-DICHLOROPROPANE	0	UG/KG	7.4	
					2-CHLOROTOLUENE	0	UG/KG	7.4	
					2-HEXANONE	0	UG/KG	30	
					4-CHLOROTOLUENE	0	UG/KG	7.4	
					ACETONE	0	UG/KG	30	
					BENZENE	0	UG/KG	7.4	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0400	N	05-Jun-13	SO	SW8260B	BROMOBENZENE	0	UG/KG	7.4	
					BROMOCHLOROMETHANE	0	UG/KG	7.4	
					BROMODICHLOROMETHANE	0	UG/KG	7.4	
					BROMOFORM	0	UG/KG	7.4	
					BROMOMETHANE	0	UG/KG	15	
					CARBON DISULFIDE	0	UG/KG	7.4	
					CARBON TETRACHLORIDE	0	UG/KG	7.4	
					CHLOROBENZENE	0	UG/KG	7.4	
					CHLOROETHANE	0	UG/KG	15	
					CHLOROFORM	0	UG/KG	15	
					CHLOROMETHANE	0	UG/KG	15	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	7.4	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	7.4	
					DIBROMOCHLOROMETHANE	0	UG/KG	7.4	
					DIBROMOMETHANE	0	UG/KG	7.4	
					DICHLORODIFLUOROMETHANE	0	UG/KG	15	
					ETHYLBENZENE	0	UG/KG	7.4	
					HEXACHLOROBUTADIENE	0	UG/KG	7.4	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	7.4	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	4.7	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	30	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	30	
					METHYLENE CHLORIDE	0	UG/KG	7.4	
					NAPHTHALENE	0	UG/KG	7.4	
					n-BUTYLBENZENE	0	UG/KG	7.4	
					n-PROPYLBENZENE	0	UG/KG	7.4	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	7.4	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	7.4	
					SEC-BUTYLBENZENE	0	UG/KG	7.4	
					STYRENE	0	UG/KG	7.4	
					t-BUTYLBENZENE	0	UG/KG	7.4	
					tert-BUTYL METHYL ETHER	0	UG/KG	30	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	7.4	
					TOLUENE	0	UG/KG	7.4	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	7.4	
					trans-1,2-DICHLOROETHENE	0	UG/KG	7.4	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	7.4	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0400	N	05-Jun-13	SO	SW8260B	TRICHLOROETHYLENE (TCE)	0	UG/KG	7.4	
					TRICHLOROFLUOROMETHANE	0	UG/KG	15	
					VINYL CHLORIDE	0	UG/KG	7.4	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	380	
					1,2-DICHLOROBENZENE	0	UG/KG	380	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	380	
					1,3-DICHLOROBENZENE	0	UG/KG	380	
					1,4-DICHLOROBENZENE	0	UG/KG	380	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	380	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	380	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	380	
					2,4-DICHLOROPHENOL	0	UG/KG	380	
					2,4-DIMETHYLPHENOL	0	UG/KG	380	
					2,4-DINITROPHENOL	0	UG/KG	1800	
					2,4-DINITROTOLUENE	0	UG/KG	380	
					2,6-DICHLOROPHENOL	0	UG/KG	380	
					2,6-DINITROTOLUENE	0	UG/KG	380	
					2-CHLORONAPHTHALENE	0	UG/KG	380	
					2-CHLOROPHENOL	0	UG/KG	380	
					2-METHYLNAPHTHALENE	0	UG/KG	380	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	380	
					2-NITROANILINE	0	UG/KG	1800	
					2-NITROPHENOL	0	UG/KG	380	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1800	
					3-NITROANILINE	0	UG/KG	1800	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1800	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	380	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	380	
					4-CHLOROANILINE	0	UG/KG	380	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	380	
					4-NITROANILINE	0	UG/KG	1800	
					4-NITROPHENOL	0	UG/KG	1800	
					ACENAPHTHENE	0	UG/KG	380	
					ACENAPHTHYLENE	0	UG/KG	380	
					ANTHRACENE	0	UG/KG	380	
					BENZIDINE	0	UG/KG	4600	
					BENZO(a)ANTHRACENE	0	UG/KG	380	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0400	N	05-Jun-13	SO	SW8270D	BENZO(a)PYRENE	0	UG/KG	380	
					BENZO(b)FLUORANTHENE	0	UG/KG	380	
					BENZO(g,h,i)PERYLENE	0	UG/KG	380	
					BENZO(k)FLUORANTHENE	0	UG/KG	380	
					BENZOIC ACID	0	UG/KG	1800	
					BENZYL ALCOHOL	0	UG/KG	380	
					BENZYL BUTYL PHTHALATE	0	UG/KG	380	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	380	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	380	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	380	
					CARBAZOLE	0	UG/KG	380	
					CHRYSENE	0	UG/KG	380	
					CRESOLS, m & p	0	UG/KG	380	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	380	
					DIBENZOFURAN	0	UG/KG	380	
					DIETHYL PHTHALATE	0	UG/KG	760	
					DIMETHYL PHTHALATE	0	UG/KG	380	
					DI-n-BUTYL PHTHALATE	0	UG/KG	380	
					DI-n-OCTYLPHTHALATE	0	UG/KG	380	
					FLUORANTHENE	0	UG/KG	380	
					FLUORENE	0	UG/KG	380	
					HEXACHLOROBENZENE	0	UG/KG	380	
					HEXACHLOROBUTADIENE	0	UG/KG	380	
					HEXACHLOROETHANE	0	UG/KG	380	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	380	
					ISOPHORONE	0	UG/KG	380	
					NAPHTHALENE	0	UG/KG	380	
					NITROBENZENE	0	UG/KG	380	
					N-NITROSODIMETHYLAMINE	0	UG/KG	600	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	380	
					N-NITROSODIPHENYLAMINE	0	UG/KG	380	
					N-NITROSOPYRROLIDINE	0	UG/KG	380	
					PENTACHLOROPHENOL	0	UG/KG	1800	
					PHENANTHRENE	0	UG/KG	380	
					PHENOL	0	UG/KG	380	
					PYRENE	0	UG/KG	460	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.095	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0400	N	05-Jun-13	SO	SW8330	1,3-DINITROBENZENE	0	MG/KG	0.095	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.095	
					2,4-DINITROTOLUENE	0	MG/KG	0.095	
					2,6-DINITROTOLUENE	0	MG/KG	0.095	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.095	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.095	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.095	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	34	
					NITROGEN, NITRATE (AS N)	1.4	MG/KG	5.7	
					NITROGEN, NITRITE	0	MG/KG	5.7	
					SULFATE (AS SO4)	60	MG/KG	57	
SWMU73SB0405				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5800	
					2-METHYLNAPHTHALENE	0	NG/KG	5800	
					ACENAPHTHENE	0	NG/KG	5800	
					ACENAPHTHYLENE	0	NG/KG	5800	
					ANTHRACENE	0	NG/KG	5800	
					BENZO(a)ANTHRACENE	0	NG/KG	5800	
					BENZO(a)PYRENE	0	NG/KG	5800	
					BENZO(b)FLUORANTHENE	0	NG/KG	5800	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5800	
					BENZO(k)FLUORANTHENE	0	NG/KG	5800	
					CHRYSENE	0	NG/KG	5800	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5800	
					FLUORANTHENE	0	NG/KG	5800	
					FLUORENE	0	NG/KG	5800	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5800	
					NAPHTHALENE	0	NG/KG	5800	
					PHENANTHRENE	1400	NG/KG	5800	
					PYRENE	0	NG/KG	5800	
				D2216	MOISTURE, PERCENT	14	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	2.5	MG/KG	4.5	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405	N	05-Jun-13	SO	M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.5	
				SW6010C	ALUMINUM	20000	MG/KG	55	
					CALCIUM	9500	MG/KG	110	J
					IRON	17000	MG/KG	22	
					MAGNESIUM	4300	MG/KG	22	
					POTASSIUM	4800	MG/KG	330	
					SODIUM	100	MG/KG	550	
				SW6020A	ANTIMONY	22	UG/KG	230	J
					ARSENIC	2300	UG/KG	570	
					BARIUM	110000	UG/KG	280	J
					BERYLLIUM	1100	UG/KG	110	
					CADMIUM	210	UG/KG	110	
					CHROMIUM, TOTAL	18000	UG/KG	230	
					COBALT	6000	UG/KG	110	
					COPPER	11000	UG/KG	2800	
					LEAD	12000	UG/KG	110	
					MANGANESE	130000	UG/KG	110	
					NICKEL	14000	UG/KG	400	
					SELENIUM	1300	UG/KG	570	
					SILVER	29	UG/KG	110	
					THALLIUM	250	UG/KG	110	
					VANADIUM	27000	UG/KG	570	
					ZINC	48000	UG/KG	2800	
				SW7471	MERCURY	0	UG/KG	21	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	12	
					ETHYLENE GLYCOL	0	MG/KG	12	
					PROPYLENE GLYCOL	0	MG/KG	12	
				SW8081A	ALDRIN	0	UG/KG	2	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2	
					ALPHA ENDOSULFAN	0	UG/KG	2	
					ALPHA-CHLORDANE	0	UG/KG	2	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2	
					BETA ENDOSULFAN	0	UG/KG	2	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2	
					DIELDRIN	0	UG/KG	2	
					ENDOSULFAN SULFATE	0	UG/KG	2	
					ENDRIN	0	UG/KG	2	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405	N	05-Jun-13	SO	SW8081A	ENDRIN ALDEHYDE	0	UG/KG	2	
					ENDRIN KETONE	0	UG/KG	2	
					GAMMA BHC (LINDANE)	0	UG/KG	2	
					GAMMA-CHLORDANE	0	UG/KG	2	
					HEPTACHLOR	0	UG/KG	2	
					HEPTACHLOR EPOXIDE	0	UG/KG	2	
					METHOXYCHLOR	0	UG/KG	3.8	
					p,p'-DDD	0	UG/KG	2	
					p,p'-DDE	0	UG/KG	2	
					p,p'-DDT	0	UG/KG	2.3	
					TOXAPHENE	0	UG/KG	200	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	38	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	38	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	38	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	38	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	38	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	38	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	38	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	5.3	
					1,1,1-TRICHLOROETHANE	0	UG/KG	5.3	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	5.3	
					1,1,2-TRICHLOROETHANE	0	UG/KG	5.3	
					1,1-DICHLOROETHANE	0	UG/KG	5.3	
					1,1-DICHLOROETHENE	0	UG/KG	5.3	
					1,1-DICHLOROPROPENE	0	UG/KG	5.3	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	5.3	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	5.3	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	5.3	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	5.3	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	11	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	5.3	
					1,2-DICHLOROBENZENE	0	UG/KG	5.3	
					1,2-DICHLOROETHANE	0	UG/KG	5.3	
					1,2-DICHLOROPROPANE	0	UG/KG	5.3	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	5.3	
					1,3-DICHLOROBENZENE	0	UG/KG	5.3	
					1,3-DICHLOROPROPANE	0	UG/KG	5.3	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405	N	05-Jun-13	SO	SW8260B	1,4-DICHLOROBENZENE	0	UG/KG	5.3	
					2,2-DICHLOROPROPANE	0	UG/KG	5.3	
					2-CHLOROTOLUENE	0	UG/KG	5.3	
					2-HEXANONE	0	UG/KG	21	
					4-CHLOROTOLUENE	0	UG/KG	5.3	
					ACETONE	0	UG/KG	21	
					BENZENE	0	UG/KG	5.3	
					BROMOBENZENE	0	UG/KG	5.3	
					BROMOCHLOROMETHANE	0	UG/KG	5.3	
					BROMODICHLOROMETHANE	0	UG/KG	5.3	
					BROMOFORM	0	UG/KG	5.3	
					BROMOMETHANE	0	UG/KG	11	
					CARBON DISULFIDE	0	UG/KG	5.3	
					CARBON TETRACHLORIDE	0	UG/KG	5.3	
					CHLOROBENZENE	0	UG/KG	5.3	
					CHLOROETHANE	0	UG/KG	11	
					CHLOROFORM	0	UG/KG	11	
					CHLOROMETHANE	0	UG/KG	11	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	5.3	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	5.3	
					DIBROMOCHLOROMETHANE	0	UG/KG	5.3	
					DIBROMOMETHANE	0	UG/KG	5.3	
					DICHLORODIFLUOROMETHANE	0	UG/KG	11	
					ETHYLBENZENE	0	UG/KG	5.3	
					HEXACHLOROBUTADIENE	0	UG/KG	5.3	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	5.3	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.4	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	21	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	21	
					METHYLENE CHLORIDE	0	UG/KG	5.3	
					NAPHTHALENE	0	UG/KG	5.3	
					n-BUTYLBENZENE	0	UG/KG	5.3	
					n-PROPYLBENZENE	0	UG/KG	5.3	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	5.3	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	5.3	
					SEC-BUTYLBENZENE	0	UG/KG	5.3	
					STYRENE	0	UG/KG	5.3	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405	N	05-Jun-13	SO	SW8260B	t-BUTYLBENZENE	0	UG/KG	5.3	
					tert-BUTYL METHYL ETHER	0	UG/KG	21	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	5.3	
					TOLUENE	0	UG/KG	5.3	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	5.3	
					trans-1,2-DICHLOROETHENE	0	UG/KG	5.3	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	5.3	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	5.3	
					TRICHLOROFLUOROMETHANE	0	UG/KG	11	
					VINYL CHLORIDE	0	UG/KG	5.3	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	370	
					1,2-DICHLOROBENZENE	0	UG/KG	370	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	370	
					1,3-DICHLOROBENZENE	0	UG/KG	370	
					1,4-DICHLOROBENZENE	0	UG/KG	370	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	370	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	370	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	370	
					2,4-DICHLOROPHENOL	0	UG/KG	370	
					2,4-DIMETHYLPHENOL	0	UG/KG	370	
					2,4-DINITROPHENOL	0	UG/KG	1800	
					2,4-DINITROTOLUENE	0	UG/KG	370	
					2,6-DICHLOROPHENOL	0	UG/KG	370	
					2,6-DINITROTOLUENE	0	UG/KG	370	
					2-CHLORONAPHTHALENE	0	UG/KG	370	
					2-CHLOROPHENOL	0	UG/KG	370	
					2-METHYLNAPHTHALENE	0	UG/KG	370	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	370	
					2-NITROANILINE	0	UG/KG	1800	
					2-NITROPHENOL	0	UG/KG	370	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1800	
					3-NITROANILINE	0	UG/KG	1800	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1800	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	370	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	370	
					4-CHLOROANILINE	0	UG/KG	370	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	370	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405	N	05-Jun-13	SO	SW8270D	4-NITROANILINE	0	UG/KG	1800	
					4-NITROPHENOL	0	UG/KG	1800	
					ACENAPHTHENE	0	UG/KG	370	
					ACENAPHTHYLENE	0	UG/KG	370	
					ANTHRACENE	0	UG/KG	370	
					BENZIDINE	0	UG/KG	4500	
					BENZO(a)ANTHRACENE	0	UG/KG	370	
					BENZO(a)PYRENE	0	UG/KG	370	
					BENZO(b)FLUORANTHENE	0	UG/KG	370	
					BENZO(g,h,i)PERYLENE	0	UG/KG	370	
					BENZO(k)FLUORANTHENE	0	UG/KG	370	
					BENZOIC ACID	0	UG/KG	1800	
					BENZYL ALCOHOL	0	UG/KG	370	
					BENZYL BUTYL PHTHALATE	0	UG/KG	370	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	370	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	370	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	370	
					CARBAZOLE	0	UG/KG	370	
					CHRYSENE	0	UG/KG	370	
					CRESOLS, m & p	0	UG/KG	370	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	370	
					DIBENZOFURAN	0	UG/KG	370	
					DIETHYL PHTHALATE	0	UG/KG	740	
					DIMETHYL PHTHALATE	0	UG/KG	370	
					DI-n-BUTYL PHTHALATE	0	UG/KG	370	
					DI-n-OCTYLPHTHALATE	0	UG/KG	370	
					FLUORANTHENE	0	UG/KG	370	
					FLUORENE	0	UG/KG	370	
					HEXACHLOROBENZENE	0	UG/KG	370	
					HEXACHLOROBUTADIENE	0	UG/KG	370	
					HEXACHLOROETHANE	0	UG/KG	370	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	370	
					ISOPHORONE	0	UG/KG	370	
					NAPHTHALENE	0	UG/KG	370	
					NITROBENZENE	0	UG/KG	370	
					N-NITROSODIMETHYLAMINE	0	UG/KG	580	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	370	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405	N	05-Jun-13	SO	SW8270D	N-NITROSODIPHENYLAMINE	0	UG/KG	370	
					N-NITROSOPYRROLIDINE	0	UG/KG	370	
					PENTACHLOROPHENOL	0	UG/KG	1800	
					PHENANTHRENE	0	UG/KG	370	
					PHENOL	0	UG/KG	370	
					PYRENE	0	UG/KG	450	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.099	
					1,3-DINITROBENZENE	0	MG/KG	0.099	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.099	
					2,4-DINITROTOLUENE	0	MG/KG	0.099	
					2,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.099	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.099	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	35	
					NITROGEN, NITRATE (AS N)	1.1	MG/KG	5.8	
					NITROGEN, NITRITE	0	MG/KG	5.8	
					SULFATE (AS SO4)	33	MG/KG	58	
SWMU73SB0405DFD	FD			BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5700	
					2-METHYLNAPHTHALENE	0	NG/KG	5700	
					ACENAPHTHENE	0	NG/KG	5700	
					ACENAPHTHYLENE	0	NG/KG	5700	
					ANTHRACENE	0	NG/KG	5700	
					BENZO(a)ANTHRACENE	0	NG/KG	5700	
					BENZO(a)PYRENE	0	NG/KG	5700	
					BENZO(b)FLUORANTHENE	0	NG/KG	5700	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5700	
					BENZO(k)FLUORANTHENE	0	NG/KG	5700	
					CHRYSENE	0	NG/KG	5700	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5700	
					FLUORANTHENE	0	NG/KG	5700	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405DFD	FD	05-Jun-13	SO	BNASIM	FLUORENE	0	NG/KG	5700	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5700	
					NAPHTHALENE	0	NG/KG	5700	
					PHENANTHRENE	0	NG/KG	5700	
					PYRENE	0	NG/KG	5700	
				D2216	MOISTURE, PERCENT	14	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	3.5	MG/KG	4.6	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.2	
				SW6010C	ALUMINUM	21000	MG/KG	52	
					CALCIUM	13000	MG/KG	100	J
					IRON	17000	MG/KG	21	
					MAGNESIUM	4400	MG/KG	21	
					POTASSIUM	4900	MG/KG	310	
					SODIUM	98	MG/KG	520	
				SW6020A	ANTIMONY	0	UG/KG	230	
					ARSENIC	2500	UG/KG	570	
					BARIUM	170000	UG/KG	290	J
					BERYLLIUM	1300	UG/KG	110	
					CADMIUM	350	UG/KG	110	
					CHROMIUM, TOTAL	20000	UG/KG	230	
					COBALT	7100	UG/KG	110	
					COPPER	12000	UG/KG	2900	
					LEAD	13000	UG/KG	110	
					MANGANESE	140000	UG/KG	110	
					NICKEL	16000	UG/KG	400	
					SELENIUM	1500	UG/KG	570	
					SILVER	27	UG/KG	110	
					THALLIUM	270	UG/KG	110	
					VANADIUM	30000	UG/KG	570	
					ZINC	53000	UG/KG	2900	
				SW7471	MERCURY	0	UG/KG	22	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.9	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.9	
					ALPHA ENDOSULFAN	0	UG/KG	1.9	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405DFD	FD	05-Jun-13	SO	SW8081A	ALPHA-CHLORDANE	0	UG/KG	1.9	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.9	
					BETA ENDOSULFAN	0	UG/KG	1.9	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.9	
					DIELDRIN	0	UG/KG	1.9	
					ENDOSULFAN SULFATE	0	UG/KG	1.9	
					ENDRIN	0	UG/KG	1.9	
					ENDRIN ALDEHYDE	0	UG/KG	1.9	
					ENDRIN KETONE	0	UG/KG	1.9	
					GAMMA BHC (LINDANE)	0	UG/KG	1.9	
					GAMMA-CHLORDANE	0	UG/KG	1.9	
					HEPTACHLOR	0	UG/KG	1.9	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.9	
					METHOXYCHLOR	0	UG/KG	3.6	
					p,p'-DDD	0	UG/KG	1.9	
					p,p'-DDE	0	UG/KG	1.9	
					p,p'-DDT	0	UG/KG	2.2	
					TOXAPHENE	0	UG/KG	190	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	36	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	36	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	36	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	36	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	36	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	36	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	36	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	5.2	
					1,1,1-TRICHLOROETHANE	0	UG/KG	5.2	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	5.2	
					1,1,2-TRICHLOROETHANE	0	UG/KG	5.2	
					1,1-DICHLOROETHANE	0	UG/KG	5.2	
					1,1-DICHLOROETHENE	0	UG/KG	5.2	
					1,1-DICHLOROPROPENE	0	UG/KG	5.2	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	5.2	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	5.2	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	5.2	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	5.2	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	10	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405DFD	FD	05-Jun-13	SO	SW8260B	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	5.2	
					1,2-DICHLOROBENZENE	0	UG/KG	5.2	
					1,2-DICHLOROETHANE	0	UG/KG	5.2	
					1,2-DICHLOROPROPANE	0	UG/KG	5.2	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	5.2	
					1,3-DICHLOROBENZENE	0	UG/KG	5.2	
					1,3-DICHLOROPROPANE	0	UG/KG	5.2	
					1,4-DICHLOROBENZENE	0	UG/KG	5.2	
					2,2-DICHLOROPROPANE	0	UG/KG	5.2	
					2-CHLOROTOLUENE	0	UG/KG	5.2	
					2-HEXANONE	0	UG/KG	21	
					4-CHLOROTOLUENE	0	UG/KG	5.2	
					ACETONE	0	UG/KG	21	
					BENZENE	0	UG/KG	5.2	
					BROMOBENZENE	0	UG/KG	5.2	
					BROMOCHLOROMETHANE	0	UG/KG	5.2	
					BROMODICHLOROMETHANE	0	UG/KG	5.2	
					BROMOFORM	0	UG/KG	5.2	
					BROMOMETHANE	0	UG/KG	10	
					CARBON DISULFIDE	0	UG/KG	5.2	
					CARBON TETRACHLORIDE	0	UG/KG	5.2	
					CHLOROBENZENE	0	UG/KG	5.2	
					CHLOROETHANE	0	UG/KG	10	
					CHLOROFORM	0	UG/KG	10	
					CHLOROMETHANE	0	UG/KG	10	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	5.2	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	5.2	
					DIBROMOCHLOROMETHANE	0	UG/KG	5.2	
					DIBROMOMETHANE	0	UG/KG	5.2	
					DICHLORODIFLUOROMETHANE	0	UG/KG	10	
					ETHYLBENZENE	0	UG/KG	5.2	
					HEXACHLOROBUTADIENE	0	UG/KG	5.2	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	5.2	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.3	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	21	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	21	
					METHYLENE CHLORIDE	0	UG/KG	5.2	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405DFD	FD	05-Jun-13	SO	SW8260B	NAPHTHALENE	0	UG/KG	5.2	
					n-BUTYLBENZENE	0	UG/KG	5.2	
					n-PROPYLBENZENE	0	UG/KG	5.2	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	5.2	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	5.2	
					SEC-BUTYLBENZENE	0	UG/KG	5.2	
					STYRENE	0	UG/KG	5.2	
					t-BUTYLBENZENE	0	UG/KG	5.2	
					tert-BUTYL METHYL ETHER	0	UG/KG	21	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	5.2	
					TOLUENE	0	UG/KG	5.2	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	5.2	
					trans-1,2-DICHLOROETHENE	0	UG/KG	5.2	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	5.2	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	5.2	
					TRICHLOROFLUOROMETHANE	0	UG/KG	10	
					VINYL CHLORIDE	0	UG/KG	5.2	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	360	
					1,2-DICHLOROBENZENE	0	UG/KG	360	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	360	
					1,3-DICHLOROBENZENE	0	UG/KG	360	
					1,4-DICHLOROBENZENE	0	UG/KG	360	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	360	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	360	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	360	
					2,4-DICHLOROPHENOL	0	UG/KG	360	
					2,4-DIMETHYLPHENOL	0	UG/KG	360	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	360	
					2,6-DICHLOROPHENOL	0	UG/KG	360	
					2,6-DINITROTOLUENE	0	UG/KG	360	
					2-CHLORONAPHTHALENE	0	UG/KG	360	
					2-CHLOROPHENOL	0	UG/KG	360	
					2-METHYLNAPHTHALENE	0	UG/KG	360	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	360	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	360	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405DFD	FD	05-Jun-13	SO	SW8270D	3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	360	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	360	
					4-CHLOROANILINE	0	UG/KG	360	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	360	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	360	
					ACENAPHTHYLENE	0	UG/KG	360	
					ANTHRACENE	0	UG/KG	360	
					BENZIDINE	0	UG/KG	4400	
					BENZO(a)ANTHRACENE	0	UG/KG	360	
					BENZO(a)PYRENE	0	UG/KG	360	
					BENZO(b)FLUORANTHENE	0	UG/KG	360	
					BENZO(g,h,i)PERYLENE	0	UG/KG	360	
					BENZO(k)FLUORANTHENE	0	UG/KG	360	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	360	
					BENZYL BUTYL PHTHALATE	0	UG/KG	360	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	360	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	360	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	360	
					CARBAZOLE	0	UG/KG	360	
					CHRYSENE	0	UG/KG	360	
					CRESOLS, m & p	0	UG/KG	360	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	360	
					DIBENZOFURAN	0	UG/KG	360	
					DIETHYL PHTHALATE	0	UG/KG	720	
					DIMETHYL PHTHALATE	0	UG/KG	360	
					DI-n-BUTYL PHTHALATE	0	UG/KG	360	
					DI-n-OCTYLPHTHALATE	0	UG/KG	360	
					FLUORANTHENE	0	UG/KG	360	
					FLUORENE	0	UG/KG	360	
					HEXACHLOROBENZENE	0	UG/KG	360	
					HEXACHLOROBUTADIENE	0	UG/KG	360	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0405DFD	FD	05-Jun-13	SO	SW8270D	HEXACHLOROETHANE	0	UG/KG	360	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	360	
					ISOPHORONE	0	UG/KG	360	
					NAPHTHALENE	0	UG/KG	360	
					NITROBENZENE	0	UG/KG	360	
					N-NITROSODIMETHYLAMINE	0	UG/KG	570	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	360	
					N-NITROSODIPHENYLAMINE	0	UG/KG	360	
					N-NITROSOPYRROLIDINE	0	UG/KG	360	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	360	
					PHENOL	0	UG/KG	360	
					PYRENE	0	UG/KG	440	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.099	
					1,3-DINITROBENZENE	0	MG/KG	0.099	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.099	
					2,4-DINITROTOLUENE	0	MG/KG	0.099	
					2,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.099	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.099	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	35	
					NITROGEN, NITRATE (AS N)	1.2	MG/KG	5.8	
					NITROGEN, NITRITE	0	MG/KG	5.8	
					SULFATE (AS SO4)	41	MG/KG	58	
SWMU73SB0411	N			BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5500	
					2-METHYLNAPHTHALENE	0	NG/KG	5500	
					ACENAPHTHENE	0	NG/KG	5500	
					ACENAPHTHYLENE	0	NG/KG	5500	
					ANTHRACENE	0	NG/KG	5500	
					BENZO(a)ANTHRACENE	0	NG/KG	5500	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0411	N	05-Jun-13	SO	BNASIM	BENZO(a)PYRENE	0	NG/KG	5500	
					BENZO(b)FLUORANTHENE	0	NG/KG	5500	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5500	
					BENZO(k)FLUORANTHENE	0	NG/KG	5500	
					CHRYSENE	0	NG/KG	5500	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5500	
					FLUORANTHENE	1500	NG/KG	5500	
					FLUORENE	0	NG/KG	5500	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5500	
					NAPHTHALENE	0	NG/KG	5500	
					PHENANTHRENE	1200	NG/KG	5500	
					PYRENE	1300	NG/KG	5500	
				D2216	MOISTURE, PERCENT	10	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	4.3	MG/KG	4.4	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.2	
				SW6010C	ALUMINUM	12000	MG/KG	48	
					CALCIUM	14000	MG/KG	95	
					IRON	8400	MG/KG	19	
					MAGNESIUM	3100	MG/KG	19	
					POTASSIUM	2500	MG/KG	290	
					SODIUM	83	MG/KG	480	
				SW6020A	ANTIMONY	0	UG/KG	200	
					ARSENIC	2100	UG/KG	510	
					BARIUM	52000	UG/KG	250	
					BERYLLIUM	890	UG/KG	100	
					CADMIUM	220	UG/KG	100	
					CHROMIUM, TOTAL	9600	UG/KG	200	
					COBALT	3300	UG/KG	100	
					COPPER	6900	UG/KG	2500	
					LEAD	7800	UG/KG	100	
					MANGANESE	97000	UG/KG	100	
					NICKEL	8900	UG/KG	360	
					SELENIUM	970	UG/KG	510	
					SILVER	28	UG/KG	100	
					THALLIUM	160	UG/KG	100	
					VANADIUM	16000	UG/KG	510	
					ZINC	25000	UG/KG	2500	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0411	N	05-Jun-13	SO	SW7471	MERCURY	0	UG/KG	19	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.5	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	35	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	35	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	35	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	35	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	35	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	35	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	35	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	6.1	
					1,1,1-TRICHLOROETHANE	0	UG/KG	6.1	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	6.1	
					1,1,2-TRICHLOROETHANE	0	UG/KG	6.1	
					1,1-DICHLOROETHANE	0	UG/KG	6.1	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0411	N	05-Jun-13	SO	SW8260B	1,1-DICHLOROETHENE	0	UG/KG	6.1	
					1,1-DICHLOROPROPENE	0	UG/KG	6.1	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	6.1	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	6.1	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	6.1	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	6.1	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	12	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	6.1	
					1,2-DICHLOROBENZENE	0	UG/KG	6.1	
					1,2-DICHLOROETHANE	0	UG/KG	6.1	
					1,2-DICHLOROPROPANE	0	UG/KG	6.1	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	6.1	
					1,3-DICHLOROBENZENE	0	UG/KG	6.1	
					1,3-DICHLOROPROPANE	0	UG/KG	6.1	
					1,4-DICHLOROBENZENE	0	UG/KG	6.1	
					2,2-DICHLOROPROPANE	0	UG/KG	6.1	
					2-CHLOROTOLUENE	0	UG/KG	6.1	
					2-HEXANONE	0	UG/KG	24	
					4-CHLOROTOLUENE	0	UG/KG	6.1	
					ACETONE	0	UG/KG	24	
					BENZENE	0	UG/KG	6.1	
					BROMOBENZENE	0	UG/KG	6.1	
					BROMOCHLOROMETHANE	0	UG/KG	6.1	
					BROMODICHLOROMETHANE	0	UG/KG	6.1	
					BROMOFORM	0	UG/KG	6.1	
					BROMOMETHANE	0	UG/KG	12	
					CARBON DISULFIDE	0	UG/KG	6.1	
					CARBON TETRACHLORIDE	0	UG/KG	6.1	
					CHLOROBENZENE	0	UG/KG	6.1	
					CHLOROETHANE	0	UG/KG	12	
					CHLOROFORM	0	UG/KG	12	
					CHLOROMETHANE	0	UG/KG	12	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	6.1	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	6.1	
					DIBROMOCHLOROMETHANE	0	UG/KG	6.1	
					DIBROMOMETHANE	0	UG/KG	6.1	
					DICHLORODIFLUOROMETHANE	0	UG/KG	12	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0411	N	05-Jun-13	SO	SW8260B	ETHYLBENZENE	0	UG/KG	6.1	
					HEXACHLOROBUTADIENE	0	UG/KG	6.1	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	6.1	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.9	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	24	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	24	
					METHYLENE CHLORIDE	0	UG/KG	6.1	
					NAPHTHALENE	0	UG/KG	6.1	
					n-BUTYLBENZENE	0	UG/KG	6.1	
					n-PROPYLBENZENE	0	UG/KG	6.1	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	6.1	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	6.1	
					SEC-BUTYLBENZENE	0	UG/KG	6.1	
					STYRENE	0	UG/KG	6.1	
					t-BUTYLBENZENE	0	UG/KG	6.1	
					tert-BUTYL METHYL ETHER	0	UG/KG	24	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	6.1	
					TOLUENE	0	UG/KG	6.1	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	6.1	
					trans-1,2-DICHLOROETHENE	0	UG/KG	6.1	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	6.1	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	6.1	
					TRICHLOROFLUOROMETHANE	0	UG/KG	12	
					VINYL CHLORIDE	0	UG/KG	6.1	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	370	
					1,2-DICHLOROBENZENE	0	UG/KG	370	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	370	
					1,3-DICHLOROBENZENE	0	UG/KG	370	
					1,4-DICHLOROBENZENE	0	UG/KG	370	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	370	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	370	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	370	
					2,4-DICHLOROPHENOL	0	UG/KG	370	
					2,4-DIMETHYLPHENOL	0	UG/KG	370	
					2,4-DINITROPHENOL	0	UG/KG	1800	
					2,4-DINITROTOLUENE	0	UG/KG	370	
					2,6-DICHLOROPHENOL	0	UG/KG	370	

Data Flag:

J Value considered estimated data **U Non-detect data**
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0411	N	05-Jun-13	SO	SW8270D	2,6-DINITROTOLUENE	0	UG/KG	370	
					2-CHLORONAPHTHALENE	0	UG/KG	370	
					2-CHLOROPHENOL	0	UG/KG	370	
					2-METHYLNAPHTHALENE	0	UG/KG	370	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	370	
					2-NITROANILINE	0	UG/KG	1800	
					2-NITROPHENOL	0	UG/KG	370	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1800	
					3-NITROANILINE	0	UG/KG	1800	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1800	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	370	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	370	
					4-CHLOROANILINE	0	UG/KG	370	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	370	
					4-NITROANILINE	0	UG/KG	1800	
					4-NITROPHENOL	0	UG/KG	1800	
					ACENAPHTHENE	0	UG/KG	370	
					ACENAPHTHYLENE	0	UG/KG	370	
					ANTHRACENE	0	UG/KG	370	
					BENZIDINE	0	UG/KG	4500	
					BENZO(a)ANTHRACENE	0	UG/KG	370	
					BENZO(a)PYRENE	0	UG/KG	370	
					BENZO(b)FLUORANTHENE	0	UG/KG	370	
					BENZO(g,h,i)PERYLENE	0	UG/KG	370	
					BENZO(k)FLUORANTHENE	0	UG/KG	370	
					BENZOIC ACID	0	UG/KG	1800	
					BENZYL ALCOHOL	0	UG/KG	370	
					BENZYL BUTYL PHTHALATE	0	UG/KG	370	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	370	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	370	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	370	
					CARBAZOLE	0	UG/KG	370	
					CHRYSENE	0	UG/KG	370	
					CRESOLS, m & p	0	UG/KG	370	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	370	
					DIBENZOFURAN	0	UG/KG	370	
					DIETHYL PHTHALATE	0	UG/KG	730	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0411	N	05-Jun-13	SO	SW8270D	DIMETHYL PHTHALATE	0	UG/KG	370	
					DI-n-BUTYL PHTHALATE	0	UG/KG	370	
					DI-n-OCTYLPHTHALATE	0	UG/KG	370	
					FLUORANTHENE	0	UG/KG	370	
					FLUORENE	0	UG/KG	370	
					HEXACHLOROBENZENE	0	UG/KG	370	
					HEXACHLOROBUTADIENE	0	UG/KG	370	
					HEXACHLOROETHANE	0	UG/KG	370	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	370	
					ISOPHORONE	0	UG/KG	370	
					NAPHTHALENE	0	UG/KG	370	
					NITROBENZENE	0	UG/KG	370	
					N-NITROSODIMETHYLAMINE	0	UG/KG	580	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	370	
					N-NITROSODIPHENYLAMINE	0	UG/KG	370	
					N-NITROSOPYRROLIDINE	0	UG/KG	370	
					PENTACHLOROPHENOL	0	UG/KG	1800	
					PHENANTHRENE	0	UG/KG	370	
					PHENOL	0	UG/KG	370	
					PYRENE	0	UG/KG	450	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.099	
					1,3-DINITROBENZENE	0	MG/KG	0.099	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.099	
					2,4-DINITROTOLUENE	0	MG/KG	0.099	
					2,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.099	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.099	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.3	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.099	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	33	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.4	
					NITROGEN, NITRITE	0	MG/KG	5.4	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0411	N	05-Jun-13	SO	SW9056A	SULFATE (AS SO4)	32	MG/KG	54	
SWMU73SB0500				BNASIM	1-METHYLNAPHTHALENE	4600	NG/KG	32000	
					2-METHYLNAPHTHALENE	4700	NG/KG	32000	
					ACENAPHTHENE	40000	NG/KG	32000	
					ACENAPHTHYLENE	4600	NG/KG	32000	
					ANTHRACENE	53000	NG/KG	32000	
					BENZO(a)ANTHRACENE	220000	NG/KG	32000	
					BENZO(a)PYRENE	210000	NG/KG	32000	
					BENZO(b)FLUORANTHENE	290000	NG/KG	32000	
					BENZO(g,h,i)PERYLENE	200000	NG/KG	32000	
					BENZO(k)FLUORANTHENE	110000	NG/KG	32000	
					CHRYSENE	270000	NG/KG	32000	
					DIBENZ(a,h)ANTHRACENE	46000	NG/KG	32000	
					FLUORANTHENE	560000	NG/KG	32000	
					FLUORENE	27000	NG/KG	32000	
					INDENO(1,2,3-c,d)PYRENE	210000	NG/KG	32000	
					NAPHTHALENE	6400	NG/KG	32000	
					PHENANTHRENE	270000	NG/KG	32000	
					PYRENE	520000	NG/KG	32000	
				D2216	MOISTURE, PERCENT	21	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	39	MG/KG	5	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.2	
				SW6010C	ALUMINUM	23000	MG/KG	60	
					CALCIUM	3400	MG/KG	120	
					IRON	18000	MG/KG	24	
					MAGNESIUM	3900	MG/KG	24	
					POTASSIUM	4600	MG/KG	360	
					SODIUM	240	MG/KG	600	
				SW6020A	ANTIMONY	0	UG/KG	220	
					ARSENIC	3100	UG/KG	550	
					BARIUM	150000	UG/KG	280	
					BERYLLIUM	1400	UG/KG	110	
					CADMIUM	500	UG/KG	110	
					CHROMIUM, TOTAL	22000	UG/KG	220	
					COBALT	7200	UG/KG	110	
					COPPER	37000	UG/KG	2800	
					LEAD	32000	UG/KG	110	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0500	N	05-Jun-13	SO	SW6020A	MANGANESE	230000	UG/KG	110	
					NICKEL	17000	UG/KG	390	
					SELENIUM	2100	UG/KG	550	
					SILVER	81	UG/KG	110	
					THALLIUM	300	UG/KG	110	
					VANADIUM	31000	UG/KG	550	
					ZINC	69000	UG/KG	2800	
				SW7471	MERCURY	12	UG/KG	25	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	310	
					ETHYLENE GLYCOL	0	MG/KG	120	
					PROPYLENE GLYCOL	0	MG/KG	120	
				SW8081A	ALDRIN	0	UG/KG	2.1	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2.1	
					ALPHA ENDOSULFAN	0	UG/KG	2.1	
					ALPHA-CHLORDANE	57	UG/KG	42	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2.1	
					BETA ENDOSULFAN	0	UG/KG	2.1	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	2.1	
					DIELDRIN	0	UG/KG	2.1	
					ENDOSULFAN SULFATE	0	UG/KG	2.1	
					ENDRIN	0	UG/KG	2.1	
					ENDRIN ALDEHYDE	0	UG/KG	2.1	
					ENDRIN KETONE	0	UG/KG	2.1	
					GAMMA BHC (LINDANE)	0	UG/KG	2.1	
					GAMMA-CHLORDANE	60	UG/KG	42	
					HEPTACHLOR	0	UG/KG	2.1	
					HEPTACHLOR EPOXIDE	0	UG/KG	2.1	
					METHOXYCHLOR	0	UG/KG	4.1	
					p,p'-DDD	490	UG/KG	42	
					p,p'-DDE	180	UG/KG	42	
					p,p'-DDT	16	UG/KG	2.5	
					TOXAPHENE	0	UG/KG	210	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	41	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	41	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	41	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	41	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	41	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0500	N	05-Jun-13	SO	SW8082A	PCB-1254 (AROCHLOR 1254)	0	UG/KG	41	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	41	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	6	
					1,1,1-TRICHLOROETHANE	0	UG/KG	6	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	6	
					1,1,2-TRICHLOROETHANE	0	UG/KG	6	
					1,1-DICHLOROETHANE	0	UG/KG	6	
					1,1-DICHLOROETHENE	0	UG/KG	6	
					1,1-DICHLOROPROPENE	0	UG/KG	6	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	6	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	6	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	6	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	6	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	12	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	6	
					1,2-DICHLOROBENZENE	0	UG/KG	6	
					1,2-DICHLOROETHANE	0	UG/KG	6	
					1,2-DICHLOROPROPANE	0	UG/KG	6	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	6	
					1,3-DICHLOROBENZENE	0	UG/KG	6	
					1,3-DICHLOROPROPANE	0	UG/KG	6	
					1,4-DICHLOROBENZENE	0	UG/KG	6	
					2,2-DICHLOROPROPANE	0	UG/KG	6	
					2-CHLOROTOLUENE	0	UG/KG	6	
					2-HEXANONE	0	UG/KG	24	
					4-CHLOROTOLUENE	0	UG/KG	6	
					ACETONE	0	UG/KG	24	
					BENZENE	0	UG/KG	6	
					BROMOBENZENE	0	UG/KG	6	
					BROMOCHLOROMETHANE	0	UG/KG	6	
					BROMODICHLOROMETHANE	0	UG/KG	6	
					BROMOFORM	0	UG/KG	6	
					BROMOMETHANE	0	UG/KG	12	
					CARBON DISULFIDE	0	UG/KG	6	
					CARBON TETRACHLORIDE	0	UG/KG	6	
					CHLOROBENZENE	0	UG/KG	6	
					CHLOROETHANE	0	UG/KG	12	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0500	N	05-Jun-13	SO	SW8260B	CHLOROFORM	0	UG/KG	12	
					CHLOROMETHANE	0	UG/KG	12	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	6	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	6	
					DIBROMOCHLOROMETHANE	0	UG/KG	6	
					DIBROMOMETHANE	0	UG/KG	6	
					DICHLORODIFLUOROMETHANE	0	UG/KG	12	
					ETHYLBENZENE	0	UG/KG	6	
					HEXACHLOROBUTADIENE	0	UG/KG	6	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	6	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.8	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	24	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	24	
					METHYLENE CHLORIDE	0	UG/KG	6	
					NAPHTHALENE	0	UG/KG	6	
					n-BUTYLBENZENE	0	UG/KG	6	
					n-PROPYLBENZENE	0	UG/KG	6	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	6	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	6	
					SEC-BUTYLBENZENE	0	UG/KG	6	
					STYRENE	0	UG/KG	6	
					t-BUTYLBENZENE	0	UG/KG	6	
					tert-BUTYL METHYL ETHER	0	UG/KG	24	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	6	
					TOLUENE	0	UG/KG	6	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	6	
					trans-1,2-DICHLOROETHENE	0	UG/KG	6	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	6	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	6	
					TRICHLOROFLUOROMETHANE	0	UG/KG	12	
					VINYL CHLORIDE	0	UG/KG	6	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	410	
					1,2-DICHLOROBENZENE	0	UG/KG	410	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	410	
					1,3-DICHLOROBENZENE	0	UG/KG	410	
					1,4-DICHLOROBENZENE	0	UG/KG	410	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	410	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0500	N	05-Jun-13	SO	SW8270D	2,4,5-TRICHLOROPHENOL	0	UG/KG	410	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	410	
					2,4-DICHLOROPHENOL	0	UG/KG	410	
					2,4-DIMETHYLPHENOL	0	UG/KG	410	
					2,4-DINITROPHENOL	0	UG/KG	2000	
					2,4-DINITROTOLUENE	0	UG/KG	410	
					2,6-DICHLOROPHENOL	0	UG/KG	410	
					2,6-DINITROTOLUENE	0	UG/KG	410	
					2-CHLORONAPHTHALENE	0	UG/KG	410	
					2-CHLOROPHENOL	0	UG/KG	410	
					2-METHYLNAPHTHALENE	0	UG/KG	410	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	410	
					2-NITROANILINE	0	UG/KG	2000	
					2-NITROPHENOL	0	UG/KG	410	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	2000	
					3-NITROANILINE	0	UG/KG	2000	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	2000	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	410	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	410	
					4-CHLOROANILINE	0	UG/KG	410	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	410	
					4-NITROANILINE	0	UG/KG	2000	
					4-NITROPHENOL	0	UG/KG	2000	
					ACENAPHTHENE	17	UG/KG	410	
					ACENAPHTHYLENE	0	UG/KG	410	
					ANTHRACENE	24	UG/KG	410	
					BENZIDINE	0	UG/KG	5000	
					BENZO(a)ANTHRACENE	110	UG/KG	410	
					BENZO(a)PYRENE	120	UG/KG	410	
					BENZO(b)FLUORANTHENE	160	UG/KG	410	
					BENZO(g,h,i)PERYLENE	110	UG/KG	410	
					BENZO(k)FLUORANTHENE	61	UG/KG	410	
					BENZOIC ACID	0	UG/KG	2000	
					BENZYL ALCOHOL	0	UG/KG	410	
					BENZYL BUTYL PHTHALATE	0	UG/KG	410	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	410	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	410	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0500	N	05-Jun-13	SO	SW8270D	bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	410	
					CARBAZOLE	0	UG/KG	410	
					CHRYSENE	130	UG/KG	410	
					CRESOLS, m & p	0	UG/KG	410	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	410	
					DIBENZOFURAN	0	UG/KG	410	
					DIETHYL PHTHALATE	0	UG/KG	820	
					DIMETHYL PHTHALATE	0	UG/KG	410	
					DI-n-BUTYL PHTHALATE	0	UG/KG	410	
					DI-n-OCTYLPHTHALATE	0	UG/KG	410	
					FLUORANTHENE	310	UG/KG	410	
					FLUORENE	0	UG/KG	410	
					HEXACHLOROBENZENE	0	UG/KG	410	
					HEXACHLOROBUTADIENE	0	UG/KG	410	
					HEXACHLOROETHANE	0	UG/KG	410	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	410	
					ISOPHORONE	0	UG/KG	410	
					NAPHTHALENE	0	UG/KG	410	
					NITROBENZENE	0	UG/KG	410	
					N-NITROSODIMETHYLAMINE	0	UG/KG	640	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	410	
					N-NITROSODIPHENYLAMINE	0	UG/KG	410	
					N-NITROSOPYRROLIDINE	0	UG/KG	410	
					PENTACHLOROPHENOL	0	UG/KG	2000	
					PHENANTHRENE	130	UG/KG	410	
					PHENOL	0	UG/KG	410	
					PYRENE	280	UG/KG	500	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.093	
					1,3-DINITROBENZENE	0	MG/KG	0.093	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.093	
					2,4-DINITROTOLUENE	0	MG/KG	0.093	
					2,6-DINITROTOLUENE	0	MG/KG	0.093	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.093	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.093	
					4-NITROTOLUENE	0	MG/KG	0.19	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0500	N	05-Jun-13	SO	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.093	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	47	MG/KG	38	
					NITROGEN, NITRATE (AS N)	8.8	MG/KG	6.3	
					NITROGEN, NITRITE	0	MG/KG	6.3	
					SULFATE (AS SO4)	100	MG/KG	63	
SWMU73SB0505				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5200	
					2-METHYLNAPHTHALENE	0	NG/KG	5200	
					ACENAPHTHENE	0	NG/KG	5200	
					ACENAPHTHYLENE	0	NG/KG	5200	
					ANTHRACENE	0	NG/KG	5200	
					BENZO(a)ANTHRACENE	0	NG/KG	5200	
					BENZO(a)PYRENE	0	NG/KG	5200	
					BENZO(b)FLUORANTHENE	0	NG/KG	5200	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5200	
					BENZO(k)FLUORANTHENE	0	NG/KG	5200	
					CHRYSENE	0	NG/KG	5200	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5200	
					FLUORANTHENE	0	NG/KG	5200	
					FLUORENE	0	NG/KG	5200	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5200	
					NAPHTHALENE	0	NG/KG	5200	
					PHENANTHRENE	0	NG/KG	5200	
					PYRENE	0	NG/KG	5200	
				D2216	MOISTURE, PERCENT	8.6	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	3.4	MG/KG	4.3	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.2	
				SW6010C	ALUMINUM	8300	MG/KG	46	
					CALCIUM	1800	MG/KG	92	
					IRON	10000	MG/KG	18	
					MAGNESIUM	1400	MG/KG	18	
					POTASSIUM	1900	MG/KG	280	
					SODIUM	0	MG/KG	460	
				SW6020A	ANTIMONY	0	UG/KG	210	
					ARSENIC	1900	UG/KG	530	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0505	N	05-Jun-13	SO	SW6020A	BARIUM	68000	UG/KG	270	
					BERYLLIUM	520	UG/KG	110	
					CADMIUM	190	UG/KG	110	
					CHROMIUM, TOTAL	9200	UG/KG	210	
					COBALT	2600	UG/KG	110	
					COPPER	6300	UG/KG	2700	
					LEAD	5700	UG/KG	110	
					MANGANESE	180000	UG/KG	110	
					NICKEL	6900	UG/KG	370	
					SELENIUM	810	UG/KG	530	
					SILVER	31	UG/KG	110	
					THALLIUM	120	UG/KG	110	
					VANADIUM	12000	UG/KG	530	
					ZINC	29000	UG/KG	2700	
				SW7471	MERCURY	0	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	11	
					ETHYLENE GLYCOL	0	MG/KG	11	
					PROPYLENE GLYCOL	0	MG/KG	11	
				SW8081A	ALDRIN	0	UG/KG	1.7	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					ALPHA ENDOSULFAN	0	UG/KG	1.7	
					ALPHA-CHLORDANE	0	UG/KG	1.7	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					BETA ENDOSULFAN	0	UG/KG	1.7	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.7	
					DIELDRIN	0	UG/KG	1.7	
					ENDOSULFAN SULFATE	0	UG/KG	1.7	
					ENDRIN	0	UG/KG	1.7	
					ENDRIN ALDEHYDE	0	UG/KG	1.7	
					ENDRIN KETONE	0	UG/KG	1.7	
					GAMMA BHC (LINDANE)	0	UG/KG	1.7	
					GAMMA-CHLORDANE	0	UG/KG	1.7	
					HEPTACHLOR	0	UG/KG	1.7	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.7	
					METHOXYCHLOR	0	UG/KG	3.3	
					p,p'-DDD	0	UG/KG	1.7	
					p,p'-DDE	0	UG/KG	1.7	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0505	N	05-Jun-13	SO	SW8081A	p,p'-DDT	0	UG/KG	2	
					TOXAPHENE	0	UG/KG	170	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	33	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	33	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	33	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	33	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	33	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	33	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	33	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	6.1	
					1,1,1-TRICHLOROETHANE	0	UG/KG	6.1	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	6.1	
					1,1,2-TRICHLOROETHANE	0	UG/KG	6.1	
					1,1-DICHLOROETHANE	0	UG/KG	6.1	
					1,1-DICHLOROETHENE	0	UG/KG	6.1	
					1,1-DICHLOROPROPENE	0	UG/KG	6.1	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	6.1	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	6.1	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	6.1	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	6.1	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	12	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	6.1	
					1,2-DICHLOROBENZENE	0	UG/KG	6.1	
					1,2-DICHLOROETHANE	0	UG/KG	6.1	
					1,2-DICHLOROPROPANE	0	UG/KG	6.1	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	6.1	
					1,3-DICHLOROBENZENE	0	UG/KG	6.1	
					1,3-DICHLOROPROPANE	0	UG/KG	6.1	
					1,4-DICHLOROBENZENE	0	UG/KG	6.1	
					2,2-DICHLOROPROPANE	0	UG/KG	6.1	
					2-CHLOROTOLUENE	0	UG/KG	6.1	
					2-HEXANONE	0	UG/KG	24	
					4-CHLOROTOLUENE	0	UG/KG	6.1	
					ACETONE	0	UG/KG	24	
					BENZENE	0	UG/KG	6.1	
					BROMOBENZENE	0	UG/KG	6.1	
					BROMOCHLOROMETHANE	0	UG/KG	6.1	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0505	N	05-Jun-13	SO	SW8260B	BROMODICHLOROMETHANE	0	UG/KG	6.1	
					BROMOFORM	0	UG/KG	6.1	
					BROMOMETHANE	0	UG/KG	12	
					CARBON DISULFIDE	0	UG/KG	6.1	
					CARBON TETRACHLORIDE	0	UG/KG	6.1	
					CHLOROBENZENE	0	UG/KG	6.1	
					CHLOROETHANE	0	UG/KG	12	
					CHLOROFORM	0	UG/KG	12	
					CHLOROMETHANE	0	UG/KG	12	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	6.1	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	6.1	
					DIBROMOCHLOROMETHANE	0	UG/KG	6.1	
					DIBROMOMETHANE	0	UG/KG	6.1	
					DICHLORODIFLUOROMETHANE	0	UG/KG	12	
					ETHYLBENZENE	0	UG/KG	6.1	
					HEXACHLOROBUTADIENE	0	UG/KG	6.1	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	6.1	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.9	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	24	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	24	
					METHYLENE CHLORIDE	0	UG/KG	6.1	
					NAPHTHALENE	0	UG/KG	6.1	
					n-BUTYLBENZENE	0	UG/KG	6.1	
					n-PROPYLBENZENE	0	UG/KG	6.1	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	6.1	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	6.1	
					SEC-BUTYLBENZENE	0	UG/KG	6.1	
					STYRENE	0	UG/KG	6.1	
					t-BUTYLBENZENE	0	UG/KG	6.1	
					tert-BUTYL METHYL ETHER	0	UG/KG	24	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	6.1	
					TOLUENE	0	UG/KG	6.1	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	6.1	
					trans-1,2-DICHLOROETHENE	0	UG/KG	6.1	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	6.1	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	6.1	
					TRICHLOROFLUOROMETHANE	0	UG/KG	12	

Data Flag:

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0505	N	05-Jun-13	SO	SW8260B	VINYL CHLORIDE	0	UG/KG	6.1	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	340	
					1,2-DICHLOROBENZENE	0	UG/KG	340	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	340	
					1,3-DICHLOROBENZENE	0	UG/KG	340	
					1,4-DICHLOROBENZENE	0	UG/KG	340	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	340	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	340	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	340	
					2,4-DICHLOROPHENOL	0	UG/KG	340	
					2,4-DIMETHYLPHENOL	0	UG/KG	340	
					2,4-DINITROPHENOL	0	UG/KG	1600	
					2,4-DINITROTOLUENE	0	UG/KG	340	
					2,6-DICHLOROPHENOL	0	UG/KG	340	
					2,6-DINITROTOLUENE	0	UG/KG	340	
					2-CHLORONAPHTHALENE	0	UG/KG	340	
					2-CHLOROPHENOL	0	UG/KG	340	
					2-METHYLNAPHTHALENE	0	UG/KG	340	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	340	
					2-NITROANILINE	0	UG/KG	1600	
					2-NITROPHENOL	0	UG/KG	340	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1600	
					3-NITROANILINE	0	UG/KG	1600	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1600	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	340	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	340	
					4-CHLOROANILINE	0	UG/KG	340	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	340	
					4-NITROANILINE	0	UG/KG	1600	
					4-NITROPHENOL	0	UG/KG	1600	
					ACENAPHTHENE	0	UG/KG	340	
					ACENAPHTHYLENE	0	UG/KG	340	
					ANTHRACENE	0	UG/KG	340	
					BENZIDINE	0	UG/KG	4100	
					BENZO(a)ANTHRACENE	0	UG/KG	340	
					BENZO(a)PYRENE	0	UG/KG	340	
					BENZO(b)FLUORANTHENE	0	UG/KG	340	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0505	N	05-Jun-13	SO	SW8270D	BENZO(g,h,i)PERYLENE	0	UG/KG	340	
					BENZO(k)FLUORANTHENE	0	UG/KG	340	
					BENZOIC ACID	0	UG/KG	1600	
					BENZYL ALCOHOL	0	UG/KG	340	
					BENZYL BUTYL PHTHALATE	0	UG/KG	340	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	340	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	340	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	340	
					CARBAZOLE	0	UG/KG	340	
					CHRYSENE	0	UG/KG	340	
					CRESOLS, m & p	0	UG/KG	340	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	340	
					DIBENZOFURAN	0	UG/KG	340	
					DIETHYL PHTHALATE	0	UG/KG	680	
					DIMETHYL PHTHALATE	0	UG/KG	340	
					DI-n-BUTYL PHTHALATE	0	UG/KG	340	
					DI-n-OCTYLPHTHALATE	0	UG/KG	340	
					FLUORANTHENE	0	UG/KG	340	
					FLUORENE	0	UG/KG	340	
					HEXACHLOROBENZENE	0	UG/KG	340	
					HEXACHLOROBUTADIENE	0	UG/KG	340	
					HEXACHLOROETHANE	0	UG/KG	340	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	340	
					ISOPHORONE	0	UG/KG	340	
					NAPHTHALENE	0	UG/KG	340	
					NITROBENZENE	0	UG/KG	340	
					N-NITROSODIMETHYLAMINE	0	UG/KG	530	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	340	
					N-NITROSODIPHENYLAMINE	0	UG/KG	340	
					N-NITROSOPYRROLIDINE	0	UG/KG	340	
					PENTACHLOROPHENOL	0	UG/KG	1600	
					PHENANTHRENE	0	UG/KG	340	
					PHENOL	0	UG/KG	340	
					PYRENE	0	UG/KG	410	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.093	
					1,3-DINITROBENZENE	0	MG/KG	0.093	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.093	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0505	N	05-Jun-13	SO	SW8330	2,4-DINITROTOLUENE	0	MG/KG	0.093	
					2,6-DINITROTOLUENE	0	MG/KG	0.093	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.093	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.093	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.093	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	31	MG/KG	32	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.3	
					NITROGEN, NITRITE	0	MG/KG	5.3	
					SULFATE (AS SO4)	29	MG/KG	53	
SWMU73SB0511				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5000	
					2-METHYLNAPHTHALENE	0	NG/KG	5000	
					ACENAPHTHENE	0	NG/KG	5000	
					ACENAPHTHYLENE	0	NG/KG	5000	
					ANTHRACENE	0	NG/KG	5000	
					BENZO(a)ANTHRACENE	0	NG/KG	5000	
					BENZO(a)PYRENE	0	NG/KG	5000	
					BENZO(b)FLUORANTHENE	0	NG/KG	5000	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5000	
					BENZO(k)FLUORANTHENE	0	NG/KG	5000	
					CHRYSENE	0	NG/KG	5000	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5000	
					FLUORANTHENE	0	NG/KG	5000	
					FLUORENE	0	NG/KG	5000	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5000	
					NAPHTHALENE	0	NG/KG	5000	
					PHENANTHRENE	0	NG/KG	5000	
					PYRENE	0	NG/KG	5000	
				D2216	MOISTURE, PERCENT	4.4	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	1.7	MG/KG	4.1	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.4	
				SW6010C	ALUMINUM	5300	MG/KG	49	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511	N	05-Jun-13	SO	SW6010C	CALCIUM	1500	MG/KG	98	
					IRON	4500	MG/KG	20	
					MAGNESIUM	950	MG/KG	20	
					POTASSIUM	1200	MG/KG	290	
					SODIUM	0	MG/KG	490	
				SW6020A	ANTIMONY	0	UG/KG	190	
					ARSENIC	770	UG/KG	480	
					BARIUM	23000	UG/KG	240	
					BERYLLIUM	340	UG/KG	97	
					CADMIUM	83	UG/KG	97	
					CHROMIUM, TOTAL	5500	UG/KG	190	
					COBALT	1500	UG/KG	97	
					COPPER	3100	UG/KG	2400	
					LEAD	3700	UG/KG	97	
					MANGANESE	39000	UG/KG	97	
					NICKEL	4100	UG/KG	340	
					SELENIUM	610	UG/KG	480	
					SILVER	0	UG/KG	97	
					THALLIUM	76	UG/KG	97	
					VANADIUM	8200	UG/KG	480	
					ZINC	12000	UG/KG	2400	
				SW7471	MERCURY	0	UG/KG	19	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	260	
					ETHYLENE GLYCOL	0	MG/KG	100	
					PROPYLENE GLYCOL	0	MG/KG	100	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511	N	05-Jun-13	SO	SW8081A	GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.4	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	34	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	34	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	34	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	34	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	34	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	34	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	34	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	5.1	
					1,1,1-TRICHLOROETHANE	0	UG/KG	5.1	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	5.1	
					1,1,2-TRICHLOROETHANE	0	UG/KG	5.1	
					1,1-DICHLOROETHANE	0	UG/KG	5.1	
					1,1-DICHLOROETHENE	0	UG/KG	5.1	
					1,1-DICHLOROPROPENE	0	UG/KG	5.1	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	5.1	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	5.1	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	5.1	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	5.1	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	10	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	5.1	
					1,2-DICHLOROBENZENE	0	UG/KG	5.1	
					1,2-DICHLOROETHANE	0	UG/KG	5.1	
					1,2-DICHLOROPROPANE	0	UG/KG	5.1	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	5.1	
					1,3-DICHLOROBENZENE	0	UG/KG	5.1	
					1,3-DICHLOROPROPANE	0	UG/KG	5.1	
					1,4-DICHLOROBENZENE	0	UG/KG	5.1	
					2,2-DICHLOROPROPANE	0	UG/KG	5.1	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511	N	05-Jun-13	SO	SW8260B	2-CHLOROTOLUENE	0	UG/KG	5.1	
					2-HEXANONE	0	UG/KG	21	
					4-CHLOROTOLUENE	0	UG/KG	5.1	
					ACETONE	0	UG/KG	21	
					BENZENE	0	UG/KG	5.1	
					BROMOBENZENE	0	UG/KG	5.1	
					BROMOCHLOROMETHANE	0	UG/KG	5.1	
					BROMODICHLOROMETHANE	0	UG/KG	5.1	
					BROMOFORM	0	UG/KG	5.1	
					BROMOMETHANE	0	UG/KG	10	
					CARBON DISULFIDE	0	UG/KG	5.1	
					CARBON TETRACHLORIDE	0	UG/KG	5.1	
					CHLOROBENZENE	0	UG/KG	5.1	
					CHLOROETHANE	0	UG/KG	10	
					CHLOROFORM	0	UG/KG	10	
					CHLOROMETHANE	0	UG/KG	10	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	5.1	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	5.1	
					DIBROMOCHLOROMETHANE	0	UG/KG	5.1	
					DIBROMOMETHANE	0	UG/KG	5.1	
					DICHLORODIFLUOROMETHANE	0	UG/KG	10	
					ETHYLBENZENE	0	UG/KG	5.1	
					HEXACHLOROBUTADIENE	0	UG/KG	5.1	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	5.1	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.3	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	21	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	21	
					METHYLENE CHLORIDE	0	UG/KG	5.1	
					NAPHTHALENE	0	UG/KG	5.1	
					n-BUTYLBENZENE	0	UG/KG	5.1	
					n-PROPYLBENZENE	0	UG/KG	5.1	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	5.1	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	5.1	
					SEC-BUTYLBENZENE	0	UG/KG	5.1	
					STYRENE	0	UG/KG	5.1	
					t-BUTYLBENZENE	0	UG/KG	5.1	
					tert-BUTYL METHYL ETHER	0	UG/KG	21	

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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511	N	05-Jun-13	SO	SW8260B	TETRACHLOROETHYLENE(PCE)	0	UG/KG	5.1	
					TOLUENE	0	UG/KG	5.1	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	5.1	
					trans-1,2-DICHLOROETHENE	0	UG/KG	5.1	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	5.1	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	5.1	
					TRICHLOROFLUOROMETHANE	0	UG/KG	10	
					VINYL CHLORIDE	0	UG/KG	5.1	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	340	
					1,2-DICHLOROBENZENE	0	UG/KG	340	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	340	
					1,3-DICHLOROBENZENE	0	UG/KG	340	
					1,4-DICHLOROBENZENE	0	UG/KG	340	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	340	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	340	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	340	
					2,4-DICHLOROPHENOL	0	UG/KG	340	
					2,4-DIMETHYLPHENOL	0	UG/KG	340	
					2,4-DINITROPHENOL	0	UG/KG	1600	
					2,4-DINITROTOLUENE	0	UG/KG	340	
					2,6-DICHLOROPHENOL	0	UG/KG	340	
					2,6-DINITROTOLUENE	0	UG/KG	340	
					2-CHLORONAPHTHALENE	0	UG/KG	340	
					2-CHLOROPHENOL	0	UG/KG	340	
					2-METHYLNAPHTHALENE	0	UG/KG	340	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	340	
					2-NITROANILINE	0	UG/KG	1600	
					2-NITROPHENOL	0	UG/KG	340	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1600	
					3-NITROANILINE	0	UG/KG	1600	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1600	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	340	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	340	
					4-CHLOROANILINE	0	UG/KG	340	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	340	
					4-NITROANILINE	0	UG/KG	1600	
					4-NITROPHENOL	0	UG/KG	1600	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511	N	05-Jun-13	SO	SW8270D	ACENAPHTHENE	0	UG/KG	340	
					ACENAPHTHYLENE	0	UG/KG	340	
					ANTHRACENE	0	UG/KG	340	
					BENZIDINE	0	UG/KG	4100	
					BENZO(a)ANTHRACENE	0	UG/KG	340	
					BENZO(a)PYRENE	0	UG/KG	340	
					BENZO(b)FLUORANTHENE	0	UG/KG	340	
					BENZO(g,h,i)PERYLENE	0	UG/KG	340	
					BENZO(k)FLUORANTHENE	0	UG/KG	340	
					BENZOIC ACID	0	UG/KG	1600	
					BENZYL ALCOHOL	0	UG/KG	340	
					BENZYL BUTYL PHTHALATE	0	UG/KG	340	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	340	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	340	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	340	
					CARBAZOLE	0	UG/KG	340	
					CHRYSENE	0	UG/KG	340	
					CRESOLS, m & p	0	UG/KG	340	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	340	
					DIBENZOFURAN	0	UG/KG	340	
					DIETHYL PHTHALATE	0	UG/KG	670	
					DIMETHYL PHTHALATE	0	UG/KG	340	
					DI-n-BUTYL PHTHALATE	0	UG/KG	340	
					DI-n-OCTYLPHTHALATE	0	UG/KG	340	
					FLUORANTHENE	0	UG/KG	340	
					FLUORENE	0	UG/KG	340	
					HEXACHLOROBENZENE	0	UG/KG	340	
					HEXACHLOROBUTADIENE	0	UG/KG	340	
					HEXACHLOROETHANE	0	UG/KG	340	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	340	
					ISOPHORONE	0	UG/KG	340	
					NAPHTHALENE	0	UG/KG	340	
					NITROBENZENE	0	UG/KG	340	
					N-NITROSODIMETHYLAMINE	0	UG/KG	530	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	340	
					N-NITROSODIPHENYLAMINE	0	UG/KG	340	
					N-NITROSOPYRROLIDINE	0	UG/KG	340	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511	N	05-Jun-13	SO	SW8270D	PENTACHLOROPHENOL	0	UG/KG	1600	
					PHENANTHRENE	0	UG/KG	340	
					PHENOL	0	UG/KG	340	
					PYRENE	0	UG/KG	410	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.098	
					1,3-DINITROBENZENE	0	MG/KG	0.098	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.098	
					2,4-DINITROTOLUENE	0	MG/KG	0.098	
					2,6-DINITROTOLUENE	0	MG/KG	0.098	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.098	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.098	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.29	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.098	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	30	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5	
					NITROGEN, NITRITE	0	MG/KG	5	
					SULFATE (AS SO4)	7.7	MG/KG	50	
SWMU73SB0511DFD	FD			BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5000	
					2-METHYLNAPHTHALENE	0	NG/KG	5000	
					ACENAPHTHENE	0	NG/KG	5000	
					ACENAPHTHYLENE	0	NG/KG	5000	
					ANTHRACENE	0	NG/KG	5000	
					BENZO(a)ANTHRACENE	0	NG/KG	5000	
					BENZO(a)PYRENE	0	NG/KG	5000	
					BENZO(b)FLUORANTHENE	0	NG/KG	5000	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5000	
					BENZO(k)FLUORANTHENE	0	NG/KG	5000	
					CHRYSENE	0	NG/KG	5000	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5000	
					FLUORANTHENE	0	NG/KG	5000	
					FLUORENE	0	NG/KG	5000	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5000	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511DFD	FD	05-Jun-13	SO	BNASIM	NAPHTHALENE	0	NG/KG	5000	
					PHENANTHRENE	0	NG/KG	5000	
					PYRENE	0	NG/KG	5000	
				D2216	MOISTURE, PERCENT	4.3	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	1.9	MG/KG	4.1	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.4	
				SW6010C	ALUMINUM	5400	MG/KG	45	
					CALCIUM	1200	MG/KG	90	
					IRON	4700	MG/KG	18	
					MAGNESIUM	1000	MG/KG	18	
					POTASSIUM	1200	MG/KG	270	
					SODIUM	0	MG/KG	450	
				SW6020A	ANTIMONY	0	UG/KG	200	
					ARSENIC	630	UG/KG	490	
					BARIUM	21000	UG/KG	250	
					BERYLLIUM	260	UG/KG	99	
					CADMIUM	96	UG/KG	99	
					CHROMIUM, TOTAL	4300	UG/KG	200	
					COBALT	1400	UG/KG	99	
					COPPER	2600	UG/KG	2500	
					LEAD	3200	UG/KG	99	
					MANGANESE	30000	UG/KG	99	
					NICKEL	3200	UG/KG	350	
					SELENIUM	500	UG/KG	490	
					SILVER	0	UG/KG	99	
					THALLIUM	58	UG/KG	99	
					VANADIUM	6300	UG/KG	490	
					ZINC	10000	UG/KG	2500	
				SW7471	MERCURY	0	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	250	
					ETHYLENE GLYCOL	0	MG/KG	100	
					PROPYLENE GLYCOL	0	MG/KG	100	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511DFD	FD	05-Jun-13	SO	SW8081A	BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.4	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	34	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	34	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	34	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	34	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	34	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	34	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	34	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	6.4	
					1,1,1-TRICHLOROETHANE	0	UG/KG	6.4	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	6.4	
					1,1,2-TRICHLOROETHANE	0	UG/KG	6.4	
					1,1-DICHLOROETHANE	0	UG/KG	6.4	
					1,1-DICHLOROETHENE	0	UG/KG	6.4	
					1,1-DICHLOROPROPENE	0	UG/KG	6.4	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	6.4	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	6.4	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	6.4	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	6.4	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	13	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	6.4	
					1,2-DICHLOROBENZENE	0	UG/KG	6.4	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511DFD	FD	05-Jun-13	SO	SW8260B	1,2-DICHLOROETHANE	0	UG/KG	6.4	
					1,2-DICHLOROPROPANE	0	UG/KG	6.4	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	6.4	
					1,3-DICHLOROBENZENE	0	UG/KG	6.4	
					1,3-DICHLOROPROPANE	0	UG/KG	6.4	
					1,4-DICHLOROBENZENE	0	UG/KG	6.4	
					2,2-DICHLOROPROPANE	0	UG/KG	6.4	
					2-CHLOROTOLUENE	0	UG/KG	6.4	
					2-HEXANONE	0	UG/KG	26	
					4-CHLOROTOLUENE	0	UG/KG	6.4	
					ACETONE	0	UG/KG	26	
					BENZENE	0	UG/KG	6.4	
					BROMOBENZENE	0	UG/KG	6.4	
					BROMOCHLOROMETHANE	0	UG/KG	6.4	
					BROMODICHLOROMETHANE	0	UG/KG	6.4	
					BROMOFORM	0	UG/KG	6.4	
					BROMOMETHANE	0	UG/KG	13	
					CARBON DISULFIDE	0	UG/KG	6.4	
					CARBON TETRACHLORIDE	0	UG/KG	6.4	
					CHLOROBENZENE	0	UG/KG	6.4	
					CHLOROETHANE	0	UG/KG	13	
					CHLOROFORM	0	UG/KG	13	
					CHLOROMETHANE	0	UG/KG	13	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	6.4	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	6.4	
					DIBROMOCHLOROMETHANE	0	UG/KG	6.4	
					DIBROMOMETHANE	0	UG/KG	6.4	
					DICHLORODIFLUOROMETHANE	0	UG/KG	13	
					ETHYLBENZENE	0	UG/KG	6.4	
					HEXACHLOROBUTADIENE	0	UG/KG	6.4	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	6.4	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	4.1	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	26	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	26	
					METHYLENE CHLORIDE	0	UG/KG	6.4	
					NAPHTHALENE	0	UG/KG	6.4	
					n-BUTYLBENZENE	0	UG/KG	6.4	

Data Flag:

J Value considered estimated data
U Non-detect data
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UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511DFD	FD	05-Jun-13	SO	SW8260B	n-PROPYLBENZENE	0	UG/KG	6.4	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	6.4	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	6.4	
					SEC-BUTYLBENZENE	0	UG/KG	6.4	
					STYRENE	0	UG/KG	6.4	
					t-BUTYLBENZENE	0	UG/KG	6.4	
					tert-BUTYL METHYL ETHER	0	UG/KG	26	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	6.4	
					TOLUENE	0	UG/KG	6.4	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	6.4	
					trans-1,2-DICHLOROETHENE	0	UG/KG	6.4	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	6.4	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	6.4	
					TRICHLOROFLUOROMETHANE	0	UG/KG	13	
					VINYL CHLORIDE	0	UG/KG	6.4	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	330	
					1,2-DICHLOROBENZENE	0	UG/KG	330	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	330	
					1,3-DICHLOROBENZENE	0	UG/KG	330	
					1,4-DICHLOROBENZENE	0	UG/KG	330	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	330	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	330	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	330	
					2,4-DICHLOROPHENOL	0	UG/KG	330	
					2,4-DIMETHYLPHENOL	0	UG/KG	330	
					2,4-DINITROPHENOL	0	UG/KG	1600	
					2,4-DINITROTOLUENE	0	UG/KG	330	
					2,6-DICHLOROPHENOL	0	UG/KG	330	
					2,6-DINITROTOLUENE	0	UG/KG	330	
					2-CHLORONAPHTHALENE	0	UG/KG	330	
					2-CHLOROPHENOL	0	UG/KG	330	
					2-METHYLNAPHTHALENE	0	UG/KG	330	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	330	
					2-NITROANILINE	0	UG/KG	1600	
					2-NITROPHENOL	0	UG/KG	330	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1600	
					3-NITROANILINE	0	UG/KG	1600	

Data Flag:

J Value considered estimated data
U Non-detect data
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UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511DFD	FD	05-Jun-13	SO	SW8270D	4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1600	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	330	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	330	
					4-CHLOROANILINE	0	UG/KG	330	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	330	
					4-NITROANILINE	0	UG/KG	1600	
					4-NITROPHENOL	0	UG/KG	1600	
					ACENAPHTHENE	0	UG/KG	330	
					ACENAPHTHYLENE	0	UG/KG	330	
					ANTHRACENE	0	UG/KG	330	
					BENZIDINE	0	UG/KG	4000	
					BENZO(a)ANTHRACENE	0	UG/KG	330	
					BENZO(a)PYRENE	0	UG/KG	330	
					BENZO(b)FLUORANTHENE	0	UG/KG	330	
					BENZO(g,h,i)PERYLENE	0	UG/KG	330	
					BENZO(k)FLUORANTHENE	0	UG/KG	330	
					BENZOIC ACID	0	UG/KG	1600	
					BENZYL ALCOHOL	0	UG/KG	330	
					BENZYL BUTYL PHTHALATE	0	UG/KG	330	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	330	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	330	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	330	
					CARBAZOLE	0	UG/KG	330	
					CHRYSENE	0	UG/KG	330	
					CRESOLS, m & p	0	UG/KG	330	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	330	
					DIBENZOFURAN	0	UG/KG	330	
					DIETHYL PHTHALATE	0	UG/KG	650	
					DIMETHYL PHTHALATE	0	UG/KG	330	
					DI-n-BUTYL PHTHALATE	0	UG/KG	330	
					DI-n-OCTYLPHTHALATE	0	UG/KG	330	
					FLUORANTHENE	0	UG/KG	330	
					FLUORENE	0	UG/KG	330	
					HEXACHLOROBENZENE	0	UG/KG	330	
					HEXACHLOROBUTADIENE	0	UG/KG	330	
					HEXACHLOROETHANE	0	UG/KG	330	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	330	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0511DFD	FD	05-Jun-13	SO	SW8270D	ISOPHORONE	0	UG/KG	330	
					NAPHTHALENE	0	UG/KG	330	
					NITROBENZENE	0	UG/KG	330	
					N-NITROSODIMETHYLAMINE	0	UG/KG	520	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	330	
					N-NITROSODIPHENYLAMINE	0	UG/KG	330	
					N-NITROSOPYRROLIDINE	0	UG/KG	330	
					PENTACHLOROPHENOL	0	UG/KG	1600	
					PHENANTHRENE	0	UG/KG	330	
					PHENOL	0	UG/KG	330	
					PYRENE	0	UG/KG	400	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.094	
					1,3-DINITROBENZENE	0	MG/KG	0.094	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.094	
					2,4-DINITROTOLUENE	0	MG/KG	0.094	
					2,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.094	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.094	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.28	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.094	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	31	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.2	
					NITROGEN, NITRITE	0	MG/KG	5.2	
					SULFATE (AS SO4)	9.3	MG/KG	52	
SWMU73SB0517	N			BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5300	
					2-METHYLNAPHTHALENE	0	NG/KG	5300	
					ACENAPHTHENE	0	NG/KG	5300	
					ACENAPHTHYLENE	0	NG/KG	5300	
					ANTHRACENE	0	NG/KG	5300	
					BENZO(a)ANTHRACENE	0	NG/KG	5300	
					BENZO(a)PYRENE	0	NG/KG	5300	
					BENZO(b)FLUORANTHENE	0	NG/KG	5300	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0517	N	05-Jun-13	SO	BNASIM	BENZO(g,h,i)PERYLENE	0	NG/KG	5300	
					BENZO(k)FLUORANTHENE	0	NG/KG	5300	
					CHRYSENE	0	NG/KG	5300	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5300	
					FLUORANTHENE	0	NG/KG	5300	
					FLUORENE	0	NG/KG	5300	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5300	
					NAPHTHALENE	0	NG/KG	5300	
					PHENANTHRENE	0	NG/KG	5300	
					PYRENE	0	NG/KG	5300	
				D2216	MOISTURE, PERCENT	9	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	2.8	MG/KG	4.4	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	2.5	MG/KG	1.5	
				SW6010C	ALUMINUM	8500	MG/KG	47	
					CALCIUM	1700	MG/KG	94	
					IRON	8600	MG/KG	19	
					MAGNESIUM	1500	MG/KG	19	
					POTASSIUM	1900	MG/KG	280	
					SODIUM	0	MG/KG	470	
				SW6020A	ANTIMONY	0	UG/KG	190	
					ARSENIC	2000	UG/KG	480	
					BARIUM	47000	UG/KG	240	
					BERYLLIUM	590	UG/KG	96	
					CADMIUM	140	UG/KG	96	
					CHROMIUM, TOTAL	8100	UG/KG	190	
					COBALT	3600	UG/KG	96	
					COPPER	7100	UG/KG	2400	
					LEAD	6300	UG/KG	96	
					MANGANESE	79000	UG/KG	96	
					NICKEL	8600	UG/KG	340	
					SELENIUM	970	UG/KG	480	
					SILVER	0	UG/KG	96	
					THALLIUM	120	UG/KG	96	
					VANADIUM	16000	UG/KG	480	
					ZINC	21000	UG/KG	2400	
				SW7471	MERCURY	0	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	270	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0517	N	05-Jun-13	SO	SW8015C	ETHYLENE GLYCOL	0	MG/KG	110	
					PROPYLENE GLYCOL	0	MG/KG	110	
				SW8081A	ALDRIN	0	UG/KG	1.8	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					ALPHA ENDOSULFAN	0	UG/KG	1.8	
					ALPHA-CHLORDANE	0	UG/KG	1.8	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					BETA ENDOSULFAN	0	UG/KG	1.8	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.8	
					DIELDRIN	0	UG/KG	1.8	
					ENDOSULFAN SULFATE	0	UG/KG	1.8	
					ENDRIN	0	UG/KG	1.8	
					ENDRIN ALDEHYDE	0	UG/KG	1.8	
					ENDRIN KETONE	0	UG/KG	1.8	
					GAMMA BHC (LINDANE)	0	UG/KG	1.8	
					GAMMA-CHLORDANE	0	UG/KG	1.8	
					HEPTACHLOR	0	UG/KG	1.8	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.8	
					METHOXYCHLOR	0	UG/KG	3.4	
					p,p'-DDD	0	UG/KG	1.8	
					p,p'-DDE	0	UG/KG	1.8	
					p,p'-DDT	0	UG/KG	2.1	
					TOXAPHENE	0	UG/KG	180	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	34	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	34	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	34	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	34	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	34	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	34	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	34	
				SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	6.2	
					1,1,1-TRICHLOROETHANE	0	UG/KG	6.2	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	6.2	
					1,1,2-TRICHLOROETHANE	0	UG/KG	6.2	
					1,1-DICHLOROETHANE	0	UG/KG	6.2	
					1,1-DICHLOROETHENE	0	UG/KG	6.2	
					1,1-DICHLOROPROPENE	0	UG/KG	6.2	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0517	N	05-Jun-13	SO	SW8260B	1,2,3-TRICHLOROBENZENE	0	UG/KG	6.2	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	6.2	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	6.2	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	6.2	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	12	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	6.2	
					1,2-DICHLOROBENZENE	0	UG/KG	6.2	
					1,2-DICHLOROETHANE	0	UG/KG	6.2	
					1,2-DICHLOROPROPANE	0	UG/KG	6.2	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	6.2	
					1,3-DICHLOROBENZENE	0	UG/KG	6.2	
					1,3-DICHLOROPROPANE	0	UG/KG	6.2	
					1,4-DICHLOROBENZENE	0	UG/KG	6.2	
					2,2-DICHLOROPROPANE	0	UG/KG	6.2	
					2-CHLOROTOLUENE	0	UG/KG	6.2	
					2-HEXANONE	0	UG/KG	25	
					4-CHLOROTOLUENE	0	UG/KG	6.2	
					ACETONE	0	UG/KG	25	
					BENZENE	0	UG/KG	6.2	
					BROMOBENZENE	0	UG/KG	6.2	
					BROMOCHLOROMETHANE	0	UG/KG	6.2	
					BROMODICHLOROMETHANE	0	UG/KG	6.2	
					BROMOFORM	0	UG/KG	6.2	
					BROMOMETHANE	0	UG/KG	12	
					CARBON DISULFIDE	0	UG/KG	6.2	
					CARBON TETRACHLORIDE	0	UG/KG	6.2	
					CHLOROBENZENE	0	UG/KG	6.2	
					CHLOROETHANE	0	UG/KG	12	
					CHLOROFORM	0	UG/KG	12	
					CHLOROMETHANE	0	UG/KG	12	
					cis-1,2-DICHLOROETHYLENE	0	UG/KG	6.2	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	6.2	
					DIBROMOCHLOROMETHANE	0	UG/KG	6.2	
					DIBROMOMETHANE	0	UG/KG	6.2	
					DICHLORODIFLUOROMETHANE	0	UG/KG	12	
					ETHYLBENZENE	0	UG/KG	6.2	
					HEXACHLOROBUTADIENE	0	UG/KG	6.2	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0517	N	05-Jun-13	SO	SW8260B	ISOPROPYLBENZENE (CUMENE)	0	UG/KG	6.2	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	4	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	25	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	25	
					METHYLENE CHLORIDE	0	UG/KG	6.2	
					NAPHTHALENE	0	UG/KG	6.2	
					n-BUTYLBENZENE	0	UG/KG	6.2	
					n-PROPYLBENZENE	0	UG/KG	6.2	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	6.2	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	6.2	
					SEC-BUTYLBENZENE	0	UG/KG	6.2	
					STYRENE	0	UG/KG	6.2	
					t-BUTYLBENZENE	0	UG/KG	6.2	
					tert-BUTYL METHYL ETHER	0	UG/KG	25	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	6.2	
					TOLUENE	0	UG/KG	6.2	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	6.2	
					trans-1,2-DICHLOROETHENE	0	UG/KG	6.2	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	6.2	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	6.2	
					TRICHLOROFLUOROMETHANE	0	UG/KG	12	
					VINYL CHLORIDE	0	UG/KG	6.2	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	350	
					1,2-DICHLOROBENZENE	0	UG/KG	350	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	350	
					1,3-DICHLOROBENZENE	0	UG/KG	350	
					1,4-DICHLOROBENZENE	0	UG/KG	350	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	350	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	350	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	350	
					2,4-DICHLOROPHENOL	0	UG/KG	350	
					2,4-DIMETHYLPHENOL	0	UG/KG	350	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	350	
					2,6-DICHLOROPHENOL	0	UG/KG	350	
					2,6-DINITROTOLUENE	0	UG/KG	350	
					2-CHLORONAPHTHALENE	0	UG/KG	350	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0517	N	05-Jun-13	SO	SW8270D	2-CHLOROPHENOL	0	UG/KG	350	
					2-METHYLNAPHTHALENE	0	UG/KG	350	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	350	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	350	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	350	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	350	
					4-CHLOROANILINE	0	UG/KG	350	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	350	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	350	
					ACENAPHTHYLENE	0	UG/KG	350	
					ANTHRACENE	0	UG/KG	350	
					BENZIDINE	0	UG/KG	4200	
					BENZO(a)ANTHRACENE	0	UG/KG	350	
					BENZO(a)PYRENE	0	UG/KG	350	
					BENZO(b)FLUORANTHENE	0	UG/KG	350	
					BENZO(g,h,i)PERYLENE	0	UG/KG	350	
					BENZO(k)FLUORANTHENE	0	UG/KG	350	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	350	
					BENZYL BUTYL PHTHALATE	0	UG/KG	350	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	350	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	350	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	350	
					CARBAZOLE	0	UG/KG	350	
					CHRYSENE	0	UG/KG	350	
					CRESOLS, m & p	0	UG/KG	350	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	350	
					DIBENZOFURAN	0	UG/KG	350	
					DIETHYL PHTHALATE	0	UG/KG	700	
					DIMETHYL PHTHALATE	0	UG/KG	350	
					DI-n-BUTYL PHTHALATE	0	UG/KG	350	

Data Flag:

J Value considered estimated data
U Non-detect data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0517	N	05-Jun-13	SO	SW8270D	DI-n-OCTYLPHTHALATE	0	UG/KG	350	
					FLUORANTHENE	0	UG/KG	350	
					FLUORENE	0	UG/KG	350	
					HEXACHLOROBENZENE	0	UG/KG	350	
					HEXACHLOROBUTADIENE	0	UG/KG	350	
					HEXACHLOROETHANE	0	UG/KG	350	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	350	
					ISOPHORONE	0	UG/KG	350	
					NAPHTHALENE	0	UG/KG	350	
					NITROBENZENE	0	UG/KG	350	
					N-NITROSODIMETHYLAMINE	0	UG/KG	550	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	350	
					N-NITROSODIPHENYLAMINE	0	UG/KG	350	
					N-NITROSOPYRROLIDINE	0	UG/KG	350	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	350	
					PHENOL	0	UG/KG	350	
					PYRENE	0	UG/KG	420	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.097	
					1,3-DINITROBENZENE	0	MG/KG	0.097	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.097	
					2,4-DINITROTOLUENE	0	MG/KG	0.097	
					2,6-DINITROTOLUENE	0	MG/KG	0.097	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.097	
					2-NITROTOLUENE	0	MG/KG	0.19	
					3-NITROTOLUENE	0	MG/KG	0.19	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.097	
					4-NITROTOLUENE	0	MG/KG	0.19	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.19	
					NITROBENZENE	0	MG/KG	0.29	
					OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.097	
					TETRYL	0	MG/KG	0.19	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	32	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.3	
					NITROGEN, NITRITE	0	MG/KG	5.3	
					SULFATE (AS SO4)	18	MG/KG	53	
SWMU73SB0524				BNASIM	1-METHYLNAPHTHALENE	0	NG/KG	5200	

Data Flag:

J Value considered estimated data **U Non-detect data**
R Value considered unusable data **UJ Value considered estimated non-detect**

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0524	N	05-Jun-13	SO	BNASIM	2-METHYLNAPHTHALENE	0	NG/KG	5200	
					ACENAPHTHENE	0	NG/KG	5200	
					ACENAPHTHYLENE	0	NG/KG	5200	
					ANTHRACENE	0	NG/KG	5200	
					BENZO(a)ANTHRACENE	0	NG/KG	5200	
					BENZO(a)PYRENE	0	NG/KG	5200	
					BENZO(b)FLUORANTHENE	0	NG/KG	5200	
					BENZO(g,h,i)PERYLENE	0	NG/KG	5200	
					BENZO(k)FLUORANTHENE	0	NG/KG	5200	
					CHRYSENE	0	NG/KG	5200	
					DIBENZ(a,h)ANTHRACENE	0	NG/KG	5200	
					FLUORANTHENE	0	NG/KG	5200	
					FLUORENE	0	NG/KG	5200	
					INDENO(1,2,3-c,d)PYRENE	0	NG/KG	5200	
					NAPHTHALENE	0	NG/KG	5200	
					PHENANTHRENE	0	NG/KG	5200	
					PYRENE	0	NG/KG	5200	
				D2216	MOISTURE, PERCENT	11	PERCENT		
				M8015D	PETROLEUM HYDROCARBONS C10-C28	2.4	MG/KG	4.5	
				M8015V	PETROLEUM HYDROCARBONS C6-C10	0	MG/KG	1.3	
				SW6010C	ALUMINUM	12000	MG/KG	49	
					CALCIUM	4000	MG/KG	98	
					IRON	8800	MG/KG	20	
					MAGNESIUM	2700	MG/KG	20	
					POTASSIUM	2300	MG/KG	300	
					SODIUM	0	MG/KG	490	
				SW6020A	ANTIMONY	0	UG/KG	220	
					ARSENIC	2600	UG/KG	540	
					BARIUM	38000	UG/KG	270	
					BERYLLIUM	650	UG/KG	110	
					CADMIUM	170	UG/KG	110	
					CHROMIUM, TOTAL	9700	UG/KG	220	
					COBALT	3700	UG/KG	110	
					COPPER	9600	UG/KG	2700	
					LEAD	5300	UG/KG	110	
					MANGANESE	200000	UG/KG	110	
					NICKEL	15000	UG/KG	380	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0524	N	05-Jun-13	SO	SW6020A	SELENIUM	590	UG/KG	540	
					SILVER	0	UG/KG	110	
					THALLIUM	150	UG/KG	110	
					VANADIUM	17000	UG/KG	540	
					ZINC	22000	UG/KG	2700	
				SW7471	MERCURY	0	UG/KG	20	
				SW8015C	DIETHYLENE GLYCOL	0	MG/KG	280	
					ETHYLENE GLYCOL	0	MG/KG	110	
					PROPYLENE GLYCOL	0	MG/KG	110	
				SW8081A	ALDRIN	0	UG/KG	1.9	
					ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.9	
					ALPHA ENDOSULFAN	0	UG/KG	1.9	
					ALPHA-CHLORDANE	0	UG/KG	1.9	
					BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.9	
					BETA ENDOSULFAN	0	UG/KG	1.9	
					DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0	UG/KG	1.9	
					DIELDRIN	0	UG/KG	1.9	
					ENDOSULFAN SULFATE	0	UG/KG	1.9	
					ENDRIN	0	UG/KG	1.9	
					ENDRIN ALDEHYDE	0	UG/KG	1.9	
					ENDRIN KETONE	0	UG/KG	1.9	
					GAMMA BHC (LINDANE)	0	UG/KG	1.9	
					GAMMA-CHLORDANE	0	UG/KG	1.9	
					HEPTACHLOR	0	UG/KG	1.9	
					HEPTACHLOR EPOXIDE	0	UG/KG	1.9	
					METHOXYCHLOR	0	UG/KG	3.7	
					p,p'-DDD	0	UG/KG	1.9	
					p,p'-DDE	0	UG/KG	1.9	
					p,p'-DDT	0	UG/KG	2.2	
					TOXAPHENE	0	UG/KG	190	
				SW8082A	PCB-1016 (AROCHLOR 1016)	0	UG/KG	37	
					PCB-1221 (AROCHLOR 1221)	0	UG/KG	37	
					PCB-1232 (AROCHLOR 1232)	0	UG/KG	37	
					PCB-1242 (AROCHLOR 1242)	0	UG/KG	37	
					PCB-1248 (AROCHLOR 1248)	0	UG/KG	37	
					PCB-1254 (AROCHLOR 1254)	0	UG/KG	37	
					PCB-1260 (AROCHLOR 1260)	0	UG/KG	37	

Data Flag:

J Value considered estimated data
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Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0524	N	05-Jun-13	SO	SW8260B	1,1,1,2-TETRACHLOROETHANE	0	UG/KG	5.7	
					1,1,1-TRICHLOROETHANE	0	UG/KG	5.7	
					1,1,2,2-TETRACHLOROETHANE	0	UG/KG	5.7	
					1,1,2-TRICHLOROETHANE	0	UG/KG	5.7	
					1,1-DICHLOROETHANE	0	UG/KG	5.7	
					1,1-DICHLOROETHENE	0	UG/KG	5.7	
					1,1-DICHLOROPROPENE	0	UG/KG	5.7	
					1,2,3-TRICHLOROBENZENE	0	UG/KG	5.7	
					1,2,3-TRICHLOROPROPANE	0	UG/KG	5.7	
					1,2,4-TRICHLOROBENZENE	0	UG/KG	5.7	
					1,2,4-TRIMETHYLBENZENE	0	UG/KG	5.7	
					1,2-DIBROMO-3-CHLOROPROPANE	0	UG/KG	11	
					1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	UG/KG	5.7	
					1,2-DICHLOROBENZENE	0	UG/KG	5.7	
					1,2-DICHLOROETHANE	0	UG/KG	5.7	
					1,2-DICHLOROPROPANE	0	UG/KG	5.7	
					1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	UG/KG	5.7	
					1,3-DICHLOROBENZENE	0	UG/KG	5.7	
					1,3-DICHLOROPROPANE	0	UG/KG	5.7	
					1,4-DICHLOROBENZENE	0	UG/KG	5.7	
					2,2-DICHLOROPROPANE	0	UG/KG	5.7	
					2-CHLOROTOLUENE	0	UG/KG	5.7	
					2-HEXANONE	0	UG/KG	23	
					4-CHLOROTOLUENE	0	UG/KG	5.7	
					ACETONE	0	UG/KG	23	
					BENZENE	0	UG/KG	5.7	
					BROMOBENZENE	0	UG/KG	5.7	
					BROMOCHLOROMETHANE	0	UG/KG	5.7	
					BROMODICHLOROMETHANE	0	UG/KG	5.7	
					BROMOFORM	0	UG/KG	5.7	
					BROMOMETHANE	0	UG/KG	11	
					CARBON DISULFIDE	0	UG/KG	5.7	
					CARBON TETRACHLORIDE	0	UG/KG	5.7	
					CHLOROBENZENE	0	UG/KG	5.7	
					CHLOROETHANE	0	UG/KG	11	
					CHLOROFORM	0	UG/KG	11	
					CHLOROMETHANE	0	UG/KG	11	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0524	N	05-Jun-13	SO	SW8260B	cis-1,2-DICHLOROETHYLENE	0	UG/KG	5.7	
					cis-1,3-DICHLOROPROPENE	0	UG/KG	5.7	
					DIBROMOCHLOROMETHANE	0	UG/KG	5.7	
					DIBROMOMETHANE	0	UG/KG	5.7	
					DICHLORODIFLUOROMETHANE	0	UG/KG	11	
					ETHYLBENZENE	0	UG/KG	5.7	
					HEXACHLOROBUTADIENE	0	UG/KG	5.7	
					ISOPROPYLBENZENE (CUMENE)	0	UG/KG	5.7	
					M,P-XYLENE (SUM OF ISOMERS)	0	UG/KG	3.6	
					METHYL ETHYL KETONE (2-BUTANONE)	0	UG/KG	23	
					METHYL ISOBUTYL KETONE (4-METHYL-2-PENTAN	0	UG/KG	23	
					METHYLENE CHLORIDE	0	UG/KG	5.7	
					NAPHTHALENE	0	UG/KG	5.7	
					n-BUTYLBENZENE	0	UG/KG	5.7	
					n-PROPYLBENZENE	0	UG/KG	5.7	
					O-XYLENE (1,2-DIMETHYLBENZENE)	0	UG/KG	5.7	
					P-CYMENE (p-ISOPROPYLTOLUENE)	0	UG/KG	5.7	
					SEC-BUTYLBENZENE	0	UG/KG	5.7	
					STYRENE	0	UG/KG	5.7	
					t-BUTYLBENZENE	0	UG/KG	5.7	
					tert-BUTYL METHYL ETHER	0	UG/KG	23	
					TETRACHLOROETHYLENE(PCE)	0	UG/KG	5.7	
					TOLUENE	0	UG/KG	5.7	
					TOTAL 1,2-DICHLOROETHENE	0	UG/KG	5.7	
					trans-1,2-DICHLOROETHENE	0	UG/KG	5.7	
					trans-1,3-DICHLOROPROPENE	0	UG/KG	5.7	
					TRICHLOROETHYLENE (TCE)	0	UG/KG	5.7	
					TRICHLOROFLUOROMETHANE	0	UG/KG	11	
					VINYL CHLORIDE	0	UG/KG	5.7	
				SW8270D	1,2,4-TRICHLOROBENZENE	0	UG/KG	360	
					1,2-DICHLOROBENZENE	0	UG/KG	360	
					1,2-DIPHENYLHYDRAZINE	0	UG/KG	360	
					1,3-DICHLOROBENZENE	0	UG/KG	360	
					1,4-DICHLOROBENZENE	0	UG/KG	360	
					2,2'-OXYBIS(1-CHLORO)PROPANE	0	UG/KG	360	
					2,4,5-TRICHLOROPHENOL	0	UG/KG	360	
					2,4,6-TRICHLOROPHENOL	0	UG/KG	360	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0524	N	05-Jun-13	SO	SW8270D	2,4-DICHLOROPHENOL	0	UG/KG	360	
					2,4-DIMETHYLPHENOL	0	UG/KG	360	
					2,4-DINITROPHENOL	0	UG/KG	1700	
					2,4-DINITROTOLUENE	0	UG/KG	360	
					2,6-DICHLOROPHENOL	0	UG/KG	360	
					2,6-DINITROTOLUENE	0	UG/KG	360	
					2-CHLORONAPHTHALENE	0	UG/KG	360	
					2-CHLOROPHENOL	0	UG/KG	360	
					2-METHYLNAPHTHALENE	0	UG/KG	360	
					2-METHYLPHENOL (o-CRESOL)	0	UG/KG	360	
					2-NITROANILINE	0	UG/KG	1700	
					2-NITROPHENOL	0	UG/KG	360	
					3,3'-DICHLOROBENZIDINE	0	UG/KG	1700	
					3-NITROANILINE	0	UG/KG	1700	
					4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	1700	
					4-BROMOPHENYL PHENYL ETHER	0	UG/KG	360	
					4-CHLORO-3-METHYLPHENOL	0	UG/KG	360	
					4-CHLOROANILINE	0	UG/KG	360	
					4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	360	
					4-NITROANILINE	0	UG/KG	1700	
					4-NITROPHENOL	0	UG/KG	1700	
					ACENAPHTHENE	0	UG/KG	360	
					ACENAPHTHYLENE	0	UG/KG	360	
					ANTHRACENE	0	UG/KG	360	
					BENZIDINE	0	UG/KG	4300	
					BENZO(a)ANTHRACENE	0	UG/KG	360	
					BENZO(a)PYRENE	0	UG/KG	360	
					BENZO(b)FLUORANTHENE	0	UG/KG	360	
					BENZO(g,h,i)PERYLENE	0	UG/KG	360	
					BENZO(k)FLUORANTHENE	0	UG/KG	360	
					BENZOIC ACID	0	UG/KG	1700	
					BENZYL ALCOHOL	0	UG/KG	360	
					BENZYL BUTYL PHTHALATE	0	UG/KG	360	
					bis(2-CHLOROETHOXY) METHANE	0	UG/KG	360	
					bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ET	0	UG/KG	360	
					bis(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	360	
					CARBAZOLE	0	UG/KG	360	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0524	N	05-Jun-13	SO	SW8270D	CHRYSENE	0	UG/KG	360	
					CRESOLS, m & p	0	UG/KG	360	
					DIBENZ(a,h)ANTHRACENE	0	UG/KG	360	
					DIBENZOFURAN	0	UG/KG	360	
					DIETHYL PHTHALATE	0	UG/KG	710	
					DIMETHYL PHTHALATE	0	UG/KG	360	
					DI-n-BUTYL PHTHALATE	0	UG/KG	360	
					DI-n-OCTYLPHTHALATE	0	UG/KG	360	
					FLUORANTHENE	0	UG/KG	360	
					FLUORENE	0	UG/KG	360	
					HEXACHLOROBENZENE	0	UG/KG	360	
					HEXACHLOROBUTADIENE	0	UG/KG	360	
					HEXACHLOROETHANE	0	UG/KG	360	
					INDENO(1,2,3-c,d)PYRENE	0	UG/KG	360	
					ISOPHORONE	0	UG/KG	360	
					NAPHTHALENE	0	UG/KG	360	
					NITROBENZENE	0	UG/KG	360	
					N-NITROSODIMETHYLAMINE	0	UG/KG	560	
					N-NITROSODI-n-PROPYLAMINE	0	UG/KG	360	
					N-NITROSODIPHENYLAMINE	0	UG/KG	360	
					N-NITROSOPYRROLIDINE	0	UG/KG	360	
					PENTACHLOROPHENOL	0	UG/KG	1700	
					PHENANTHRENE	0	UG/KG	360	
					PHENOL	0	UG/KG	360	
					PYRENE	0	UG/KG	430	
				SW8330	1,3,5-TRINITROBENZENE	0	MG/KG	0.098	
					1,3-DINITROBENZENE	0	MG/KG	0.098	
					2,4,6-TRINITROTOLUENE	0	MG/KG	0.098	
					2,4-DINITROTOLUENE	0	MG/KG	0.098	
					2,6-DINITROTOLUENE	0	MG/KG	0.098	
					2-AMINO-4,6-DINITROTOLUENE	0	MG/KG	0.098	
					2-NITROTOLUENE	0	MG/KG	0.2	
					3-NITROTOLUENE	0	MG/KG	0.2	
					4-AMINO-2,6-DINITROTOLUENE	0	MG/KG	0.098	
					4-NITROTOLUENE	0	MG/KG	0.2	
					HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	MG/KG	0.2	
					NITROBENZENE	0	MG/KG	0.29	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Sample ID	Type	Date	Matrix	Method	Parameter	Value	Units	RL	Qual
SWMU73SB0524	N	05-Jun-13	SO	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZO	0	MG/KG	0.098	
					TETRYL	0	MG/KG	0.2	
				SW9056A	CHLORIDE (AS CL)	0	MG/KG	32	
					NITROGEN, NITRATE (AS N)	0	MG/KG	5.4	
					NITROGEN, NITRITE	0	MG/KG	5.4	
					SULFATE (AS SO4)	6.5	MG/KG	54	

Data Flag:

J Value considered estimated data
U Non-detect data
R Value considered unusable data
UJ Value considered estimated non-detect

Tetra Tech, Inc.
Data Validation Report

Job Number 280-43069-1

Project/Site Name:	Cannon Air Force Base – SWMU 73 RFA
Collection Date:	6/5/2013
Report Date:	6/27/2013
Matrix:	Soil
Validation Level:	Sample-Specific
Validation Guidelines:	Project-Specific
Laboratory:	TestAmerica

Analytical Parameter:	Analysis Method:
Volatile Organic Compounds (VOCs)	SW-846 8260B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Polyaromatic Hydrocarbons (PAHs)	SW-846 8270D SIM
Pesticides	SW-846 8081A
Polychlorinated Biphenyls (PCBs)	SW-846 8082A
Gasoline/Diesel Range Organics	SW-846 8015C
Explosives	SW-846 8330B
Glycols	SW-846 8015C
ICP Metals	SW846 6010C/6020A
Mercury	SW846 7471B
Anions	SW-846 9056A

DATA REVIEW AND VALIDATION

A laboratory data review and independent data validation were performed on the data. The data validation process for the June 2013 sampling event included a review of the following parameters as applicable:

- Chain-of-custody (COC) documentation
- Holding time compliance
- Method, trip, and rinse blank data
- MS/MSD sample recovery
- Laboratory Control Sample (LCS) recovery
- Surrogate spike recovery
- Duplicate sample analysis

Sample Identification:

SWMU73SB0400	SWMU73SB0405	SWMU73SB0411
SWMU73SB0405D	SWMU73SB0500	SWMU73SB0505
SWMU73SB0511	SWMU73SB0517	SWMU73SB0524
SWMU73SB0511D		

Validation Summary

1. Holding Time

All analyses were performed within specified holding times.

2. Surrogates

All analytes were qualified as estimated (J/UJ) in the initial glycol analyses of SWMU73SB0500, SWMU73SB0511, SWMU73SB0517, SWMU73SB0524, and SWMU73SB0511D due to low recovery of two surrogates. All surrogates exhibited low recovery in the dilution analysis (DL) performed on the pesticide fraction and one surrogate exceeded recovery in the volatile and PAH fractions of sample SWMU73SB0500. No action was required.

3. Matrix Spikes/Post Digestion Spike

Antimony was estimated (J/UJ) in all samples due to low recovery in the MS/MSD. The recovery in the post-digestion spike was acceptable. Toxaphene and potassium exhibited high recovery in the matrix spike, but did not require qualification. All other spike recoveries were within laboratory limits.

4. Blanks

Low level acetone, 2-butanone, 2-hexanone, barium and copper were present in the method blanks. Traces of chloride were observed in the calibration blanks. The samples were evaluated for blank contamination based on the 5-times rule and LOD. Acetone and chloride were qualified ‘U’ in the affected samples.

5. Duplicates

Calcium and barium exceeded the limits of field precision and were qualified as estimated (J) in SWMU73SB0405 and SWMU73SB0405D. Toxaphene exceeded laboratory precision criteria between analyses of the MS/MSD. No action was required. All other MS/MSD, LCS/LCSD, lab and field duplicate analyses were satisfactory.

6. Laboratory Control Sample (LCS)

All LCS analyses were acceptable.

7. Calibrations

Numerous pesticide analytes exceeded %D criteria in the calibrations and were estimated (J/UJ) in the affected samples.

8. Miscellaneous

A slight retention time shift was observed in the explosives analyses on one column. All raw data were reviewed to verify that the results were accurately reported.

Qualifiers used during validation

J	Indicates an estimated value.
R	Quality control indicates the data is not usable.
U	Indicates the compound or analyte was analyzed for but subsequently qualified due to blank contamination.

Data Qualification Summary

Sample Identification	Analyte	Qualifiers Applied	Qualifier Code	Reason for Qualification
SWMU73SB0405 SWMU73SB0411 SWMU73SB0405D SWMU73SB0505 SWMU73SB0511 SWMU73SB0517 SWMU73SB0524 SWMU73SB0511D	Acetone	11 U 15 U 18 U 12 U 10 U 13 U 11 U 13 U	MB	Method blank contamination
SWMU73SB0400 SWMU73SB0405 SWMU73SB0411 SWMU73SB0405D SWMU73SB0511 SWMU73SB0517 SWMU73SB0524 SWMU73SB0511D	Chloride	17 U 18 U 17 U 20 U 8.9 U 13 U 11 U 10 U	CCB	Continuing Calibration Blank contamination
SWMU73SB0400 SWMU73SB0405 SWMU73SB0411 SWMU73SB0405D SWMU73SB0505 SWMU73SB0511 SWMU73SB0517 SWMU73SB0524 SWMU73SB0511D	Alpha-BHC Beta-BHC Gamma-BHC Delta-BHC Aldrin Heptachlor epoxide Alpha-chlordane Gamma-chlordane Endosulfan I Endrin DDD	J/UJ	CCV	Continuing Calibration exceeded %D criteria
SWMU73SB0500	Alpha-BHC Beta-BHC Gamma-BHC Delta-BHC Aldrin Heptachlor epoxide Endosulfan I Endrin	J/UJ	CCV	Continuing Calibration exceeded %D criteria
SWMU73SB0405 SWMU73SB0405D	Calcium Barium	J	FD	Field precision exceeded
SWMU73SB0400 SWMU73SB0405 SWMU73SB0411 SWMU73SB0405D SWMU73SB0500 SWMU73SB0505 SWMU73SB0511 SWMU73SB0517 SWMU73SB0524 SWMU73SB0511D	Antimony	J/UJ	MS	Matrix spike recovery low

SWMU73SB0500 SWMU73SB0511 SWMU73SB0517 SWMU73SB0524 SWMU73SB0511D	2,2'-Oxybisethanol Ethylene glycol Propylene glycol	UJ	SURR	Surrogate recovery low

Tetra Tech, Inc.
Data Validation Report

Job Number 280-43135-1

Project/Site Name:	Cannon Air Force Base – SWMU 73 RFA
Collection Date:	6/5/2013
Report Date:	6/28/2013
Matrix:	Soil
Validation Level:	Sample-Specific
Validation Guidelines:	Project-Specific
Laboratory:	TestAmerica

Analytical Parameter:	Analysis Method:
Volatile Organic Compounds (VOCs)	SW-846 8260B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Polyaromatic Hydrocarbons (PAHs)	SW-846 8270D SIM
Pesticides	SW-846 8081A
Polychlorinated Biphenyls (PCBs)	SW-846 8082A
Gasoline/Diesel Range Organics	SW-846 8015C
Explosives	SW-846 8330B
Glycols	SW-846 8015C
ICP Metals	SW846 6010C/6020A
Mercury	SW846 7471B
Anions	SW-846 9056A

DATA REVIEW AND VALIDATION

A laboratory data review and independent data validation were performed on the data. The data validation process for the June 2013 sampling event included a review of the following parameters as applicable:

- Chain-of-custody (COC) documentation
- Holding time compliance
- Method, trip, and rinse blank data
- MS/MSD sample recovery
- Laboratory Control Sample (LCS) recovery
- Surrogate spike recovery
- Duplicate sample analysis

Sample Identification:

SWMU73SB0300	SWMU73SB0305	SWMU73SB04RB
SWMU73SB0311	SWMU73SB0317	SWMU73SB0324
TRIP BLANK		

Validation Summary

1. Holding Time

Nitrate and nitrite were qualified as unusable (R) in sample SWMU73SB04RB because the analysis was performed 8 hours out of the 48-hour holding time. All other analyses were performed within specified holding times.

2. Surrogates

Gasoline range organics in SWMU73SB0305 and all analytes in the pesticide fraction of SWMU73SB0300 were qualified as estimated (J/UJ) for failing surrogate recovery criteria. The volatile fraction of SWMU73SB0300 also exceeded recovery of two surrogates, but no action was required.

3. Matrix Spikes/Post Digestion Spike

Antimony, vanadium, and sulfate were estimated (J/UJ) in all soil samples due to low recovery in the MS/MSD. The recovery of antimony and vanadium in the post-digestion spike was acceptable. All other spike recoveries were within laboratory limits.

4. Blanks

Low level acetone, naphthalene, sodium, antimony, and 2,2'-oxybisethanol were present in the rinse and method blanks. The samples were evaluated for blank contamination based on the 5-times rule and LOD. The affected samples were qualified 'U' accordingly. Traces of numerous other analytes were also reported in the blanks, but no action was required.

5. Duplicates

Manganese and vanadium exceeded laboratory precision criteria between analyses of the MS/MSD and were qualified as estimated (J/UJ) in all soil samples. Hexachlorobutadiene and trichlorofluoromethane also exceeded the limits of laboratory precision between the spike and spike duplicate, but no action was required. All other MS/MSD, LCS/LCSD, lab and field duplicate analyses were satisfactory.

6. Laboratory Control Sample (LCS)

All LCS analyses were acceptable.

7. Calibrations

Toxaphene exceeded %D criteria in several continuing calibration analyses. No action was required.

8. Miscellaneous

A slight retention time shift was observed in the explosives analyses on one column. All raw data were reviewed to verify that the results were accurately reported.

Qualifiers used during validation

J	Indicates an estimated value.
R	Quality control indicates the data is not usable.
U	Indicates the compound or analyte was analyzed for but subsequently qualified due to blank contamination.

Data Qualification Summary

Sample Identification	Analyte	Qualifiers Applied	Qualifier Code	Reason for Qualification
SWMU73SB04RB	Nitrate Nitrite	R	HT	Holding time exceeded
SWMU73SB0305 SWMU73SB0311 SWMU73SB0317 SWMU73SB0324	Acetone	21 U 19 U 13 U 10 U	RB	Rinse blank contamination
8270D SIM SWMU73SB0300	Naphthalene	3400 U	RB	Rinse blank contamination
SWMU73SB0300	Sodium	100 U	RB	Rinse blank contamination
SWMU73SB0311 SWMU73SB0317	2,2'-Oxybisethanol	3.7 U 2.1 U	RB	Rinse blank contamination
SWMU73SB0300 SWMU73SB0305 SWMU73SB0311	Antimony	40 U 39 U 41 U	MB	Method blank contamination
SWMU73SB0300 SWMU73SB0305 SWMU73SB0311 SWMU73SB0317 SWMU73SB0324	Manganese Vanadium	J	LD	Laboratory precision exceeded
SWMU73SB0300 SWMU73SB0305 SWMU73SB0311 SWMU73SB0317 SWMU73SB0324	Antimony Vanadium	J/UJ	MS	Matrix spike recovery low
SWMU73SB0300 SWMU73SB0305 SWMU73SB0311 SWMU73SB0317 SWMU73SB0324	Sulfate	J	MS	Matrix spike recovery low
SWMU73SB0300	All pesticide analytes	J/UJ	SURR	Surrogate recovery low
SWMU73SB0305	Gasoline range organics	J	SURR	Surrogate recovery high

Tetra Tech, Inc.
Data Validation Report

Job Number 280-43172-1

Project/Site Name:	Cannon Air Force Base – SWMU 73 RFA
Collection Date:	6/5/2013
Report Date:	6/28/2013
Matrix:	Soil
Validation Level:	Sample-Specific
Validation Guidelines:	Project-Specific
Laboratory:	TestAmerica

Analytical Parameter:	Analysis Method:
Volatile Organic Compounds (VOCs)	SW-846 8260B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Polyaromatic Hydrocarbons (PAHs)	SW-846 8270D SIM
Pesticides	SW-846 8081A
Polychlorinated Biphenyls (PCBs)	SW-846 8082A
Gasoline/Diesel Range Organics	SW-846 8015C
Explosives	SW-846 8330B
Glycols	SW-846 8015C
ICP Metals	SW846 6010C/6020A
Mercury	SW846 7471B
Anions	SW-846 9056A

DATA REVIEW AND VALIDATION

A laboratory data review and independent data validation were performed on the data. The data validation process for the June 2013 sampling event included a review of the following parameters as applicable:

- Chain-of-custody (COC) documentation
- Holding time compliance
- Method, trip, and rinse blank data
- MS/MSD sample recovery
- Laboratory Control Sample (LCS) recovery
- Surrogate spike recovery
- Duplicate sample analysis

Sample Identification:

SWMU73SB0100	SWMU73SB0105	SWMU73SB0200
SWMU73SB0205	SWMU73SB0211	SWMU73SB0217
SWMU73SB0224	SWMU73SB02RB	TRIP BLANK

Validation Summary

1. Holding Time

Nitrate and nitrite were qualified as unusable (R) in sample SWMU73SB02RB because the analysis was performed 8 hours out of the 48-hour holding time. All non-detects were qualified as unusable (R) and positive results were estimated (J) in the low-level soil volatile analyses because the samples were not frozen upon receipt at the laboratory or analyzed within 48-hours of collection. All other analyses were performed within specified holding times.

2. Surrogates

The medium level soil analyses of volatile samples SWMU73SB0105, SWMU73SB0205, SWMU73SB0217, and the pesticide analysis of SWMU73SB0105DL, exceeded recovery of at least one surrogate, but no action was required. All surrogates exhibited 0% recovery in the most concentrated (100-fold dilution) of the pesticide analysis of SWMU73SB0105, but qualification of the data was not required.

3. Matrix Spikes/Post Digestion Spike

Antimony and sulfate exhibited low recovery in the MS/MSD. Recovery of antimony in the post-digestion spike was acceptable. Both analytes were estimated (J/UJ) in the affected soil samples. Benzoic acid, DDE and toxaphene exhibited low recovery in the spike analyses performed on samples SWMU73SB0100 and SWMU73SB0105, but no action was required. All other spike recoveries were acceptable.

4. Blanks

Low level acetone, xylenes, naphthalene, and phenanthrene were present in the rinse and method blanks. The samples were evaluated for blank contamination based on the 5-times rule and LOD. The affected samples were qualified ‘U’ accordingly. Traces of numerous other analytes were also reported in the blanks, but no action was required.

5. Duplicates

Beryllium exceeded the limits of laboratory precision between analyses of the MS/MSD and was qualified as estimated (J/UJ) in all soil samples. Benzoic acid also exceeded precision criteria between the spike and spike duplicate, but no action was required. All other MS/MSD, LCS/LCSD, and lab duplicate analyses were satisfactory.

6. Laboratory Control Sample (LCS)

All LCS analyses were acceptable.

7. Calibrations

Toxaphene exceeded %D criteria in several continuing calibration analyses. No action was required.

8. Miscellaneous

A slight retention time shift was observed in the explosives analyses on one column. All raw data were reviewed to verify that the results were accurately reported.

Qualifiers used during validation

J	Indicates an estimated value.
R	Quality control indicates the data is not usable.
U	Indicates the compound or analyte was analyzed for but subsequently qualified due to blank contamination.

Data Qualification Summary

Sample Identification	Analyte	Qualifiers Applied	Qualifier Code	Reason for Qualification
SWMU73SB02RB	Nitrate Nitrite	R	HT	Holding time exceeded
8260B – low level SWMU73SB0200 SWMU73SB0211	All analytes	R	HT	Holding time exceeded
8260B – low level SWMU73SB0100 SWMU73SB0105 SWMU73SB0205 SWMU73SB0217 SWMU73SB0224	Non-detect analytes	R	HT	Holding time exceeded
8260B – low level SWMU73SB0100 SWMU73SB0105 SWMU73SB0205 SWMU73SB0217 SWMU73SB0224	Positive results	J	HT	Holding time exceeded
8260B – medium level SWMU73SB0100	o-Xylene	77 U	RB	Rinse blank contamination
8260B – low level SWMU73SB0100 SWMU73SB0105 SWMU73SB0205 SWMU73SB0217 SWMU73SB0224	Acetone	U 25 U 8 U 15 U 11 U	MB	Method blank contamination
8270D SIM SWMU73SB0100	Naphthalene	16000 U	RB	Rinse blank contamination
8270D SIM SWMU73SB0200	Naphthalene phenanthrene	740 U 2800 U	RB	Rinse blank contamination
SWMU73SB0100 SWMU73SB0105 SWMU73SB0200 SWMU73SB0205 SWMU73SB0211 SWMU73SB0217 SWMU73SB0224	Beryllium	J	LD	Laboratory precision exceeded
SWMU73SB0100 SWMU73SB0105 SWMU73SB0200 SWMU73SB0205 SWMU73SB0211 SWMU73SB0217 SWMU73SB0224	Antimony	J/UJ	MS	Matrix spike recovery low

SWMU73SB0100 SWMU73SB0105 SWMU73SB0200 SWMU73SB0205 SWMU73SB0211 SWMU73SB0217 SWMU73SB0224	Sulfate	J	MS	Matrix spike recovery low

Appendix D – Summary of Investigation-Derived Waste Characterization

Drum ID/ Sample Location	Contents	Analytical Data Summary
SB01 (total depth to 6 ft); SB02 (0–6 ft only)	Dry soil drilling cuttings, greater than 50 percent caliche	Only arsenic in surface samples in each soil boring exceeded the NMED SSL of 3.9 mg/kg, but the average concentration of arsenic for all samples within drum is 3.55 mg/kg, which is less than the SSL. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB02 (total depth, 6–25 ft)	Dry soil drilling cuttings, greater than 50 percent caliche	No detected analytes have concentrations that exceed NMED residential SSLs. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB03 (total depth, 0–25 ft)	Dry soil drilling cuttings, greater than 50 percent caliche	No detected analytes have concentrations that exceed NMED residential SSLs. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB04 (total depth, 0–12 ft)	Dry soil drilling cuttings, 25–50 percent caliche	No detected analytes have concentrations that exceed NMED residential SSLs. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
SB05 (total depth, 0–25 ft)	Dry soil drilling cuttings, 25–50 percent caliche	Only benzo[a]pyrene in one sample exceeded the NMED SSL, but the average concentration of arsenic for all samples within drum is 0.0036 mg/kg, which is less than the SSL of 0.148 mg/kg. Not a RCRA hazardous waste based on comparison of maximum detected concentration of analytes to TCLP criteria multiplied by 20.
Decontamination water	Potable water used to steam clean/power wash drilling equipment	Analytical results for soil and associated drums of soil cuttings indicate no exceedances of NMED SSLs. Due to the low solubility of metals and organic compounds and understanding that soil cuttings are not a RCRA hazardous waste, it is unlikely that decontamination water is RCRA hazardous waste or levels of metals exceed New Mexico Water Quality Control Commission standards.

IDW Summary of Analytical Data and Comparison to Toxicity Characteristic Leaching Procedure (TCLP) Criteria

Analyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	TCLP Criteria (mg/L)	20x TCLP Criteria	Is Maximum > 20x TCLP?	RCRA Hazardous?
Surface Soil									
VOCs (EPA 8260B)									
None Detected	--	--	--	--	--				
SVOCs (low detection limits) (EPA 8270D SIM)									
1-Methylnaphthalene	5	4	0.0054 - 0.052	0.00033	0.022				
2-Methylnaphthalene	5	4	0.0054 - 0.052	0.00038	0.026				
Acenaphthene	5	4	0.0054 - 0.052	0.00044	0.04				
Acenaphthylene	5	2	0.0054 - 0.052	0.0046	0.006				
Anthracene	5	2	0.0054 - 0.052	0.0092	0.053				
Benzo[a]anthracene	5	3	0.0054 - 0.052	0.0082	0.22				
Benzo[a]pyrene	5	3	0.0054 - 0.052	0.0097	0.21				
Benzo[b]fluoranthene	5	3	0.0054 - 0.052	0.016	0.29				
Benzo[g,h,i]perylene	5	3	0.0054 - 0.052	0.013	0.2				
Benzo[k]fluoranthene	5	3	0.0054 - 0.052	0.0055	0.11				
Chrysene	5	3	0.0054 - 0.052	0.014	0.27				
Dibenz(a,h)anthracene	5	1	0.0054 - 0.052	0.046	0.046				
Fluoranthene	5	3	0.0054 - 0.052	0.02	0.56				
Fluorene	5	1	0.0054 - 0.052	0.027	0.027				
Indeno[1,2,3-cd]pyrene	5	3	0.0054 - 0.052	0.01	0.21				
Naphthalene	5	1	0.0054 - 0.052	0.0064	0.0064				
Phenanthrene	5	3	0.0054 - 0.052	0.012	0.27				
Pyrene	5	3	0.0054 - 0.052	0.018	0.52				
Pesticides (EPA 8081A)									
alpha-Chlordane	5	3	0.0018 - 0.19	0.00072	0.057	0.03	0.6	No	No
gamma-Chlordane	5	3	0.0018 - 0.19	0.0004	0.06	0.03	0.6	No	No
4,4'-DDD	5	3	0.0018 - 0.37	0.012	0.49	*Chlordane TCLP criteria used for comparison*			
4,4'-DDE	5	5	0.0018 - 0.19	0.00048	1.7				
4,4'-DDT	5	4	0.0021 - 0.44	0.0011	3.6				
PCBs (EPA 8082A)									
PCB-1260 (Arochlor 1260)	5	1	0.034 - 0.041	0.024	0.024				
Explosives (EPA 8330B)									
None Detected	--	--	--	--	--				
Petroleum Hydrocarbons (EPA 8015C)									
2,2'-Oxybisethanol	5	1	11 - 310	4.2	4.2				
Gasoline Range Organics [C6-C10]	5	5	4.2 - 5	5.6	110				
Diesel Range Organics [C10-C28]	5	3	1.2 - 1.8	0.53	1.2				

IDW Summary of Analytical Data and Comparison to Toxicity Characteristic Leaching Procedure (TCLP) Criteria

Analyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	TCLP Criteria (mg/L)	20x TCLP Criteria	Is Maximum > 20x TCLP?	RCRA Hazardous?
Metals (EPA 6010C/6020A/7471B)									
Aluminum	5	5	48 - 60	13000	23000				
Antimony	5	2	0.2 - 0.22	0.033	0.19				
Arsenic	5	5	0.49 - 0.56	2.7	4.5	5	100	No	No
Barium	5	5	0.25 - 0.28	95	200	100	2000	No	No
Beryllium	5	5	0.099 - 0.11	0.56	1.4				
Cadmium	5	5	0.099 - 0.11	0.39	0.97	1	20	No	No
Calcium	5	5	95 - 1000	3400	210000				
Chromium	5	5	0.2 - 0.22	11	22				
Cobalt	5	5	0.099 - 0.11	3.4	7.2				
Copper	5	5	2.5 - 2.8	8.9	37				
Iron	5	5	19 - 24	10000	18000				
Lead	5	5	0.099 - 0.11	8.3	44	5	100	No	No
Magnesium	5	5	19 - 24	2300	3900				
Manganese	5	5	0.099 - 0.11	200	370				
Mercury	5	5	0.021 - 0.025	0.012	0.026	0.2	4	No	No
Nickel	5	5	0.35 - 0.39	10	17				
Potassium	5	5	290 - 360	2600	4600				
Selenium	5	5	0.49 - 0.56	0.97	2.1	1	20	No	No
Silver	5	5	0.099 - 0.11	0.031	0.081	5	100	No	No
Sodium	5	2	480 - 600	170	240				
Thallium	5	5	0.099 - 0.11	0.17	0.36				
Vanadium	5	5	0.49 - 0.56	18	31				
Zinc	5	5	2.5 - 2.8	29	200				
Anions (EPA 9056A)									
Chloride	5	4	32 - 38	7.2	47				
Nitrogen, Nitrate as N	5	5	5.4 - 6.3	0.98	11				
Sulfate	5	5	54 - 63	5.9	100				

IDW Summary of Analytical Data and Comparison to Toxicity Characteristic Leaching Procedure (TCLP) Criteria

Analyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	TCLP Criteria (mg/L)	20x TCLP Criteria	Is Maximum > 20x TCLP?	RCRA Hazardous?
Subsurface Soil									
VOCs (EPA 8260B)									
2-butanone (MEK)	15	1	0.02 - 1.6	0.003	0.003	200	4000	No	No
SVOCs (low detection limits) (EPA 8270D SIM)									
Benzo[a]anthracene	15	1	0.0049 - 0.0058	0.0012	0.0012				
Benzo[a]pyrene	15	1	0.0049 - 0.0058	0.0009	0.0009				
Benzo[b]fluoranthene	15	1	0.0049 - 0.0058	0.0016	0.0016				
Chrysene	15	1	0.0049 - 0.0058	0.0017	0.0017				
Fluoranthene	15	2	0.0049 - 0.0058	0.0015	0.0027				
Phenanthrene	15	2	0.0049 - 0.0058	0.0012	0.0014				
Pyrene	15	2	0.0049 - 0.0058	0.0013	0.0029				
Pesticides (EPA 8081A)									
4,4'-DDE	15	1	0.0016 - 0.002	0.0022	0.0022				
4,4'-DDT	15	1	0.0019 - 0.0023	0.0031	0.0031				
PCBs (EPA 8082A)									
None Detected	--	--	--	--	--				
Explosives (EPA 8330B)									
None Detected	--	--	--	--	--				
Petroleum Hydrocarbons (EPA 8015C)									
2,2'-Oxybisethanol	15	4	10 - 280	0.71	3.7				
Diesel Range Organics [C10-C28]	15	15	4 - 4.5	1.7	9.6				
Gasoline Range Organics [C6-C10]	15	2	1.2 - 2.6	2.5	6.2				
Metals (EPA 6010C/6020A/7471B)									
Aluminum	15	15	45 - 55	3900	20000				
Antimony	15	5	0.19 - 0.23	0.014	0.022				
Arsenic	15	15	0.46 - 0.57	0.58	3.6	5	100	No	No
Barium	15	15	0.23 - 0.28	23	460	100	2000	No	No
Beryllium	15	15	0.093 - 0.11	0.12	1.1				
Cadmium	15	15	0.093 - 0.11	0.029	0.46	1	20	No	No
Calcium	15	15	90 - 110	1500	180000				
Chromium	15	15	0.19 - 0.23	2.9	18				
Cobalt	15	15	0.093 - 0.11	1.5	6.8				
Copper	15	15	2.3 - 2.8	1.6	13				
Iron	15	15	18 - 22	3200	17000				
Lead	15	15	0.093 - 0.11	1.6	13	5	100	No	No
Magnesium	15	15	18 - 22	950	5800				

IDW Summary of Analytical Data and Comparison to Toxicity Characteristic Leaching Procedure (TCLP) Criteria

Analyte	Number of Samples	Number of Detections	Range of Reporting Limits (mg/kg)	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	TCLP Criteria (mg/L)	20x TCLP Criteria	Is Maximum > 20x TCLP?	RCRA Hazardous?
Metals (EPA 6010C/6020A/7471B) [continued]									
Manganese	15	15	0.093 - 0.11	39	320				
Mercury	15	6	0.019 - 0.022	0.0071	0.02	0.2	4	No	No
Nickel	15	15	0.32 - 0.4	4.1	15				
Potassium	15	15	270 - 330	830	4800				
Selenium	15	15	0.46 - 0.57	0.22	1.9	1	20	No	No
Silver	15	9	0.093 - 0.11	0.021	0.053	5	100	No	No
Sodium	15	9	450 - 550	83	180				
Thallium	15	15	0.093 - 0.11	0.033	0.25				
Vanadium	15	15	0.46 - 0.57	8.2	27				
Zinc	15	15	2.3 - 2.8	5.8	53				
Anions (EPA 9056A)									
Chloride	15	10	30 - 35	7.4	120				
Nitrogen, Nitrate as N	15	2	5 - 5.8	1.1	1.3				
Sulfate	15	15	50 - 58	6.5	230				

Waste Characterization Relative to Exceedances of NMED Residential Soil Screening Levels

Drum: SB01 (total depth to 6 ft); SB02 (0–6 ft only)

Arsenic	**SB01 0-1 ft** SWMU73SB0100	**SB01 5-6 ft** SWMU73SB0105	**SB02 0-1 ft** SWMU73SB0200	**SB02 5-6 ft** SWMU73SB0205	**Average Concentration**	**NMED SSL** (mg/kg)
Concentration (mg/kg)	4.5	2.4	4.5	2.8	**3.55**	3.9
						No exceedance

Drum: SB05 (total depth, 0–25 ft)

Benzo[a]pyrene	**SB05 0-1 ft** SWMU73SB0500	**SB05 5-6 ft** SWMU73SB0505	**SB05 11-12 ft** SWMU73SB0511	**SB05 11-12 ft (FD)** SWMU73SB0511D	**SB05 17-18 ft** SWMU73SB0517	**SB05 24-25 ft** SWMU73SB0524	**Average Concentration**	**NMED SSL** (mg/kg)
Concentration (mg/kg)	0.21	0.0026 U	0.0025 U	0.0025 U	0.0027 U	0.0026 U		
1/2 MDL for NDs	0.21	0.0013	0.00125	0.00125	0.00135	0.0013	**0.036**	*0.148*
								No exceedance