DIVISION OF
ENVIRONMENTAL QUALITY

Sarah Huckabee Sanders
GOVERNOR
Shane E. Khoury
SECRETARY

September 19, 2023

Philip Ofosu, Site Assessment Manager
U.S. EPA Region 6 (SEDAS)
1201 Elm Street, Suite 500
Dallas, TX 75270

RE: Site Inspection Report for Lewis Lumber and Manufacturing Company
136 West Mill Street
Cove, Polk County, Arkansas
EPA SEMS ID: ARD006348353; AFIN: 57-00020

Dear Mr. Ofosu:

The Division of Environmental Quality Office of Land Resources (DEQ) has completed the Site Inspection (SI) Report for the Lewis Lumber and Manufacturing Company ("Lewis Lumber") site located at 136 West Mill Street in Cove, Polk County, Arkansas. A copy of the SI Report is attached. The Hazard Ranking System (HRS) Quickscore package for this site is also included.

An SI was performed at the site due to its historical use as a lumber mill and wood treating facility. An HRS Quickscore was performed resulting in a site score of 12.37; therefore, DEQ has recommended no further investigation at this time.

If you have any questions or require additional information, please contact me at 501-683-0822 or by email at addie.smith@adeq.state.ar.us.

Sincerely,

ASmith

Addie Smith
Brownfield and Site Assessment Supervisor, Division of Environmental Quality
5301 Northshore Drive, North Little Rock, AR 72118

ENVIRONMENTAL QUALITY

SITE INSPECTION REPORT
FOR
LEWIS LUMBER AND MANUFACTURING COMPANY
EPA SEMS ID: ARD006348353
COVE, POLK COUNTY, ARKANSAS

Philip Ofosu
EPA Site Assessment Manager

Date

Dianna Kilburn, P.G.
Assessment and Remediation Senior Manager
Office of Land Resources
Arkansas Department of Energy and Environment, Division of Environmental Quality

9/19/23
Date

Addie Smith
Brownfield and Site Assessment Supervisor
Office of Land Resources
Arkansas Department of Energy and Environment, Division of Environmental Quality

9/19/2023
Date

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

ACRONYMS

AFIN	DEQ Facility Identification Number
ANHC	Arkansas Natural Heritage Commission
ANRC	Arkansas Natural Resources Commission
AOC	Area of Concern
AST	Aboveground Storage Tank
BNA	base/neutral/acid
bgs	below ground surface
CCA	Chromium Copper Arsenate
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLP	Contract Laboratory Program
CO	carbon monoxide
CRQL	Contract Required Quantitation Limit
DEQ	Arkansas Department of Energy and Environment Division of Environmental Quality Office of Land Resources
EPA	United States Environmental Protection Agency
HASP	Health and Safety Plan
HRS	Hazard Ranking System
IDW	Investigation Derived Wastes
NEPA	National Environmental Policy Act
NFRAP	No Further Remedial Action Planned
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
OSHA	Occupational Safety and Health Administration
PA	Preliminary Assessment
PCB	Polychlorinated biphenyl

ACRONYMS (cont.)

PDS	Permit Data System
$PM_{2.5}/PM_{10}$	particulate matter
PPE	Probable Point of Entry
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RSL	Regional Screening Level
RST	Regulated Storage Tank
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
SEMS	Superfund Enterprise Management System
SESSI	Soil Exposure and Subsurface Intrusion
SI	Site Inspection
SIP	Site Inspection Prioritization
SQG	Small Quantity Generator
SSSR	Superfund Site Strategy Recommendation
SVOC	Semi Volatile Organic Compound
SWPPP	Storm Water Pollution Prevention Plan
TAL	Target Analyte List
TCL	Target Compound List
TDL	Target Distance Limit
TWP	Task Work Plan
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This section explains the purpose of the Site Inspection (SI) conducted for the Lewis Lumber and Manufacturing Company ("Lewis Lumber") site and how the investigation findings are presented in this SI Report.

1.1 Purpose of the Investigation

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the 1986 Superfund Amendments and Reauthorization Act (SARA), the Arkansas Department of Energy and Environment Division of Environmental Quality Office of Land Resources (DEQ) has completed an SI for the Lewis Lumber site located in Cove, Polk County, Arkansas. The United States Environmental Protection Agency (EPA) tasked DEQ to complete this SI under the CERCLA Block-Funded Core/Multi-Site Cooperative Agreement. The EPA Superfund Enterprise Management System (SEMS) identification number for Lewis Lumber is ARD006348353.

This document represents the final report for the SI. The purpose of this report is to provide the background information collected for the site, discuss the SI field activities, and present the analytical data obtained as part of the investigation.

The SI phase follows the initial Preliminary Assessment (PA) investigation phase in the ongoing screening process of known and potential hazardous waste sites. The general purpose of an SI is to identify immediate and potential threats that hazardous substances attributable to the site may pose to human health and the environment by documenting the existence and migration of hazardous substances related to the site and by identifying the receptors, or targets, potentially exposed to the hazardous substances. The specific purpose of this SI is to characterize potential sources of CERCLA-eligible hazardous substances at the Lewis Lumber site and evaluate whether a release to soil, the primary exposure pathway of concern, or a release to surface water, the secondary migration pathway of concern, has occurred.

The information contained within this SI Report will be used to evaluate the site using the Hazard Ranking System (HRS) to help determine if Lewis Lumber is a potential candidate for inclusion on the National Priorities List (NPL). The intent of the SI is to provide the documentation necessary to rank a site on the NPL or assign a "No Further Remedial Action Planned" (NFRAP) status. DEQ may also use the information contained within this SI Report to evaluate the site for possible state-led actions under a variety of different programs intended to promote the cleanup of abandoned or inactive sites.

1.2 Scope of Work

The SI Scope of Work is centered on characterizing the site through the completion of limited site-related research, site reconnaissance, and sampling activities. As part of this SI, the following major tasks were performed:

- On-site reconnaissance was performed on May 30, 2018 and January 16, 2019 to identify potential sources of hazardous substances and to determine current site conditions, nearby land use, and potential alternative source sites.

- Information concerning the environmental setting of the site was obtained to describe the groundwater migration, surface water migration, soil exposure and subsurface intrusion (SESSI), and air migration pathways.

- Available regulatory compliance files from federal, state, and local government agencies were reviewed.

- An SI Task Work Plan (TWP), which included a Sampling and Analysis Plan (SAP), Quality Assurance Project Plan (QAPP), and a site-specific Health and Safety Plan (HASP), was prepared in August 2021, to provide a detailed plan of action for subsequent SI activities.

- DEQ conducted the SI field sampling activities on October 19 and 20, 2021. Samples were collected in known or suspected source areas at the site and in the suspected pathways, SESSI and surface water migration. The samples were collected in general accordance with the SI TWP to document the presence and migration of hazardous substances attributable to the site.

- Available information from on-site observations, records reviews, interviews, and site area environmental and demographic characteristics were evaluated.

- The SI samples were submitted to EPA Region 6 Laboratory and EPA Contract Laboratory Program (CLP) for analysis of Target Analyte List (TAL) metals, mercury, Target Compound List (TCL) organics (base/neutral/acid [BNA] fractions only), and TCL polychlorinated biphenyls (PCBs). The resulting data were reviewed and tabulated.

- This report was prepared to present the findings of the SI.

1.3 Report Format

The SI report is presented in a format that is intended to facilitate evaluation of the site using the HRS. The report contains the following sections:

- Section 1 – Introduction
- Section 2 – Site Characteristics
- Section 3 – Field Activities
- Section 4 – Source Characterization
- Section 5 – Groundwater Migration Pathway
- Section 6 – Surface Water Migration Pathway
- Section 7 – Soil Exposure and Subsurface Intrusion Pathway
- Section 8 – Air Migration Pathway

- Section 9 – Summary and Conclusions
- Section 10- References

Additional information is provided in the appendices following the text of the report. The appendices are as follows:

- Appendix A – EPA Region 6 Laboratory Final Analytical Report and Chain-of-Custody Forms
- Appendix B – EPA Region 6 Regional Screening Level Summary Table
- Appendix C – USGS Average Concentrations of Elements in Polk County, Arkansas
- Appendix D – Photographic Documentation

The figures and tables referenced throughout this SI Report are provided following the text of each section.

2.0 SITE CHARACTERISTICS

DEQ collected and reviewed available background information regarding the location, description, operational history, and regulatory compliance of the Lewis Lumber site. The discussion in this section of the report is based on this site characterization background information. Except as otherwise referenced, the information presented in this SI was obtained from sources compiled previously by DEQ and presented in the *Preliminary Assessment for Lewis Lumber and Manufacturing Company* dated April 2019, (Reference [Ref.] 1) and the *Task Work Plan for Lewis Lumber and Manufacturing Company* dated August 2021 (Ref. 2).

2.1 Site Location and Setting

The Lewis Lumber site is located at 136 W. Mill Street in Cove, Polk County, Arkansas. **Figure 2-1** provides the location of Polk County and the Lewis Lumber Site.

The Lewis Lumber site is located in a rural residential and agricultural area with a wooded area to the north; residences and North Lewis Street to the east; a wooded area and residences to the south; and residences and an open vegetated field to the west. West Mill Street intersects the site from the east and separates the site into a northern and southern portion.

Cove is located in western Polk County, along the western Arkansas state boundary. Cove has a population of 373 residents and 211 housing units within the town limits. The total land area is 1.73 square miles, with the population per square mile estimated at 216. According to Google Earth Pro, the approximate geographic coordinates for the center of the site are 34.440194º north latitude and 94.415292º west longitude. The site slopes down to the north at a grade of approximately five percent (5%), with the center of the site approximately 1,050 feet above mean sea level.

Figure 2-2 provides the site location and the 1-mile and 4-mile radius demarcations surrounding the Lewis Lumber site.

2.2 Site Description

The Lewis Lumber site is approximately 37 acres in size, and is situated in a rural residential and agricultural area. The site is not fenced and is easily accessible to trespassers; however, a gate is located at the entrance to the site on West Mill Street.

Approximately 20 buildings were formerly located on the Lewis Lumber site. The majority of the buildings had been demolished prior to the May 30, 2018 site reconnaissance. Demolition debris is located throughout the site, primarily in the locations of former buildings. Included within the demolition debris are empty 5-gallon hydraulic fluid buckets, small-quantity containers of various contents, broken universal waste bulbs, and various wiring and tubing. The only buildings remaining on-site are portions of the Chromium Copper Arsenate (CCA) Treatment Building on the southern portion of the site; a former residence on the western portion of the site; and an office, break building, and wooden frame of a plywood storage building on the northern portion of the site. All buildings remaining on-site are in poor condition. In addition to concrete foundations of former buildings, the remaining land cover at the site consists mostly of gravel and vegetated areas.

There are multiple burn piles and numerous areas of staining on gravel, concrete foundations, and soil, accompanied by hydrocarbon odor, located throughout the Lewis Lumber site. In addition, one concrete foundation on the northern portion of the site had staining in the shape of rings indicative of former 55-gallon drums. Areas of disturbed soil, presumably resulting from demolition activities, and a large sawdust pile are located on the north-central portion of the site.

The CCA Treatment Building is a grouping of buildings on the southern portion of the site that were adjoined over time. Areas of staining accompanied by hydrocarbon and chemical odors were located in numerous areas in and around the CCA Treatment Building.

Three aboveground storage tanks (ASTs), approximately 10,000 gallons each, are located within a concrete containment area under a portion of the CCA Treatment Building. One of the ASTs is labeled “Wood Chemicals Group CCA-C (50%) Wood Preservative.” These ASTs are collectively referred to as “CCA Treatment Tanks.” During site reconnaissance, all three CCA Treatment Tanks were empty. Green staining was visible on the CCA Treatment Tanks and inside the concrete containment area. In addition, during site reconnaissance, the concrete containment area surrounding the CCA Treatment Tanks contained liquid presumed to be rainwater.

Concrete saddles for additional former ASTs are located north of the CCA Treatment Tanks. A concrete catch/recirculation basin with a metal tank and sump on each side is located south of the CCA Treatment Tanks. The concrete catch/recirculation basin was stained and contained liquid presumed to be rainwater during site reconnaissance. A covered concrete drip pad and treatment area is located south of the catch/recirculation basin. During site reconnaissance, staining was visible on the concrete drip pad and treatment area; in particular, dense green staining was located on the south portion of the concrete drip pad. An approximately 18,000-gallon underground concrete containment area is located east of the CCA Treatment Tanks. During site

reconnaissance, this underground concrete containment area contained liquid presumed to be rainwater with sheen on the surface.

Near the south site boundary and the location of the former Dry Kiln, two pairs of 55-gallon drums connected by approximately 6-inch diameter pipes were located underground and surrounded by concrete. During site reconnaissance, both pairs of 55-gallon drums contained water presumed to be rainwater. The purpose of these drums could not be determined.

The majority of surface water runoff flows north off the site into Dry Creek approximately 250 feet north of the site. Dry Creek flows west into Mountain Fork approximately 13 miles downstream from the site.

Figure 2-3 provides an aerial view of the site and shows the site boundary, significant site features, and nearby land uses.

2.3 Site Ownership and History

The Lewis Lumber site ownership history was established via a review of Polk County property records, DEQ electronic records database ("Zylab"), and Arkansas Department of Transportation (ARDOT) historical aerial photographs.

Lewis Lumber began lumber mill operations on-site in 1958 and began wood treating in 1976. Prior to 1976, the majority of operations occurred on the northern portion of the site. Lewis Lumber operated on-site until 2009, when the property was sold to Jerry Hairrell and Hairrell Lumber began operations. Hairrell Lumber closed and ceased operations on December 30, 2010 due to bankruptcy. The site has remained inactive since this time.

The Lewis Lumber site is comprised of 17 parcels totaling approximately thirty-seven 37 acres, and is located in Section 4, Township 4 South, Range 32 West (S4 T4S R32W). A legal description for the entire Lewis Lumber site could not be obtained during this SI investigation.

2.3.1 Waste Characteristics and Regulatory Involvement

This section provides available information from DEQ records regarding waste characteristics and regulatory involvement at the Lewis Lumber site.

While in operation, the Lewis Lumber site was used as a lumber mill and wood treating facility. Lewis Lumber began lumber mill operations on-site in 1958 and began wood treating in 1976. Logs and precut stock, both hardwood and softwood, were received at the Lewis Lumber site by truck. The logs were cut to length and debarked. The debarked logs were either made into posts and poles or cut into timber for making pallets and skids or specialty lumber. The majority of the posts and poles were treated. Softwood needed to be kiln-dried prior to treating; however, the hardwood did not require drying. All wood treatment was done using a waterborne preservative. Once dried, the treated posts and poles were shipped off-site with the other wood products for sale.

DEQ records show that Lewis Lumber stored materials and generated potential waste containing the following contaminants: particulate matter ($PM_{2.5}$/PM_{10}), sulfur dioxide (SO2), carbon monoxide (CO), nitrogen oxides (NOx), and volatile organic compounds (VOCs). According to the Safety Data Sheet (SDS), the chromium copper acetate (CCA) Type C Wood Preservative used at the Lewis Lumber site was composed of chromic acid, arsenic acid, and copper oxide.

Potential sources of hazardous substances, pollutants, or contaminants observed on the Lewis Lumber site include the following:

- Demolition debris including empty 5-gallon hydraulic fluid buckets, small-quantity containers of various contents, broken universal waste bulbs, and various wiring and tubing;
- Multiple burn piles and numerous areas of staining on gravel, concrete foundations, and soil, accompanied by hydrocarbon odor;
- Staining in the shape of rings, indicative of former 55-gallon drums, on a concrete foundation;
- Areas of staining accompanied by hydrocarbon and chemical odors in numerous areas in and around the CCA Treatment Building;
- Three large CCA Treatment Tanks and associated concrete containment area with green staining;
- Concrete saddles for additional former ASTs north of the CCA Treatment Tanks;
- The stained concrete catch/recirculation basin with a metal tank and sump on each side;
- Staining on the concrete drip pad and treatment area, in particular, dense green staining on the south portion;
- The approximately 18,000-gallon underground concrete containment area with liquid, presumed to be rainwater, with a sheen on the surface; and
- Two pairs of underground 55-gallon drums with an unknown purpose connected by approximately 6-inch diameter pipes.

Regulatory Information

A review of DEQ Permit Data System (PDS) indicated that DEQ Facility Identification Number (AFIN) 57-00020 is associated with the Lewis Lumber site. Hairrell Lumber has an inactive hazardous waste EPA identification number (ARD006348353), Regulated Storage Tanks (RST) (Facility ID #57001609), a voided Minor Source Air Permit (2088-A), and a voided National Pollutant Discharge Elimination System (NPDES) Storm Runoff Permit (ARR00B362). In addition, according to DEQ records, the Lewis Lumber site was registered as a Small Quantity Generator (SQG) of hazardous waste.

Lewis Lumber was issued Minor Source Air Permit 2088-A on May 12, 2005. Hairrell Lumber was cited in 2007 for exceeding the 2088-A permit limit pertaining to the number of logs received. This permit was voided on April 8, 2013.

According to DEQ RST records, three 5,000-gallon diesel underground storage tanks (USTs) were historically located on the Lewis Lumber site. All three tanks were initially installed in 1975 and were removed in 1998.

A review of DEQ records indicated a history of poor hazardous waste management practices at the Lewis Lumber site including the following complaints and violations:

- Failure to submit hazardous waste annual reports by required deadlines;
- Multiple occurrences of exceeding stormwater runoff benchmarks;
- A complaint in May 1989 regarding CCA runoff from the drip pad leaving the site;
- Numerous hazardous waste management violations reported during a March 1993 Compliance Evaluation Inspection (CEI);
- Exceedance of 2088-A permit limit pertaining to the number of logs received during an Air inspection in January 2007; and
- Multiple items of concern noted in an Industrial Stormwater Compliance Inspection in April 2009 including failure to submit permit transfer paperwork, failure to prepare a Stormwater Pollution Prevention Plan (SWPPP), drums containing unknown fluids that needed to be identified and disposed of properly, large piles of discarded timber wastes and solid waste (two of which were directly on the bank of a small creek), and several areas of spilled oil-based fluids.

In addition, approximately 50 drums with varying amounts of unknown liquids and a pile of potentially contaminated debris were documented on-site during a CEI conducted in August 2012. A Notice of Violation (NOV) (LIS 13-075) was subsequently issued to Jerry Hairrell in May 2013 requiring all solid and hazardous waste on-site be identified and properly disposed, a DEQ-approved SAP including a plan for the drip pad closure to be developed and implemented, and additional remedial actions based upon the results of the implemented SAP. Jerry Hairrell filed for bankruptcy and insufficient funds were available to complete the sampling and clean-up activities outlined in the SAP. The site was abandoned upon closure of the bankruptcy case.

Based on the results of a Site Inspection Prioritization (SIP) Report prepared in 1994, a NFRAP decision was made for the Lewis Lumber site; however, the site remained active for over fifteen (15) additional years after the report was written and DEQ requested the site to be reevaluated under current conditions.

2.4 Previous Investigations

DEQ submitted a Potential Hazardous Waste Site Identification Form to EPA Region 6 for the Lewis Lumber site on August 30, 2018, and submitted a PA for the site on April 10, 2019. DEQ submitted a SI TWP to EPA Region 6 for the Lewis Lumber site on August 16, 2021. EPA Region 6 provided DEQ with a Superfund Site Strategy Recommendation (SSSR) form, approving the commencement of an SI, in August 2021.

As discussed above, the Lewis Lumber site was previously investigated and a SIP Report was prepared in 1994, recommending NFRAP under Superfund. However, the site continued to operate for over fifteen (15) additional years and DEQ requested that the site be reevaluated under current conditions.

2.5 Summary of PA Site Concerns

As described in the PA and the SI TWP, concerns associated with the sources at the site and the migration of, or exposure to, site-attributable hazardous substances through the groundwater migration, surface water migration, SESSI, and air migration pathways included the following:

- The historical use of the site as a lumber mill and wood treating facility;
- Demolition debris located throughout the site including empty 5-gallon hydraulic fluid buckets, small-quantity containers of various contents, broken universal waste bulbs, and various wiring and tubing;
- Multiple burn piles and numerous areas of staining on gravel, concrete foundations, and soil, accompanied by hydrocarbon odor;
- Staining in the shape of rings, indicative of former 55-gallon drums, on a concrete foundation;
- Areas of staining accompanied by hydrocarbon and chemical odors in numerous areas in and around the CCA Treatment Building;
- Three large CCA Treatment Tanks and associated concrete containment area with green staining;
- Concrete saddles for additional former ASTs north of the CCA Treatment Tanks
- The stained concrete catch/recirculation basin with a metal tank and sump on each side;
- Staining on the concrete drip pad and treatment area, in particular, dense green staining on the south portion;
- The approximately 18,000-gallon underground concrete containment area with liquid presumed to be rainwater with sheen on the surface;
- The two pairs of underground 55-gallon drums with unknown purpose connected by approximately 6-inch diameter pipes;
- The historical use of three 5,000-gallon diesel USTs;
- Multiple occurrences of exceeding stormwater runoff benchmarks;
- The complaint in May 1989 regarding CCA runoff from the drip pad leaving the site;
- Numerous hazardous waste management violations reported during a CEI in March 1993;
- Multiple items of concern noted in an Industrial Stormwater Compliance Inspection in April 2009; and
- The historical use of an unknown quantity of 55-gallon drums and small-quantity containers holding various contents.

The SESSI pathway and surface water migration pathway are of most concern based on the items listed above and the existence of targets. Potential soil exposure targets include site visitors, trespassers, and residents adjacent to the site. Potential subsurface intrusion targets include nearby workers, residents, and trespassers into buildings on the site. The surface water migration pathway includes surface water runoff that flows north off the site into Dry

Creek approximately 250 feet north of the site. Dry Creek flows west into Mountain Fork approximately thirteen (13) miles downstream from the site.

The groundwater migration pathway is of some concern due to the potential for releases at the Lewis Lumber site; however, the source of water for the residents of Cove is surface water, not groundwater. There are Arkansas Natural Resources Commission (ANRC) domestic groundwater wells and a public supply well located within a 4-mile radius of the Lewis Lumber site. No groundwater wells within a 4-mile radius of the site were recorded as drinking water wells on the ANRC Well Construction and Pump Installation Database; however, it is possible that some are being used for this purpose.

The air migration pathway is of least concern. Although there is the potential for releases to have occurred and nearby air migration pathway targets exist, no evidence of dust dispersion was noted during site reconnaissance and no current air emissions are being produced at the site.

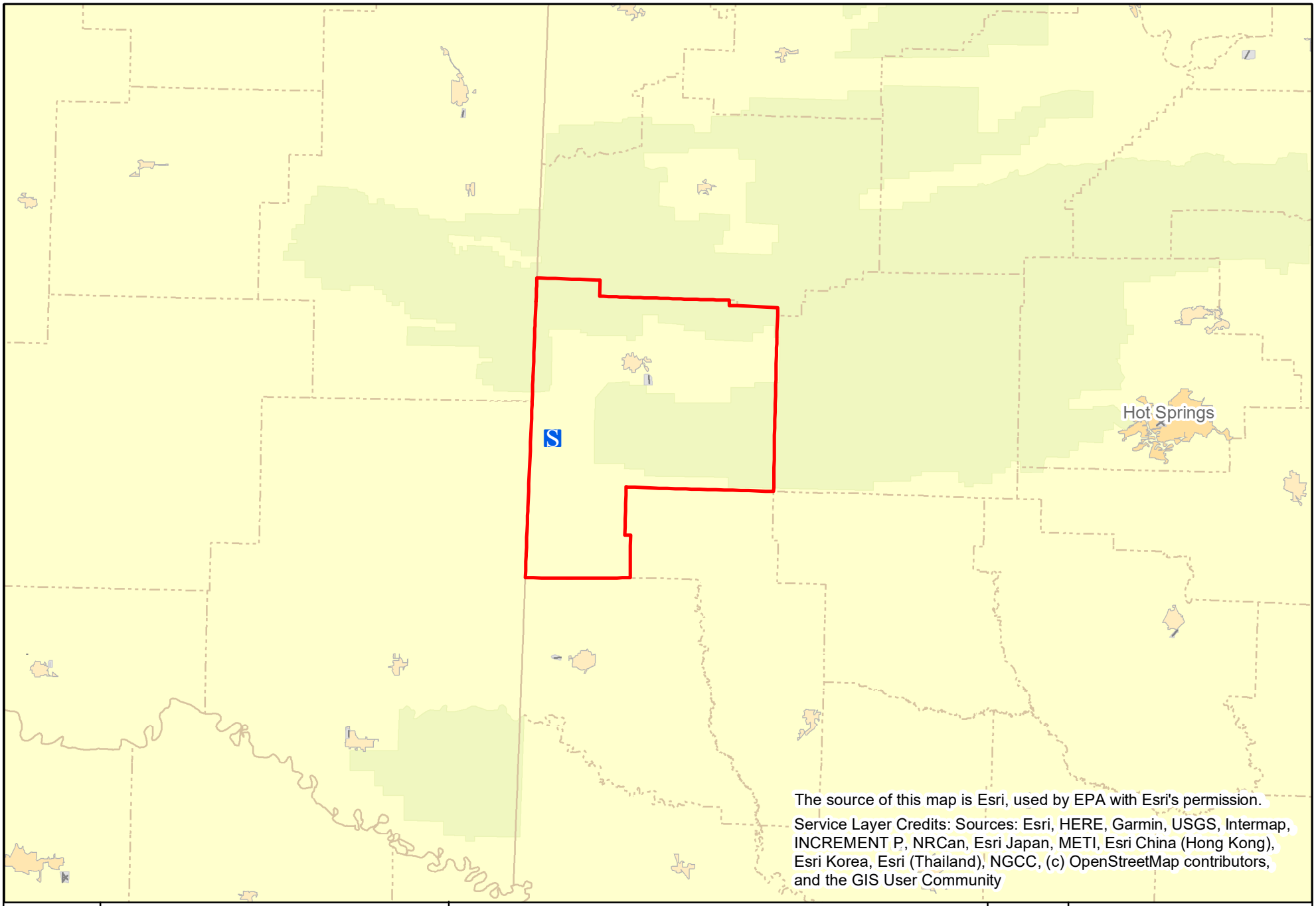
2.6 Summary of SI Site Concerns

The SI analytical results indicate that sediment, surface soil, and subsurface soil contamination is present at concentrations exceeding residential and industrial EPA Region 6 Regional Screening Levels (RSLs), Protection of Groundwater Soil Screening Levels (PGSSLs), sediment ecological screening levels, and three (3) times the maximum background concentrations established for this site.

Minor contamination was found throughout the site. In surface soil samples, contamination tended to be greatest on the southern half of the site. In subsurface soil samples, contamination tended to be greatest in on the northern half of the site. In sediment samples, contamination was fairly evenly distributed across the site.

The surface water pathway and the SESSI pathway were of most concern for the Lewis Lumber site. Because the drinking water intake is located in an entirely separate watershed, the surface water pathway received a relatively low score. Based on a lack of exposed or potentially exposed targets at the site, the SESSI pathway also scored relatively low. The site received a pre-score of 12.37. Based on this site pre-score, the risk to the nearby population is relatively low.

Figure 2-4 provides a map depicting the two Areas of Concern (AOCs) at the Lewis Lumber site. The AOCs are discussed in more detail in Section 4.3.3. Section 6.0 Surface Water Migration Pathway and Section 7.0 Soil Exposure and Subsurface Intrusion Pathway provide detailed discussions of the SI site concerns.



Lewis Lumber
Site Location and County Map
Figure 2-1

Legend:

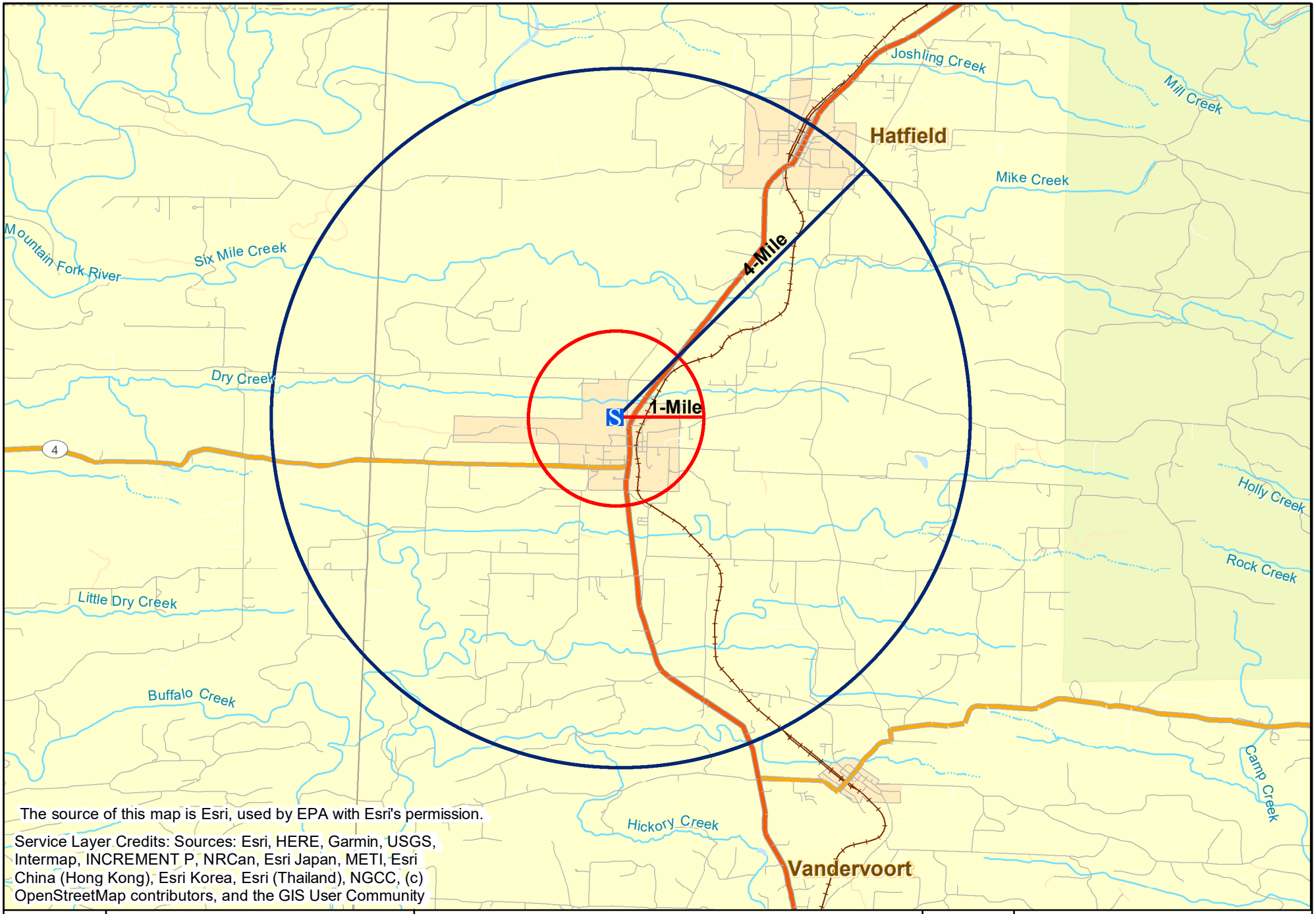
- Polk County
- Site Location

0 5 10 20 Miles

AFIN: 57-00020

Site Location and County Map

Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*



The source of this map is Esri, used by EPA with Esri's permission.

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

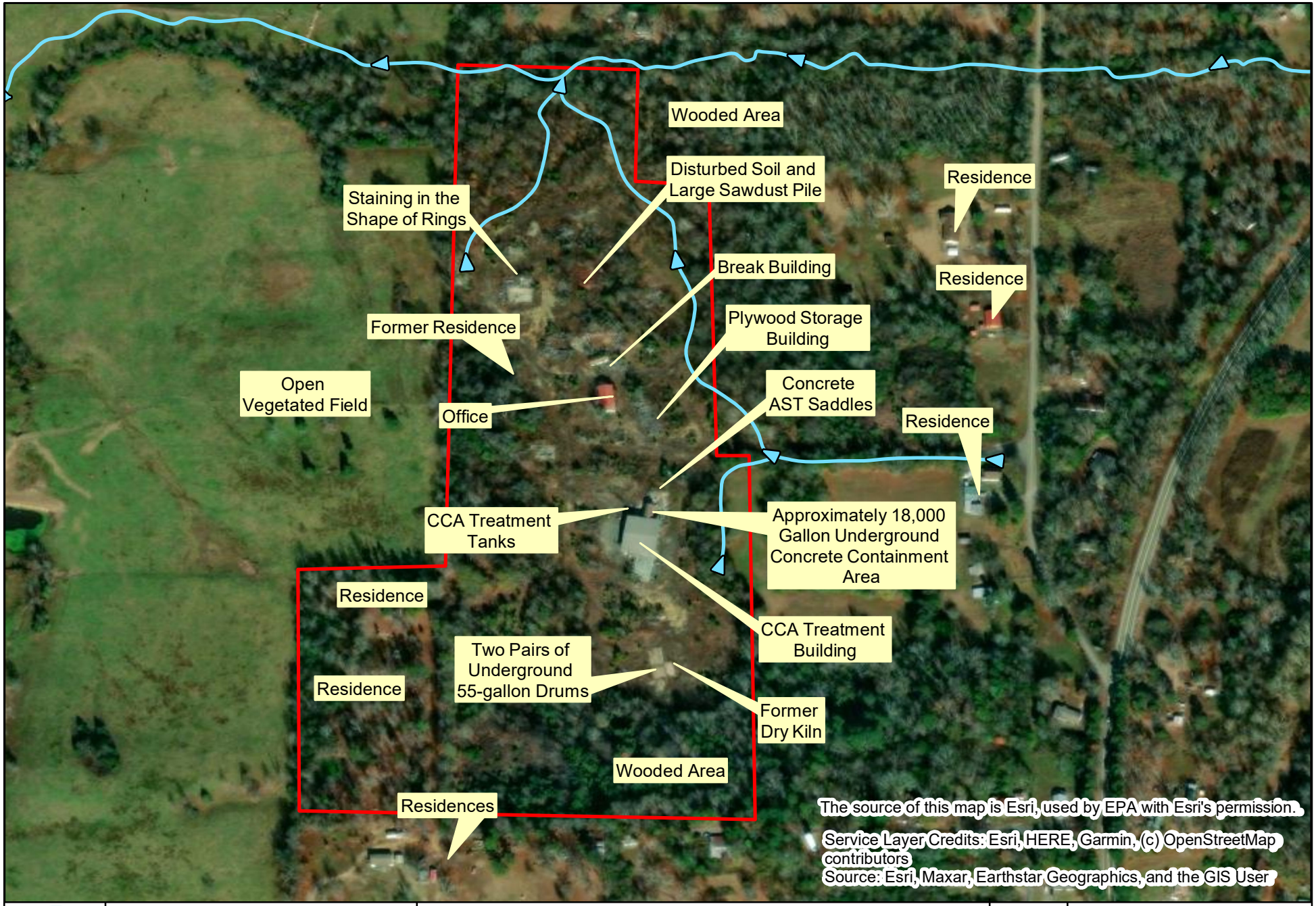
Lewis Lumber
1-Mile and 4-Mile Site Radius
Figure 2-2

Legend:
Site Location

0 0.5 1 2 Miles

AFIN:
57-00020

1-Mile and 4-Mile Radius	
Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*



Lewis Lumber

Site Map - Aerial View
Figure 2-3

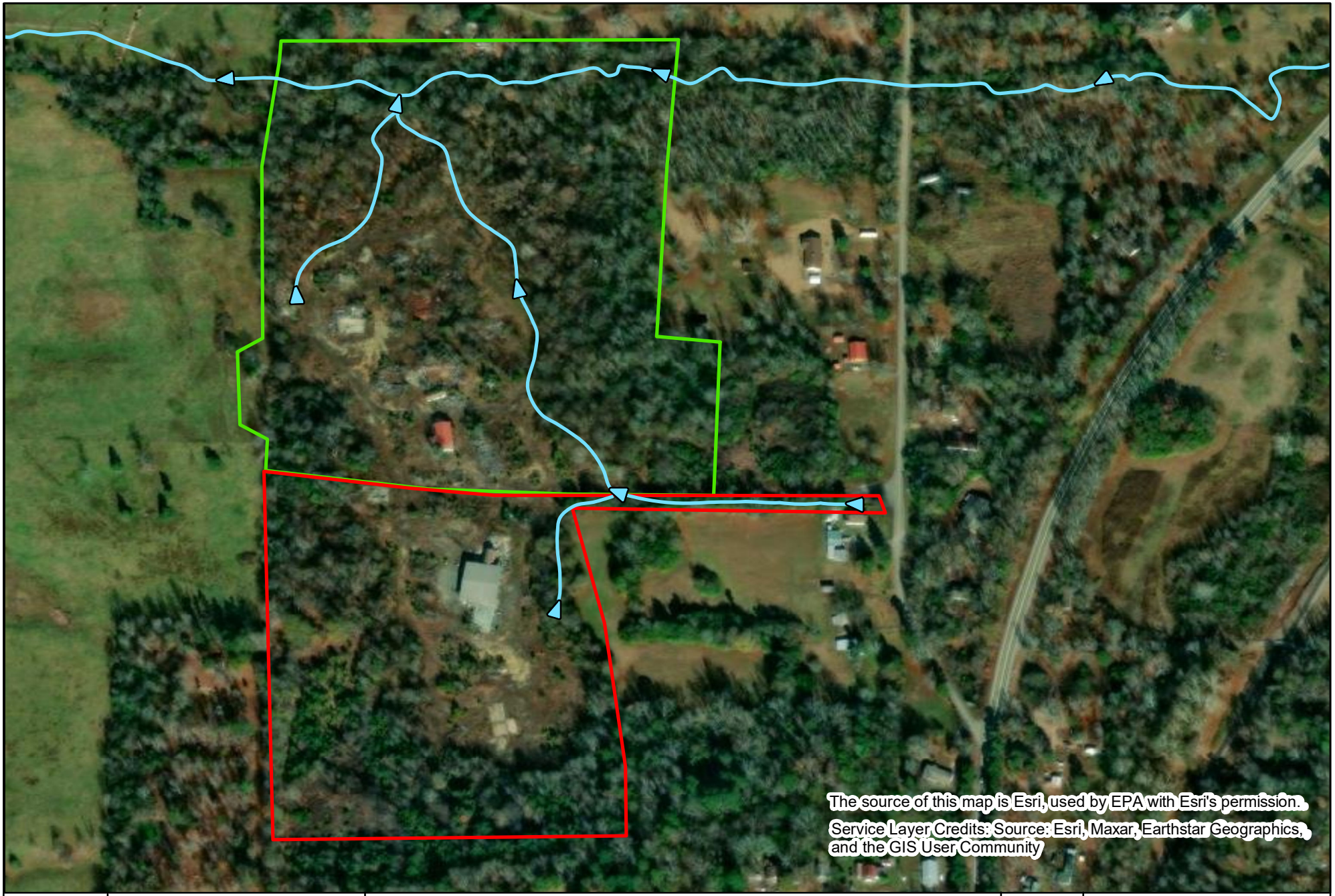
Legend:

- Site Boundary
- Site Drainage

0 125 250 500 Feet

AFIN: 50-00072

Site Map - Aerial View	
Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*



Lewis Lumber

Areas of Concern

Figure 2-4

Legend:

- AOC 1
- AOC 2
- Site Drainage

0 120 240 480 Feet

N

AFIN: 57-00020

Areas of Concern	
Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*

3.0 FIELD ACTIVITIES

DEQ conducted the SI field activities on October 19 and 20, 2021. The field activities were completed in accordance with the SI TWP, which included a SAP, QAPP, and the site-specific HASP.

3.1 Sampling Activities

The SI field sampling strategy focused on collecting samples from on-site and off-site locations to define the affected media and document the existence and migration of contaminants associated with the site. As part of the SI field efforts, the following tasks were completed and are described in this section:

- Sample Nomenclature
- Sediment Sampling
- Surface Water Sampling
- Surface Soil Sampling
- Subsurface Soil Sampling
- Background Sampling
- Field Quality Assurance (QA) and Quality Control (QC) Sampling

At all sediment, surface soil, and subsurface soil stations, either a pre-sterilized plastic scoop or stainless steel trowel was used to scrape away the top layer (approximately 0.5 inches) of soil and vegetation prior to sample collection. The sediment and surface soil samples were collected from depths ranging from zero (0) to six (6) inches below ground surface (bgs) and the subsurface soil samples were collected from depths ranging from six (6) to eighteen (18) inches bgs. The samples were collected using clean nitrile gloves at every location and pre-sterilized disposable plastic scoops at every sediment and surface soil location. A metal hand auger was used to help collect subsurface soil samples. All samples were sealed and labeled immediately after sampling.

3.1.1 Sample Nomenclature

The nomenclature for samples collected during DEQ's field activities is represented by the following:

Station ID and Collection Type – Sequential Sample

The Station ID and Collection Type is a 2 to 5-digit code designating the physical location where the sample was collected and the sample type. For the purposes of this report, a sampling location is referred to as a station. The Sequential Sample is a 2-digit code that represents the n^{th} sample location of common collection types chosen during the SI TWP.

For example, the nomenclature for SSBK-01 indicates the first chosen location for a background surface soil sampling station. SS-01 indicates the first chosen location for a

surface soil sampling station. SDBK-01 indicates the first chosen location for a background sediment sampling station. SD-01 indicates the first chosen location for a sediment sampling station. SBSBK-01 indicates the first chosen location for a background subsurface soil sampling station. SBS-01 indicates the first chosen location for a subsurface soil sampling station.

Figure 3-1 provides the approximate sample locations in AOC 1. **Figure 3-2** provides the approximate sample locations in AOC 2. **Figure 3-3** provides the approximate sample locations of background samples. The sample station descriptions and rationales are summarized in **Table 3-1**.

3.1.2 Sediment Sampling

Sediment samples were collected to assess the surface water migration pathway. DEQ collected a total of ten (10) sediment samples, including one (1) background sample and one (1) QA duplicate sample.

3.1.3 Surface Water Sampling

The Lewis Lumber site has no on-site perennial surface water bodies. The majority of surface water flows off-site into Dry Creek approximately 250 north of the site. Because Dry Creek flow intermittently, no surface water samples were collected. Only sediment samples were collected to assess the surface water migration pathway.

3.1.4 Surface Soil Sampling

Surface soil samples were collected to assess the horizontal extent of soil contamination across the site. DEQ collected a total of twenty-five (25) surface soil samples, including two (2) background samples and three (3) QA duplicate samples.

3.1.5 Subsurface Soil Sampling

Subsurface soil samples were collected to assess the vertical extent of soil contamination across the site. DEQ collected a total of seven (7) subsurface samples, including one (1) background sample and one (1) QA duplicate sample.

3.1.6 Background Sampling

Background sampling activities were conducted to determine natural levels of site-related constituents in areas not affected by site activities.

One (1) background sediment samples was collected. SDBK-01 background sediment sample station is located northeast off the site in Dry Creek in a vegetated area off of Polk 141.

Two (2) background surface soil samples were collected. SSBK-01 background surface soil sample station is located northeast of the site in a vegetated area off of Polk 141. SSBK-02 surface soil sample station is located southeast of the site in an open area between US 59 and Polk 141.

One (1) background subsurface soil sample was collected. SBSBK-01 background subsurface soil sample station is located northeast of the site in a vegetated area off of Polk 141.

Figure 3-3 provides the approximate locations of background samples.

3.1.7 Field Quality Assurance and Quality Control Sampling

One (1) field duplicate sample was collected for sediment, three (3) field duplicate samples were collected for surface soil, and one (1) field duplicate sample was collected for subsurface soil. Analysis of the field duplicate samples allows for the evaluation of precision of the sample collection and analytical process.

3.2 Health and Safety

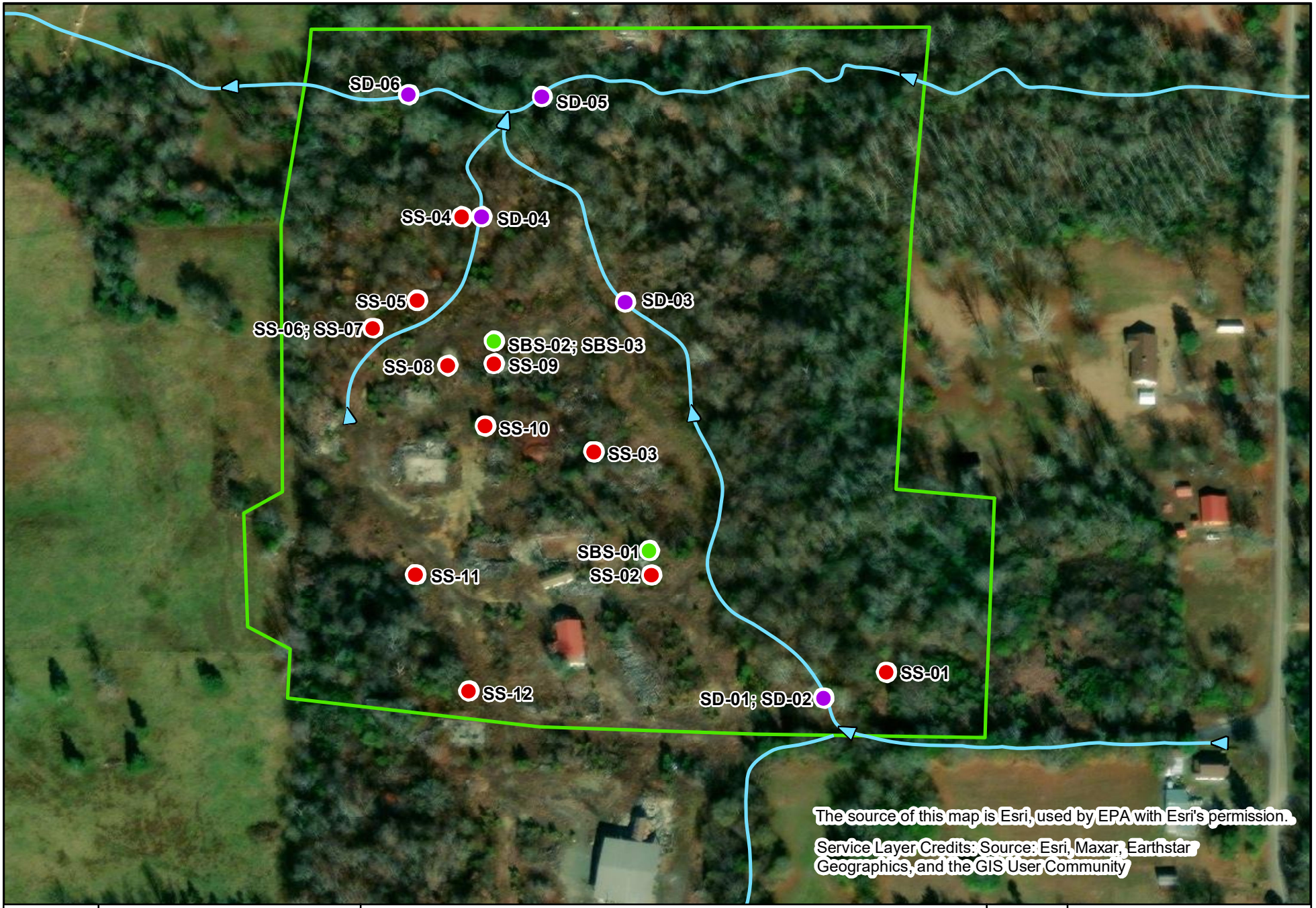
Prior to conducting the SI field activities, DEQ developed a site-specific HASP for use by DEQ personnel. The HASP was included in the SI TWP and addressed potential chemical, physical, and biological hazards; personal protective equipment; contingencies for upgrade of personal protective equipment; and procedures for handling site emergencies such as fire, security, and injury to personnel.

3.2.1 Site Health and Safety

The site-specific HASP met the requirements of the Occupational Safety and Health Administration (OSHA) Section 29 Part 1910.120 for workers engaged in hazardous waste activities. The DEQ Project Manager for the Lewis Lumber site was responsible for HASP implementation during the SI field activities. Level D personal protective equipment was used for the duration of the SI activities as no action levels requiring an upgrade of personal protective equipment or emergency conditions were encountered.

3.2.2 Investigation Derived Wastes Management

During the Lewis Lumber SI Sampling Event, the DEQ sampling team generated investigation derived wastes (IDW) including disposable sampling equipment, personal protective equipment, paper towels, and garbage bags. All generated IDW was managed consistent with EPA guidance set forth in Management of Investigation-Derived Wastes During Site Inspections (EPA/540/G-91/9009) (Ref. 3).



Lewis Lumber
Sampling Locations
AOC 1
Figure 3-1

Legend:
- AOC 1
- Site Drainage
- Surface Soil Sample
- Subsurface Soil Sample
- Sediment Sample

0 40 80 160 Feet

AFIN: 57-00020

Sampling Locations - AOC 1

Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*

Lewis Lumber

Sampling Locations
AOC 2
Figure 3-2

Legend:

- Site Drainage
- AOC 2
- Subsurface Soil Sample
- Surface Soil Sample
- Sediment Sample

0 40 80 160 Feet

AFIN: 57-00020

Sampling Locations - AOC 2

Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*

Lewis Lumber

Background Sample Locations
Figure 3-3

Legend:

- AOC 1
- AOC 2
- Subsurface Soil Sample
- Surface Soil Sample
- Sediment Sample
- Site Drainage

0 105 210 420 Feet

AFIN: 57-00020

Background Sample Locations

Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*

Table 3-1.
Sampling Station Descriptions and Rationales

Station Identification/Type	Description	Rationale	Sample Identification/QC Type
SSBK-01 Background Surface Soil	Off-site area presumed to be representative; northeast of the site in a vegetated area off of Polk 141.	Low concentration sample collected to document background conditions in the soil exposure and subsurface intrusion pathway.	Background
SSBK-02 Background Surface Soil	Off-site area presumed to be representative; southeast of the site in an open area between US 59 and Polk 141.	Low concentration sample collected to document background conditions in the soil exposure and subsurface intrusion pathway.	Background
SBSBK-01 Background Subsurface Soil	Off-site area presumed to be representative; northeast of the site in a vegetated area off of Polk 141.	Low concentration sample collected to document background conditions in the soil exposure and subsurface intrusion pathway.	Background
SDBK-01 Background Sediment	Off-site area presumed to be representative; northeast of the site in Dry Creek in a vegetated area off of Polk 141.	Low concentration sample collected to document background conditions in the soil exposure and subsurface intrusion pathway.	Background
SS-01 Surface Soil	AOC 1–Northern Half of Site; in vegetated field to the east.	Low sample collected to document potential on-site contamination.	Normal
SS-02 Surface Soil	AOC 1–Northern Half of Site; located east of concrete AST saddles.	Low sample collected to document potential on-site contamination.	Normal
SS-03 Surface Soil	AOC 1–Northern Half of Site; along northern side of previous Plywood Storage Building.	Low sample collected to document potential on-site contamination.	Normal
SS-04 Surface Soil	AOC 1–Northern Half of Site; Located along northern PPE drainage ditch.	Low sample collected to document potential on-site contamination.	Normal
SS-05 Surface Soil	AOC 1–Northern Half of Site; North of slab with staining in the shape of rings.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-06 Surface Soil	AOC 1–Northern Half of Site; West of slab with staining in the shape of rings.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-07 Surface Soil	Duplicate of SS-06.	Field Duplicate	Field Duplicate
SS-08 Surface Soil	AOC 1–Northern Half of Site; West of disturbed soil and large sawdust pile.	Low concentration sample collected to document potential on-site contamination.	Normal

Table 3-1. (cont.)
Sampling Station Descriptions and Rationales

Station Identification/Type	Description	Rationale	Sample Identification/QC Type
SS-09 Surface Soil	AOC 1–Northern Half of Site; disturbed soil and large sawdust pile.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-10 Surface Soil	AOC 1–Northern Half of Site; Northeast of slab containing staining in the shape of rings.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-11 Surface Soil	AOC 1–Northern Half of Site; Western edge of area along wooded area.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-12 Surface Soil	AOC 1–Northern Half of Site; Southwestern edge of area along wooded area.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-13 Surface Soil	AOC 2 – Southern Half of Site; Directly south of W Mill Street in western portion of a small vegetated area.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-14 Surface Soil	AOC 2 – Southern Half of Site; Directly south of W Mill Street in eastern portion of a small vegetated area.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-15 Surface Soil	AOC 2 – Southern Half of Site; Located between the Plywood Storage Building and concrete AST saddles.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-16 Surface Soil	AOC 2 – Southern Half of Site; Located along vegetated area east of the concrete AST saddles.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-17 Surface Soil	Duplicate of SS-16.	Field Duplicate	Field Duplicate
SS-18 Surface Soil	AOC 2 – Southern Half of Site; Along eastern edge of the Underground Containment Area.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-19 Surface Soil	AOC 2 – Southern Half of Site; At southeastern corner of the CCA Treatment Building.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-20 Surface Soil	AOC 2 – Southern Half of Site; In vegetated area south of the CCA Treatment Building.	Low concentration sample collected to document potential on-site contamination.	Normal

Table 3-1. (cont.)
Sampling Station Descriptions and Rationales

Station Identification/Type	Description	Rationale	Sample Identification/QC Type
SS-21 Surface Soil	AOC 2 – Southern Half of Site; Open area north of the location of the Former Dry Kiln.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-22 Surface Soil	AOC 2 – Southern Half of Site; Located directly west of the two pairs of underground 55-gallon drums.	Low concentration sample collected to document potential on-site contamination.	Normal
SS-23 Surface Soil	Duplicate of SS-22.	Field Duplicate	Field Duplicate
SBS-01 Subsurface Soil	AOC 1–Northern Half of Site; along southern edge of the Plywood Storage Building.	Low concentration sample collected to document potential on-site contamination.	Normal
SBS-02 Subsurface Soil	AOC 1–Northern Half of Site; directly north of disturbed soil and large sawdust pile.	Low concentration sample collected to document potential on-site contamination.	Normal
SBS-03 Subsurface Soil	Duplicate of SBS-02.	Field Duplicate	Field Duplicate
SBS-04 Subsurface Soil	AOC 2 – Southern Half of Site; Located along vegetated area east of the concrete AST saddles.	Low concentration sample collected to document potential on-site contamination.	Normal
SBS-05 Subsurface Soil	AOC 2 – Southern Half of Site; Along eastern edge of the CCA Treatment Building.	Low concentration sample collected to document potential on-site contamination.	Normal
SBS-06 Subsurface Soil	AOC 2 – Southern Half of Site; Directly west of the two pairs of underground 55-gallon drums.	Low concentration sample collected to document potential on-site contamination.	Normal
SD-01 Sediment	AOC 1–Northern Half of Site; Northern portion of drainage ditch running perpendicular to W Mill Street.	Low concentration sample collected to document potential on and off-site contamination.	Normal
SD-02 Sediment	Duplicate of SD-01.	Field Duplicate	Field Duplicate
SD-03 Sediment	AOC 1–Northern Half of Site; PPE and drainage ditch running northwest to Dry Creek.	Low concentration sample collected to document potential on-site contamination.	Normal
SD-04 Sediment	AOC 1–Northern Half of Site; Convergence of site drainage in northernmost portion leading into Dry Creek.	Low concentration sample collected to document potential on-site contamination.	Normal

Table 3-1. (cont.)
Sampling Station Descriptions and Rationales

Station Identification/Type	Description	Rationale	Sample Identification/QC Type
SD-05 Sediment	AOC 1–Northern Half of Site; Eastern portion of Dry Creek before site drainage.	Low concentration sample collected to document potential on-site contamination.	Normal
SD-06 Sediment	AOC 1–Northern Half of Site; Western portion of Dry Creek after site drainage.	Low concentration sample collected to document potential on-site contamination.	Normal
SD-07 Sediment	AOC 2 – Southern Half of Site; Southern portion of drainage ditch running perpendicular to W Mill Street.	Low concentration sample collected to document potential on-site contamination.	Normal
SD-08 Sediment	AOC 2 – Southern Half of Site; Eastern drainage ditch located east of the CCA Treatment Building.	Low concentration sample collected to document potential on-site contamination.	Normal
SD-09 Sediment	AOC 2 – Southern Half of Site; Easternmost drainage ditch located near entrance to site along W Mill Street.	Low concentration sample collected to document potential on-site contamination.	Normal

4.0 SOURCE CHARACTERIZATION

The sources of CERCLA-eligible hazardous substances identified at the site are described in this section along with site-related concerns regarding the migration of these substances.

4.1 Designation of Background

DEQ evaluated the analytical data associated with the sediment, surface soil, and subsurface soil samples collected as background samples during the SI investigation. Based on this review, the sediment, surface soil, and subsurface soil samples designated as background samples appear to have been collected from areas not impacted by site activities.

Arsenic concentrations exceeded the residential RSL in background samples SDBK-01, SSBK-01, SSBK-02, and SBSBK-01. No background sample concentrations exceeded the mean concentration for arsenic recorded by the United States Geological Survey (USGS) within Polk County. The USGS's mean arsenic concentration in Polk County is 6.532 mg/kg, with a maximum concentration of 10.088 mg/kg (Ref. 4).

The results of the background samples are provided in **Table 4-1** and are also discussed in Section 6.0 Surface Water Pathway and Section 7.0 Soil Exposure and Subsurface Intrusion Pathway. These results are tabulated in tables following the text of these sections.

4.2 Sources of CERCLA-Eligible Hazardous Substances

For source characterization purposes, sediment samples are those that were collected from a depth of zero (0) to six (6) inches bgs, surface soil from a depth of zero (0) to six (6) inches bgs, and subsurface soil from a depth of six (6) to eighteen (18) inches bgs. Analytical results from sediment, surface soil, and subsurface soil samples were compared to three (3) times the maximum background concentrations detected in the background samples and residential and industrial RSLs. Additionally, sediment samples were compared to sediment and freshwater ecological screening levels.

Based on the results of DEQ's field sampling activities, areas of contaminated sediment, surface soils, and subsurface soils have been identified. The specific dimensions of contaminated soil have not been estimated based on analytical results. For SI scoring purposes, the area of contaminated soil as assumed to be greater than 0 square feet.

4.3 Source Sampling and Results

The following Sections summarize the sampling activities performed for source waste characterization during the SI field activities and previous investigations. Relevant data related to the sources are provided.

4.3.1 Previous Source Sampling and Analytical Results

No previous source sampling has been conducted at the Lewis Lumber site.

4.3.2 SI Sample Laboratory Analyses

DEQ shipped a total of forty-two (42) SI samples to the EPA Region 6 Laboratory in Houston, Texas or the EPA CLP by Federal Express Overnight Service.

The samples were analyzed for the following parameters:

- TAL inorganic constituents (total metals) and mercury
- TCL organics (BNA fractions only)
- TCL PCBs

Analytical results summaries of samples collected during this SI are provided in Section 6.0 and Section 7.0, excerpts from the data package prepared by the Region 6 Laboratory are provided in **Appendix A**. A data validation review of the laboratory analytical data was performed by the EPA Environmental Services Assistance Team in Houston, Texas. The data reviewer's comments are also included in **Appendix A**. BNAs will be referenced as semi-volatile organic compounds (SVOCs) for the remainder of this SI.

Analytical results indicated the presence of TAL inorganic constituents, or total metals, as well as SVOCs and TCL PCBs. This SI Report presents and discusses the analytical results for total metals, SVOCs, and TCL PCB constituents.

4.3.3 SI Source Sampling and Analytical Results

As discussed in Section 3.1, DEQ collected a total of forty-two (42) sediment, surface soil, and subsurface soil samples in an effort to characterize contaminant concentrations in those media and document the presence of hazardous substances associated with the suspected sources. Sediment, surface soil, and subsurface soil sample concentrations were compared to three (3) times the background concentrations, residential soil RSLs, and industrial soil RSLs. Samples of these media that exceeded these screening levels were used to characterize sources of contamination. Sediment samples were also compared to sediment ecological screening levels, and exceedances of these screening levels were used to characterize sources of sediment contamination. Subsurface soil samples were also compared to PGSSLs, and exceedances of these screening levels were used to characterize sources of subsurface soil contamination.

A judgmental, or biased, sampling design was used to select the sampling locations. As noted in the SI TWP, the PA identified multiple potential sources, or AOCs. The AOCs and associated sampling media considered in the sampling design are provided below.

AOC-1 – Northern Portion of Site: The portion of the site north of W. Mill Street includes an office, break building, a concrete foundation with ring-shaped staining, a wooden frame of a plywood storage building, areas of disturbed soil, and a large sawdust pile.

AOC-2 – Southern Portion of Site: The portion of the site south of W. Mill Street includes the CCA Treatment Building, CCA Treatment Tanks, concrete AST saddles, approximately 18,000-gallon concrete underground containment area, former Dry Kiln, and two pairs of underground 55-gallon drums.

Concentrations of the following analytes were not detected in the background samples but were detected in corresponding media site characterization samples. Three (3) times maximum background concentration values could not be established for the following analytes:

Sediment:

- Antimony
- Cadmium
- Mercury
- Hexachlorocyclopentadiene
- Aroclor-1248
- Aroclor-1254

Surface Soil:

- Antimony
- 1,4-Dioxane
- bis(2-Ethylhexyl)phthalate
- Di-n-butylphthalate
- Hexachlorocyclopentadiene
- Aroclor-1260

Subsurface Soil:

- Mercury
- Calcium

CLP Contract Required Quantitation Limit (CRQL) values were used in lieu of background concentrations to determine observed contamination criteria for these analytes. RSLs, if determined, were used to evaluate all site characterization samples. PGSSLs, if determined, were also used to evaluate subsurface soil samples. Sediment ecological screening levels, if determined, were also used to evaluate sediment samples. A copy of the EPA Region 6 RSL table is provided in **Appendix B**. In addition, USGS Average Concentrations of Elements in Polk County, Arkansas was also used to evaluate concentrations of metals found in samples. A table of the USGS Average Concentrations of Elements in Polk County, Arkansas is provided in **Appendix C**.

The surface water migration and SESSI pathways were of most concern; therefore, Section 6.0 Surface Water Pathway and Section 7.0 Soil Exposure and Subsurface Intrusion Pathway provide a complete discussion of the source sampling and analytical results for this SI.

Sediment:

Nine (9) sediment site characterization samples were collected at the site. The concentrations of constituents detected in sediment samples are tabulated and discussed in Section 6.0.

Nineteen (19) metals were detected in site characterization sediment samples. Twelve (12) metals were detected in concentrations that equal or exceed three (3) times the maximum background concentrations, which indicate observed releases of arsenic, chromium, copper, nickel, zinc, aluminum, barium, calcium, cobalt, iron, magnesium, and manganese.

Arsenic exceeds the residential soil RSL in all sediment samples, with seven (7) of these samples also exceeding the industrial soil RSL and four (4) also exceeding the sediment ecological screening level for arsenic. Eight (8) sediment samples have metal concentrations that exceed sediment ecological screening levels.

Four (4) site characterization sediment samples exceed the maximum concentration for arsenic recorded by the USGS within Polk County, which is 10.088 mg/kg. One (1) site characterization sediment sample (SD-08) exceeds the maximum concentration for copper recorded by the USGS within Polk County, which is 34.107 mg/kg. Two (2) site characterization sediment samples (SD-08 and SD-09) exceed the maximum concentration for mercury recorded by the USGS within Polk County, which is 0.166 mg/kg. Five (5) site characterization sediment samples exceed the maximum concentration for calcium recorded by the USGS within Polk County, which is 2,580 mg/kg.

One SVOC compound, Hexachlorocyclopentadiene, was detected in five (5) site characterization sediment samples. The concentrations of hexachlorocyclopentadiene in the site characterization sediment samples were less than three (3) times maximum background concentrations. Therefore, detections are not considered an observed release of hexachlorocyclopentadiene. Additionally, the concentrations detected were below applicable screening levels.

Two (2) PCBs were detected in site characterization sediment samples. Aroclor-1248 and Aroclor-1254 were detected above the residential and industrial soil RSLs in one (1) sample (SD-09), and were not detected in the background sediment sample. The concentrations of these PCBs in the site characterization sediment samples exceeded the adjusted CRQL; therefore, these detections are considered observed releases of Aroclor-1248 and Aroclor-1254.

Surface Soil:

Twenty-three (23) surface soil site characterization samples were collected at the Lewis Lumber site. The concentrations of constituents detected in surface soil samples are tabulated and discussed in Section 7.0.

Nineteen (19) metals were detected in site characterization surface soil samples. Nine (9) metals were detected at concentrations that exceed three (3) times the maximum background concentrations. These sample results document observed contamination by arsenic, cadmium, chromium, copper, zinc, calcium, cobalt, manganese and potassium.

Arsenic exceeded the residential soil RSL in all twenty-three (23) site characterization surface soil samples, with twenty-one (21) of these samples also exceeding the industrial soil RSL for arsenic.

Thirteen (13) site characterization surface soil samples exceed the maximum concentration for arsenic recorded by the USGS within Polk County, which is 10.088 mg/kg. Seven (7) site characterization subsurface soil samples exceed the maximum concentration for copper recorded by the USGS within Polk County, which is 34.107 mg/kg.

One site characterization surface soil sample (SS-19) exceeds the maximum concentration for zinc recorded by the USGS within Polk County, which is 258.067 mg/kg. One (1) site characterization surface soils sample (SS-05) exceeds the maximum concentration for calcium recorded by the USGS within Polk County, which is 2,580 mg/kg.

Four (4) SVOCs were detected in surface soil site characterization surface soil samples. 1,4-Dioxane was detected in three (3) surface soil site characterization samples; bis(2-Ethylhexyl)phthalate was detected in one (1) surface soil site characterization sample; di-n-butylphthalate was detected in one (1) surface soil site characterization sample; and hexachlorocyclopentadiene was detected in thirteen (13) surface soil site characterization samples. No SVOCs were detected in background surface soil samples. No SVOC concentrations in surface soil site characterization samples exceeded the adjusted CRQL; therefore, these detections of SVOCs in site characterization surface soil samples do not document observed contamination.

One (1) PCB, Aroclor-1260, was detected in one (1) site characterization surface soil sample (SS-11) at a concentration exceeding the residential soil RSL and its adjusted CRQL. No PCBs were detected in any background samples. This sample result documents observed contamination by Aroclor-1260.

Subsurface Soil:

Six (6) site characterization subsurface soil samples were collected at the Lewis Lumber site. The concentrations of constituents detected in subsurface soil samples are tabulated and discussed in Section 7.0.

Seventeen (17) metals were detected in site characterization subsurface soil samples. Nine (9) metals were detected concentrations that exceed three (3) times the maximum background concentrations, which indicate observed contamination by arsenic, copper, lead, nickel, zinc, aluminum, iron, magnesium, and vanadium.

All of the site characterization subsurface soil samples had arsenic concentrations above the residential soil RSL, with one (1) of these sample concentrations also exceeding the industrial soil RSL for arsenic. The concentrations of arsenic in site characterization

subsurface soil samples are all below the maximum background concentration of arsenic recorded by the USGS within Polk County, which is 10.088 mg/kg.

No site characterization subsurface soil samples exceeded the maximum background concentrations of metals recorded by the USGS within Polk County.

No SVOCs or PCBs were detected in site characterization subsurface soil samples.

4.4 Source Characterization Conclusions

DEQ collected a total of 42 sediment, surface soil, and subsurface soil samples (including four (4) background samples and five (5) QA duplicate samples). The samples were collected from off-site background stations and various on-site stations associated with suspected sources.

The following conclusions can be drawn from each sampled medium:

Sediment

Arsenic, chromium, copper, nickel, zinc, aluminum, barium, calcium, cobalt, iron, magnesium, and manganese are all present in concentrations exceeding three (3) times the maximum background concentrations. The concentrations establish an observed release of each of these metals.

One (1) SVOC, hexachlorocyclopentadiene, was detected in site characterizations sediment samples, but did not exceed three (3) times the maximum background concentration of hexachlorocyclopentadiene in sediment. Therefore, concentrations of hexachlorocyclopentadiene detected in site characterization sediment samples are not considered to be observed releases.

Aroclor-1248 and Aroclor-1254 were detected in site characterization samples, and were not detected in background samples. Because the concentrations exceed the adjusted CRQL for each analyte, these samples establish observed releases of Aroclor-1248 and Aroclor-1954.

Observed releases to the sediment at the site have been established for the following analytes: arsenic, chromium, copper, nickel, zinc, aluminum, barium, calcium, cobalt, iron, magnesium, manganese, Aroclor-1254, and Aroclor-1254.

Surface Soil

Arsenic, cadmium, chromium, copper, zinc, calcium, cobalt, manganese, and potassium are all present in concentrations exceeding three (3) times the maximum background concentrations. These concentrations establish observed contamination by each of these metals.

Four (4) SVOCs were detected in site characterizations surface soil samples and were not detected in the background surface soil sample. However, the concentrations of these SVOCs did not exceed the adjusted CRQL for each analyte, so these detections are not indications of observed contamination.

One (1) PCB, Aroclor-1260, was detected in a site characterization sediment sample and was not detected in the background sediment sample. Because the concentration exceeds the adjusted CRQL, this sample result establishes observed contamination by Aroclor-1260.

Observed contamination in the surface soils at the site has been established for the following analytes: arsenic, cadmium, chromium, copper, zinc, calcium, cobalt, manganese, potassium, and Aroclor-1260.

Subsurface Soil

Arsenic, copper, lead, nickel, zinc, aluminum, iron, magnesium, and vanadium are present in concentrations exceeding three (3) times the maximum background concentrations. The concentrations show observed contamination by each of these metals.

No SVOCs or PCBs were detected in subsurface soil site characterization samples.

Observed contamination of the surface soils at the site has been established for the following analytes: arsenic, copper, lead, nickel, zinc, aluminum, iron, magnesium, and vanadium.

Table 4-1. Contaminants Detected in Background Samples and Maximum Contaminant Background Levels												
Analyte	**SDBK-01**	**SDBK-01 3X**	**SSBK-01**	**SSBK-01 3X**	**SSBK-02**	**SSBK-02 3X**	**SBSBK-01**	**SBSBK-01 3X**	**Residential Soil RSL**	**Industrial Soil RSL**	**PGSSL**	**Sediment Ecological Screening Level**
Priority Pollutant Metals:												
Arsenic	***1.00**	3.00	***1.00**	3.00	***1.10**	3.30	***^0.740**	2.22	0.680	3.00	0.290	9.79
Beryllium	0.200 LJ	0.600 LJ	0.200 J	0.600 J	0.330 LJ	0.990	0.340 LJ	1.02 LJ	160	2,300	32.0	ND
Cadmium	U	U	U	U	0.0830 LJ	0.249	U	U	7.10	100	ND	0.990
Chromium	3.60	10.8	2.90	8.70	6.10	18.3	4.80	14.4	ND	ND	180,000	43.4
Copper	3.40 UC	10.2 UC	2.50	7.50	4.50 UC	13.5 UC	1.60 UC	4.80 UC	3,100	47,000	46.0	31.6
Lead	6.10	18.3	8.70	26.10	11.0	33.0	5.50	16.5	400	800	14.0	35.8
Mercury	U	U	0.0310 J	0.0930 J	U	U	U	U	11.0	46.0	0.100	0.174
Nickel	2.90	8.70	1.70	5.10	3.10	9.30	4.60	13.8	1,500	22,000	26.0	22.7
Zinc	17.0	51.0	7.80	23.40	17.0	51.0	4.40	13.2	23,000	350,000	370	121
Other TAL Metals:												
Aluminum	2,200	6,600	3,200 J	9,600 J	5,900	17,700	4,300	12,900	77,000	1,100,000	30,000	25,000
Barium	**^23.0**	69.0	21.0	63.0	39.0	117	33.0	99.0	15,000	220,000	82.0	20.0
Calcium	370 LJ	1,110 LJ	U	U	840	2,520	U	U	ND	ND	ND	ND
Cobalt	2.70	8.10	1.10	3.30	2.60	7.80	**^1.50**	4.50	23.0	350	0.270	50.0
Iron	6,700	20,100	6,400 J	19,200 J	15,000	45,000	**^4,900**	14,700	55,000	820,000	350	20,000
Magnesium	370 LJ	1,100 LJ	270 J	810 J	670	2,010	240 LJ	720	ND	ND	ND	ND
Manganese	170	510	120 J	360 J	240	720	**^110**	330	1,800	26,000	28.0	460
Potassium	410 LJ	1,230 LJ	350 J	1,050 J	630	1,890	390 LJ	1,170	ND	ND	ND	ND
Vanadium	3.70	11.1	3.90	11.7	9.20	27.6	4.80	14.4	390	5,800	86.0	ND
SVOCs:												
Hexachlorocyclopentadiene	0.360 UJ	1.08 UJ	U	U	U	U	U	U	1.80	7.50	0.160	0.901

Notes: All concentration values provided in mg/kg
ND = Value has not been determined
U = Undetected
* = Concentration equals or exceeds the residential RSL (Region VI May 2021)
** = Concentration equals or exceeds the residential and industrial RSLs (Region VI May 2021)
^ = Concentration equals or exceeds the ecological sediment screening level (Region III August 2006, Region IV March 2018, and Region V March 2003) or PGSSL (Region VI May 2021)

5.0 GROUNDWATER PATHWAY

A discussion of the groundwater pathway is provided in this section. The discussion focuses on the aquifer characteristics of the region, the likelihood of release of hazardous substances to groundwater, and the potential targets of hazardous waste migration through the groundwater pathway. Except as otherwise referenced, information presented in this section was obtained from the PA and the SI TWP.

5.1 Geology and Hydrogeology

The following information was obtained from the Arkansas Geological Commission's Stratigraphic Summary of Arkansas and the 1993 Geologic Map of Arkansas.

Lewis Lumber is located within the Ouachita Mountains physiographic province. The Ouachita Mountains are made up of complexly folded and faulted Paleozoic-age sedimentary rocks that were originally deposited in mostly deep marine environments. A structural fabric that trends more or less east-west was produced by a continental collision during the late Paleozoic that pushed up this region. The folding was intricate at all scale levels and several local sequences, both complete and partial, are overturned. Throughout the area, compressional faulting is commonly expressed in the sequence. The Gulf Coastal Plain and Mississippi Embayment cut off the area to the east. The Lewis Lumber site is located within the Stanley Shale formation of the Ouachita Mountains physiographic province. This unit is composed of dark gray shale interbedded with fine-grained sandstone. Both plant and invertebrate fossils have been reported in this formation, but preservation is usually poor. The total thickness of the Stanley Shale formation varies from 3,500 to over 10,000 feet.

The following information was obtained from the USGS *Ground Water Atlas of the United States*.

The Ouachita Mountains aquifer lies under the Lewis Lumber site. This aquifer consists of mostly shale, sandstone, and chert beds of Cambrian and Pennsylvanian age, all of which were deposited in deep-marine water conditions. Bedrock units underlying the Ouachita Mountains have been thrust faulted, are highly folded, and contain overturned formations. The piedmont area is underlain by shale and sandstone and borders the Coastal Plain in southwestern Arkansas. The surface of the area is generally flat to gently rolling, but contains a series of low ridges and swells that strike east to west. High-permeability fracture zones in the Ouachita Mountains commonly form along bedding-plane partings, but are best developed where folding has caused differential movement along contacts between shale and sandstone beds. Fault zones, which often contain milky quartz veins, also function as local conduits for groundwater flow within the Ouachita Mountains aquifer. The Ouachita Mountains are topographically characterized by alternating mountains and inter-montane valleys to the north and a southernmost piedmont area. The Ouachita Mountains Aquifer has a wide extent, with a north-to-south width of 80 miles along the Arkansas-Oklahoma state border that progressively narrows eastward toward the central part of Arkansas. The maximum length of the aquifer is about 130 miles. Despite its large expanse, due to the predominance of shale and low porosity sandstones, this aquifer yields limited quantities of water for domestic and non-irrigation farm uses. Well depths are shallow in

the Ouachita Mountains aquifer and often yield less than fifty gallons per minute. Other than for limited quantities of water for domestic and non-irrigation farm purposes, most communities rely on surface water supplies.

5.2 Likelihood of Release

Important factors related to the likelihood of a release from source hazardous substances at the site to groundwater are presented in this Subsection.

5.2.1 Depth to Groundwater

Groundwater in the vicinity of the Lewis Lumber site is believed to flow northeast toward the Ouachita River, with groundwater elevations influenced by topography. By searching through the USGS National Water Information System, two wells were found within a 1-mile radius of the Lewis Lumber site. The static groundwater elevations for these wells ranged from 1.45 feet bgs at the shallowest to 12.70 feet bgs at the deepest. No additional groundwater wells were recorded with the USGS National Water Information System within a 4-mile radius of the Lewis Lumber site.

A radius search conducted using the ANRC Well Construction and Pump Installation Database indicated that eight groundwater wells are located within a 1-mile radius of the Lewis Lumber site. Of the eight ANRC wells recorded, four are monitoring wells, one is a public supply well, and three are of unknown uses. The public supply well is located on a residential property southeast of the site. One of the wells recorded as having an unknown use is located on the Lewis Lumber site, northwest of the CCA Treatment Building. This well was used as a water supply well on-site. During site reconnaissance on January 16, 2019, the well was capped. The depth to groundwater in this well was 14 feet.

A total of seventy-seven (77) groundwater wells are recorded on the ANRC well Construction and Pump Installation Database within a 4-mile radius of the Lewis Lumber site. Of the seventy-seven (77) ANRC wells recorded, forty-two (42) are domestic wells, twenty (20) are of unknown uses, eight (8) are commercial livestock wells, five (5) re monitoring wells, one (1) is a public supply well, and one is a domestic irrigation well. The static groundwater elevations of these wells range from five feet to 51 feet bgs.

No groundwater wells within a 4-mile radius of the Lewis Lumber site were recorded as drinking water wells on the ANRC Well Construction and Pump Installation Database; however, it is possible that some are being used for this purpose.

5.2.2 Depth of Contamination

Subsurface soil contamination was documented on-site. Analytical results of samples collected at six (6) inches or deeper at this site are discussed in Section 7.0 Soil Exposure and Subsurface Intrusion Pathway.

5.2.3 Net Precipitation

Net precipitation is equivalent to total annual precipitation less potential evapotranspiration. According to the HRS, the net precipitation factor value for the Lewis Lumber site is 6 (Ref. 6).

5.2.4 Thickness of Impermeable Layers

No boring logs were available for reference. Therefore, this information is unknown.

5.2.5 Hydraulic Conductivity of Impermeable Layer

No boring logs were available for reference. Therefore, this information is unknown.

5.2.6 Analytical Results from Previous Investigations

Groundwater has not previously been investigated; therefore, there were no analytical results from previous investigations.

5.2.7 SI Groundwater Sampling and Analytical Results

No groundwater samples were collected as part of this SI because there are no monitoring wells located on the Lewis Lumber site.

5.3 Groundwater Migration Pathway Targets

The potential receptors or targets of the groundwater migration pathway include the population and resources which rely on local aquifers as a source of water supply. The targets identified for the groundwater migration pathway are discussed in the following subsections.

5.3.1 Nearest Wells

By searching through the USGS National Water Information System, two wells were found within a 4-mile radius of the Lewis Lumber site.

A radius search conducted using the ANRC Well Construction and Pump Installation Database indicated that eight groundwater wells are located within a 1-mile radius and 77 groundwater wells are located within a 4-mile radius of the Lewis Lumber site. The well depths recorded within a 4-mile radius range from five feet to 55 feet bgs.

5.3.2 Wellhead Protection Areas

The Wellhead Protection Program is designed to assist states in the protection of groundwater supplies to public water systems against contamination that could adversely affect human health. Wellhead Protection Areas within a 4-mile radius of the Lewis Lumber site are unknown.

5.3.3 Groundwater Resources

Of the seventy-seven (77) ANRC wells recorded within a 4-mile radius of the Lewis Lumber site, forty-two (42) are domestic wells, twenty (20) are of unknown uses, eight (8) are commercial livestock wells, five (5) are monitoring wells, one (1) is a public supply well, and one (1) is a domestic irrigation well. The static groundwater elevations of these wells range from five feet to 51 feet bgs.

No groundwater wells within a 4-mile radius of the Lewis Lumber site were recorded as drinking water wells on the ANRC Well Construction and Pump Installation Database; however, it is possible that some are being used for this purpose.

5.4 Groundwater Pathway Conclusions

No records of groundwater sampling in the vicinity of the Lewis Lumber site were found during the PA investigation. A release to groundwater has not been documented at the Lewis Lumber site because groundwater sampling was not performed as part of this SI; however, subsurface soil sampling was performed and minor contamination was discovered.

The residents of Cove are served by Gillham Regional Water District. Gillham Regional Water District's water source is surface water from Gillham Lake, not groundwater. There are ANRC domestic groundwater wells and a public supply well located within a 4-mile radius of the Lewis Lumber site. No groundwater wells within a 4-mile radius of the Lewis Lumber site were recorded as drinking water wells on the ANRC Well Construction and Pump Installation Database; however, it is possible that some are being used for this purpose.

A release to groundwater is of minor concern due to few potential groundwater migration pathway targets and the low potential for releases to have occurred based on subsurface sampling results.

6.0 SURFACE WATER MIGRATION PATHWAY

Surface water exposure is the second of four (4) pathways of potential hazardous waste migration assessed for the site. A discussion of the types of surface water draining the site, the probable points of entry (PPE) for hazardous substances from the site to enter surface water, the likelihood of release, and the potential targets of the pathway are discussed in this section. Except as otherwise referenced, information presented in this section, other than section 6.2.6, was obtained from the PA and the SI TWP.

6.1 Hydrologic Setting

Information regarding the surface water conditions at the site is summarized in this subsection.

6.1.1 Overland Flow Segment

The areas surrounding the Lewis Lumber site generally slope down to the north towards Dry Creek.

According to Google Earth Pro, the Lewis Lumber site slopes down to the north at a grade of approximately five percent (5%). The center of the site is approximately 1,050 feet above mean sea level.

6.1.2 Probable Points of Entry

The site has one PPE located on the north side of the site where surface water runoff flows north off the site into Dry Creek.

6.1.3 Surface Water Flow Path

The potential sources of surface water migration identified during the PA investigation are potential runoff and discharges associated with areas of potential soil exposure into Dry Creek to the north of the site, which ultimately flows into the Mountain Fork.

6.2 Likelihood of Release

Important factors related to the likelihood of a release from a source of hazardous substances at the site to surface water are presented in the following subsections. Relevant analytical data from the surface water pathway is provided as evidence of the presence of contamination.

6.2.1 Distance to Surface Water

The majority of surface water runoff flows north off the site into Dry Creek approximately 250 feet north of the site. Dry Creek flows west into Mountain Fork approximately thirteen (13) miles downstream from the site. The site's 15-mile Target Distance Limit (TDL) is located in Mountain Fork. **Figure 6-1** depicts the site's 15-mile TDL for the surface water pathway.

6.2.2 Flood Frequency

A portion of the Lewis Lumber site is situated within the 100-year floodplain.

6.2.3 2-Year 24-Hour Rainfall

The 2-Year 24-Hour Rainfall in the vicinity of the site is approximately 4.0 to 4.5 inches (Ref. 7).

6.2.4 Flood Containment

Based on the results of DEQ's on-site reconnaissance and field sampling activities, the site and potential sources at the site are not contained against floods.

6.2.5 Analytical Results from Previous Investigations

Surface water migration pathways have not been previously investigated at this site; therefore, there were no previous analytical results to consider during this SI.

6.2.6 SI Sediment Sampling and Analytical Results

As described in Section 4.3.3, a judgmental or biased sampling design was used to select the sediment sampling locations. The PA identified multiple potential sources and the SI TWP designated two (2) AOCs.

A total of ten (10) sediment samples, including one (1) background sample and one (1) QA duplicate sample were collected as described in Section 4.3.3. Background sediment sample 1 (SDBK-01) was collected from northeast of the site in Dry Creek in a vegetated area off of Polk 141.

Sediment samples SD-01 and SD-02 are duplicates and were collected in AOC 1 from the northern portion of a drainage ditch running parallel to W. Mill Street. SD-03 was collected in AOC 1 from the PPE and drainage ditch running northwest to Dry Creek. SD-04 was collected in AOC 1 from the area where the site drainage paths converge, in the northernmost portion of the site leading into Dry Creek. SD-05 was collected in AOC 1 from the eastern portion of Dry Creek, before site drainage. SD-06 was collected in AOC 1 from the western portion of Dry Creek, after site drainage. SD-07 was collected in AOC 2 from the southern portion of the drainage ditch running perpendicular to W. Mill Street. SD-08 was collected in AOC 2 from the eastern drainage ditch located east of the CCA treatment building. SD-09 was collected in AOC 2 from the easternmost drainage ditch located near the entrance to the site along W. Mill Street.

Of the nine (9) site characterization sediment samples, one (1) field duplicate sample was collected for QA/QC purposes. The sediment samples were not assigned an ID prefix or otherwise made distinguishable to the laboratory as duplicate samples. In all cases, the sediment samples were collected from depths ranging from zero (0) to six (6) inches bgs. The SI sediment sample stations are shown on **Figure 3-1** and **Figure 3-2** following the text of Section 3.0.

Laboratory analytical data revealed the presence of metals, one SVOC, and PCBs in various sediment samples.

Analytes detected at concentrations exceeding three (3) times the maximum background concentrations were as follows:

- Arsenic
- Chromium
- Copper
- Nickel
- Zinc
- Aluminum
- Barium
- Calcium
- Cobalt
- Iron
- Magnesium
- Manganese

Analytes not detected in background samples, but present in site characterization samples at concentrations exceeding the adjusted CRQL, were as follows:

- Aroclor-1248
- Aroclor-1254

Analytes detected at concentrations exceeding residential soil and/or industrial soil RSLs were as follows:

- Arsenic
- Aroclor-1248
- Aroclor-1254

Analytes detected at concentrations exceeding sediment ecological screening levels were as follows:

- Arsenic
- Chromium
- Copper
- Mercury
- Barium
- Manganese

Nineteen (19) metals were detected in site characterization sediment samples. Eight (8) sediment samples have metal concentrations that equal or exceed three (3) times the maximum background concentrations, and eight (8) sediment samples have metal concentrations that exceed sediment ecological screening levels.

All of the site characterization sediment samples have arsenic concentrations above the residential soil RSL, with seven (7) of these sediment samples (SD-01, SD-02, SD-03, SD-04, SD-07, SD-08, and SD-09) also exceeding the industrial soil RSL. Four (4) of these site characterization sediment samples (SD-01, SD-02, SD-07, and SD-08) exceed the USGS's maximum concentration for arsenic in Polk County, which is 10.088 mg/kg. Copper exceeds the maximum concentration recorded by the USGS within Polk County, which is 34.107 mg/kg, in one (1) site characterization sediment sample (SD-08). Mercury exceeds the maximum concentration recorded by the USGS within Polk County, which is 0.166 mg/kg, in two (2) site characterization sediment samples (SD-08 and SD-09). Calcium exceeds the maximum concentration recorded by the USGS within Polk County, which is 2,580 mg/kg, in five (5) site characterization sediment samples (SD-01, SD-02, SD-07, SD-08, and SD-09).

One (1) SVOC, hexachlorocyclopentadiene, was detected in five (5) site characterization sediment samples. The concentrations in site characterization samples did not exceed three (3) times the maximum background concentration of hexachlorocyclopentadiene in sediment. Therefore, these detections are not observed releases. Additionally, the concentrations of hexachlorocyclopentadiene in site characterization sediment samples were all below the residential soil and industrial soil RSLs, and below the sediment ecological screening level.

Two (2) PCBs, Aroclor-1248 and Aroclor-1254, were detected in one (1) site characterization sediment sample. These PCBs were not detected in the background sediment sample. The concentrations of Aroclor-1248 and Aroclor-1254 both exceeded their respective adjusted CRQL, which establishes observed releases for these PCBs. Additionally, Aroclor-1248 and Aroclor-1254 exceeded both the residential soil and industrial soil RSLs. There is no established sediment ecological screening level for these PCBs.

The remainder of this subsection summarizes significant results by analyte type.

Priority Pollutant Metals

Arsenic equals or exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 1 – SD-01; SD-02; SD-03; SD-04

AOC 2 – SD-07; SD-08; SD-09

Arsenic equals or exceeds the residential and/or industrial RSLs in the following sediment samples:

AOC 1 – SD-01; SD-02; SD-03; SD-04; SD-05; SD-06

AOC 2 – SD-07; SD-08; SD-09

Arsenic equals or exceeds the ecological screening level in the following sediment samples:

AOC 1 – SD-01; SD-02

AOC 2 – SD-07; SD-08

Chromium equals or exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 1 – SD-01; SD-02; SD-03; SD-04

AOC 2 – SD-07; SD-08; SD-09

Chromium exceeds the ecological screening level in the following sediment sample:

AOC 2 – SD-08

Copper equals or exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 1 – SD-01; SD-02; SD-03; SD-04

AOC 2 – SD-07; SD-08; SD-09

Copper exceeds the ecological screening level in the following sediment sample:

AOC 2 – SD-08

Mercury exceeds the ecological screening level in the following sediment samples:

AOC 2 – SD-08; SD-09

Nickel equals or exceeds three (3) times the maximum background concentration in the following sediment sample:

AOC 1 – SD-03

Zinc exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 2 – SD-07; SD-08; SD-09

Other TAL Metals

Aluminum exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 1 – SD-03; SD-04

Barium exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 1 – SD-02; SD-03

AOC 2– SD-07; SD-09

Barium exceeds the ecological screening level in the following sediment samples:

AOC 1 – SD-01; SD-02; SD-03; SD-04; SD-05

AOC 2 – SD-07; SD-08; SD-09

Calcium exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 1 – SD-01; SD-02; SD-03; SD-04; SD-05

AOC 2 – SD-07; SD-08; SD-09

Cobalt exceeds three (3) times the maximum background concentration in the following sediment sample:

AOC 1 – SD-03

Iron exceeds the ecological screening level in the following sediment sample:

AOC 1 – SD-03

Magnesium exceeds three (3) times the maximum background concentration in the following sediment sample:

AOC 1 – SD-03

Manganese exceeds three (3) times the maximum background concentration in the following sediment samples:

AOC 1 – SD-02; SD-03

AOC 2– SD-08; SD-09

Manganese exceeds the ecological screening level in the following sediment samples:

AOC 1 – SD-02; SD-03

AOC 2– SD-08; SD-09

SVOCs

No SVOCs were detected at concentrations exceeding applicable screening levels.

PCBs

Aroclor-1248 exceeds the residential and/or industrial RSLs in the following sediment samples:

AOC 2 – SD-09

Aroclor-1254 exceeds the residential soil and industrial soil screening levels in the following sediment sample:

AOC 2 – SD-09

Table 6-1 provides the sediment sample analytical results. For comparison purposes, the RSLs, sediment ecological screening levels, and three (3) times the maximum background concentrations are also included in the table.

6.3 Surface Water Migration Pathway Targets

The surface water migration pathway targets are summarized in the following subsections.

6.3.1 Drinking Water Intakes

The residents of Cove are served by Gillham Regional Water District. Gillham Regional Water District's water source is surface water from Gillham Lake, not groundwater. Additionally, surface water from the site does not flow towards Lake Gillham. There are ANRC domestic groundwater wells and a public supply well located within a 4-mile radius of the Lewis Lumber site. No groundwater wells within a 4-mile radius of the Lewis Lumber site were recorded as drinking water wells on the ANRC Well Construction and Pump Installation Database; however, it is possible that some are being used for this purpose. In addition, a water supply well is located on-site, northwest of the CCA Treatment Building. During site reconnaissance on January 16, 2019, this well was capped.

6.3.2 Wetlands and Other Sensitive Environments

The EPA National Environmental Policy Act (NEPA) website, NEPAssist, was accessed to obtain surface water migration target information. According to NEPAssist, the closest wetland area is a Riverine Wetland located along Mountain Fork, approximately 13.1 miles downstream from the Lewis Lumber site. In addition, multiple Freshwater Forested/Shrub Wetland and Freshwater Emergent Wetland areas are located farther downstream along Mountain Fork within the site's 15-mile TDL (Ref. 8).

According to the file review conducted by the Arkansas Natural Heritage Commission (ANHC), no occurrences of elements of special concern have been recorded within a 1-mile radius of the site. Eight occurrences of elements of special concern have been recorded within a 4-mile radius of the site. Four aquatic or semi-aquatic elements of special concern have been recorded within a 4-mile radius of the site: Mena crayfish (*Faxonius menae*), Ouachita shiner (*Lythrurus snelsoni*), Kiamichi shiner (*Notropis ortenburgeri),* and Strecker's Chorus Frog (*Pseudacris streckeri*). A total of 299 occurrences of elements of special concern have been recorded within a 15-mile radius of the site.

6.3.3 Fisheries

No public fisheries are located downstream and within the site's 15-mile TDL.

6.3.4 Resources

According to the ADEQ's *2016 Integrated Water Quality Monitoring Assessment Report*, the Lewis Lumber site is located in Segment 1D. Segment 1D is located on the western edge of Montgomery County and covers a portion of Polk County. This segment encompasses a 22-mile reach of the Mountain Fork of the Little River from its headwaters to the Arkansas-Oklahoma state line.

The waters within Segment 1B have been designated as suitable for the propagation of fish and wildlife; primary and secondary contact recreation; and public, industrial, and agricultural water supplies. Mountain Fork is also designated as an Extraordinary Resource Waterbody and an Ecologically Sensitive Waterbody because of the occurrence of the leopard darter (*Etheostoma pantherina*). However, a portion of Mountain Fork does not meet the turbidity and temperature water quality standards. The source of turbidity is thought to be from nonpoint sources, mainly pasture, in the watershed. In addition, the turbidity and elevated temperatures are likely caused from an inadequate riparian zone adjacent to the river in the watershed.

6.4 Surface Water Migration Pathway Conclusions

A release of hazardous substances to the surface water pathway has been documented in sediment analytical results.

Arsenic, chromium, copper, nickel, zinc, aluminum, barium, calcium, cobalt, iron, magnesium, and manganese are all present in concentrations exceeding three (3) times the maximum background concentrations.

Arsenic, Aroclor-1248, and Aroclor-1254 are present in concentrations exceeding the residential soil and industrial soil RSLs.

Arsenic, chromium, copper, barium, and manganese were detected at concentrations exceeding sediment ecological screening levels.

Four (4) site characterization sediment samples have concentrations of arsenic exceeding the maximum concentration recorded by USGS within Polk County. One (1) site characterization sediment sample exceeds the USGS's maximum concentration for copper in Polk County. Two (2) site characterization sediment samples exceed the USGS's maximum concentration for mercury in Polk County. Five (5) site characterization sediment samples exceed the maximum concentration for calcium recorded by the USGS within Polk County.

One (1) SVOC was detected in the site characterization sediment samples. Hexachlorocyclopentadiene was detected in five (5) sediment samples at concentrations below the residential soil RSL, industrial soil RSL, and the sediment ecological screening level. Although hexachlorocyclopentadiene was detected in the background sediment sample, none of the site characterization sediment sample concentrations exceeded three (3) times the maximum background concentration.

Two PCBs were detected in the site characterization sediment samples. Aroclor-1248 and Aroclor-1254 were present in concentrations exceeding the residential soil and industrial soil RSLs in one (1) sediment sample. Ecological screening levels have not been determined for these PCBs. Additionally, these PCBs were not detected in the background sediment sample.

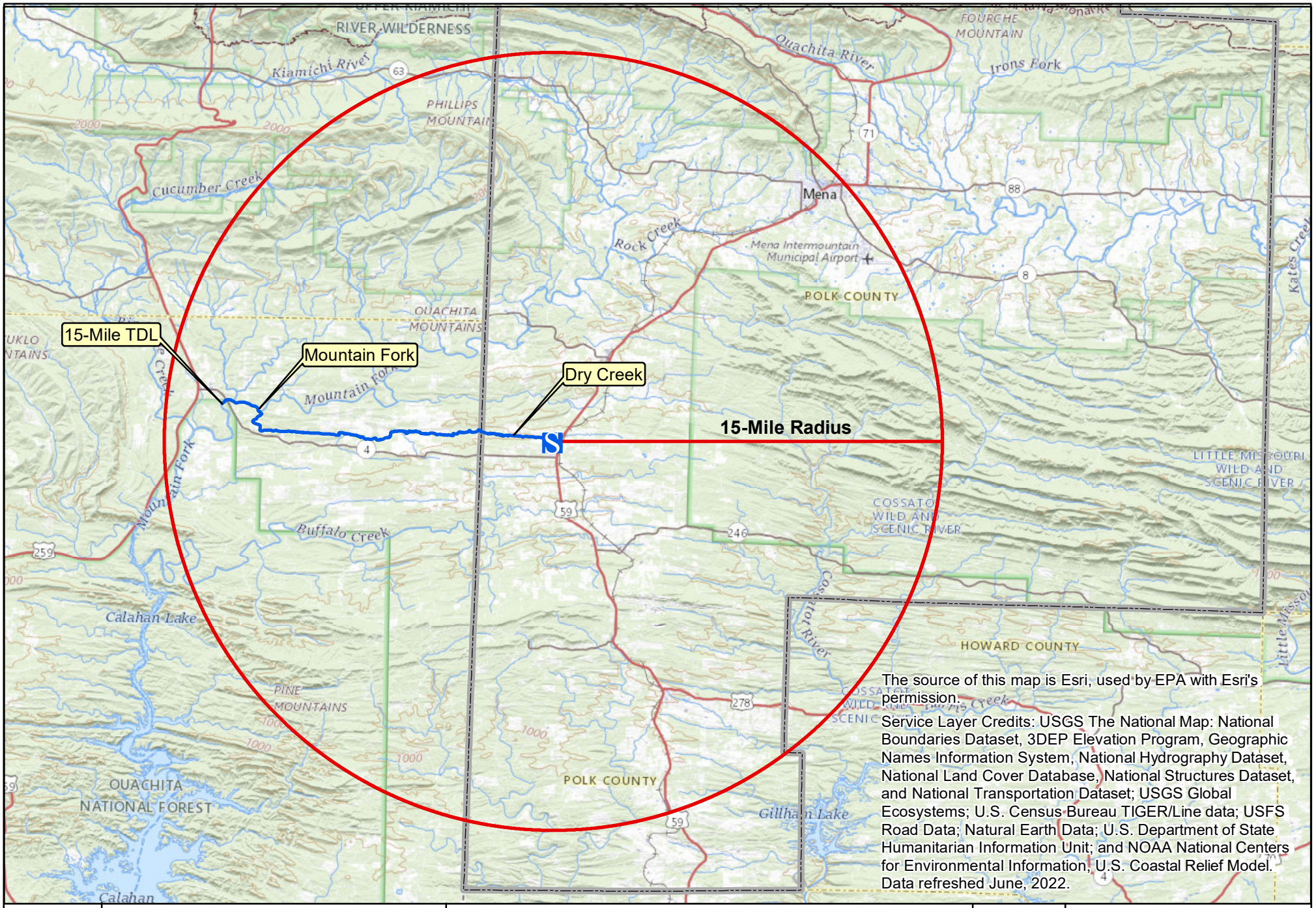
Observed releases in the site characterization sediment samples were documented across the site in both AOCs. The most significant contamination is present in the eastern and northeastern drainage ditches in both AOCs.

These analytical results show observed releases of the following contaminants: arsenic, chromium, copper, nickel, zinc, aluminum, barium, calcium, cobalt, iron, magnesium, manganese, Aroclor-1248, and Aroclor-1254.

Table 6-1. Contaminants Detected in Sediment Samples

Analyte	SD-01	SD-02	SD-03	SD-04	SD-05	SD-06	SD-07	SD-08	SD-09	Residential Soil RSL	Industrial Soil RSL	3X BKND Level	Sediment Ecological Screening Level
Priority Pollutant Metals:													
Antimony	0.170 J	0.210 J	U	U	U	U	0.360 LJ	0.860 J	U	31.0	470	U	2.00
Arsenic	**^17.0	**^19.0	**4.40	**6.50	*2.30	*0.790	**^36.0	**^120	**6.20	0.68	3.00	3.00	9.79
Beryllium	0.270 J	0.320 J	0.490 J	0.410 J	0.230 J	0.170 J	0.380 LJ	0.260 J	0.330 J	160	2,300	0.600 LJ	ND
Cadmium	0.130 J	0.180 J	0.110 J	0.0960 J	0.110 J	U	0.200 LJ	0.330 J	0.360 J	7.10	100	U	0.990
Chromium	**25.0**	**29.0**	**11.0**	**12.0**	5.90	4.10	**39.0**	**^210**	**12.0**	ND	ND	10.8	43.4
Copper	**19.0**	**22.0**	**11.0**	**12.0**	5.10	1.90	**30.0**	**^130**	**14.0**	3,100	47,000	10.2 UC	31.6
Lead	10.0	11.0	16.0	14.0	6.70	4.30	10.0	11.0	17.0	400	800	18.3	35.8
Mercury	0.0330 J	0.0360 J	0.0380 J	0.0390 J	0.0340 J	0.0280 J	U	**^0.530 J**	**^0.580 J**	11.0	46.0	U	0.174
Nickel	3.20	3.80	**11.0**	6.20	2.80	1.30	4.00	3.80	3.50	1,500	22,000	8.70	22.7
Zinc	29.0	39.0	47.0	35.0	22.0	8.80	**55.0**	**67.0**	**74.0**	23,000	350,000	51.0	121
Other TAL Metals:													
Aluminum	4,500 J	5,300 J	**12,000 J**	**7,000 J**	3,100 J	1,600 J	4,000	5,300 J	4,000 J	77,000	1,100,000	6,600	25,000
Barium	**^67.0**	**^79.0**	**^78.0**	**^41.0**	**^41.0**	18.0	**^120**	**^59.0**	**^81.0**	15,000	220,000	69.0	20.0
Calcium	**3,100 J**	**4,300**	**1,600**	**1,900**	**1,800**	610	**6,500**	**3,000**	**3,000**	ND	ND	1,110 LJ	ND
Cobalt	2.60	3.10	**17.0**	3.80	2.90	1.70	2.90	2.20	2.60	23.0	350	8.10	50.0
Iron	13,000 J	13,000 J	**31,000 J**	19,000 J	6,700 J	5,000 J	8,200	13,000 J	9,800 J	55,000	820,000	20,100	20,000
Magnesium	820 J	890	**2,300**	840	440 J	200 J	780	610	520	ND	ND	1,100 LJ	ND
Manganese	400	**^570 J**	**^1,100 J**	190 J	310 J	190 J	450	**^540 J**	**^640 J**	1,800	26,000	510	460
Potassium	800	1,000	1,000	990	450 J	230	1,100	790	710	ND	ND	1,230 LJ	ND
Vanadium	5.90	7.10	7.50	9.80	4.40	2.90	4.10	U	6.50	390	5,800	11.1	ND
SVOCs:													
Hexachlorocyclopentadiene	0.400 UJ	0.400 UJ	U	U	U	U	0.430 UJ	0.480 UJ	0.410 UJ	1.80	7.50	1.08 UJ	0.901
PCBs:													
Aroclor-1248	U	U	U	U	U	U	U	U	**5.60 J	0.230	0.940	U	ND
Aroclor-1254	U	U	U	U	U	U	U	U	**1.20 J	0.240	0.970	U	ND

Notes: All concentration values provided in mg/kg
Shading = Concentration equals or exceeds three times the maximum background level and exceeds adjusted CRQL
ND = value has not been determined
U = Undetected
* = Concentration equals or exceeds the residential RSL (Region VI November 2021)
* * = Concentration equals or exceeds the residential and industrial RSLs (Region VI November 2021)
^ = Concentration equals or exceeds sediment ecological screening level (Region V August 2003)
SD-01 and SD-02 are duplicates.



The source of this map is Esri, used by EPA with Esri's permission.

Service Layer Credits: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed June, 2022.

Lewis Lumber

15-Mile Radius and 15-Mile TDL
Figure 6-1

Legend:

Site Location

0 1.25 2.5 5 Miles

AFIN: 57-00020

15-Mile Radius and 15-Mile TDL	
Location:	*Cove, Arkansas*
County:	*Polk*
Date:	*September 2023*

7.0 SOIL EXPOSURE AND SUBSURFACE INTRUSION PATHWAY

The SESSI pathway is the third of four pathways of potential hazardous waste migration assessed for the site. The discussion in this section focuses on the important soil exposure factors such as soil type, area of contamination, accessibility and the likelihood of exposure, and potential targets. Except as otherwise referenced, information for all subsections other than 7.2.4 was obtained from the PA and the SI TWP.

7.1 Surficial Conditions

Information regarding the surficial conditions at the site is summarized in this subsection.

7.1.1 Soil Type

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey for Polk County, Arkansas, the soil map unit composition for the Lewis Lumber site is comprised primarily of the following soils (in descending order):

Sherless gravelly fine sandy loam, 1 to 6 percent slopes

Dela fine sandy loam, 0 to 2 percent slopes, occasionally flooded

Sherless-Nashoba-Bismarck complex, 15 to 35 percent slopes, extremely stony.

The majority of the Lewis Lumber site consists of the Sherless gravelly fine sandy loam. A description of this soil is summarized below:

Sherless gravelly fine sandy loam, 1 to 6 percent slopes:

This moderately deep, well-drained soil is often found on hills and ridges primarily in the southern part of the county. The surface layer is typically dark grayish brown gravelly fine sandy loam, approximately four (4) inches thick. The subsurface layer is light yellowish brown fine sandy loam that extends to approximately ten (10) inches below ground surface (bgs). The upper portion of the subsoil is yellowish red clay loam that extends to a depth of approximately twenty-one (21) inches bgs. The middle portion is yellowish red, mottled clay loam that extends to a depth of approximately thirty-four (34) inches bgs. The lower portion is yellowish red, yellowish-brown, and gray loam that extends to a depth of approximately thirty-eight (38) inches bgs. The substratum is typically yellowish red, yellowish-brown, and gray fractured and tilted soft acidic sandstone that extends to a depth of approximately forty-five (45) inches bgs. This soil ranges from moderately acidic to extremely acidic, except for areas where amendments have been applied.

7.1.2 Areas of Contamination

Based on the analytical results presented in Section 4.0 and as discussed in Section 7.2.4, areas of soil contamination have been identified.

7.2 Likelihood of Release

Important factors related to the likelihood of exposure to an area of contaminated soil at the site are presented in the following subsections.

7.2.1 Attractiveness of the Site

Attractiveness of the site was evaluated to determine likelihood of exposure by visitors to the site. No recreational areas are located on the site or adjoining; therefore the site was determined to be accessible, but with no public recreation use.

7.2.2 Site Accessibility

The Lewis Lumber site is situated in a rural residential and agricultural area bordered by a wooded area to the north; residences and North Lewis Street to the east; a wooded area and residences to the south; and residences and an open vegetated field to the west. West Mill Street intersects the site from the east and separates the site into a northern and southern portion. Surface cover consists of the concrete foundations of former buildings, gravel, and vegetated areas. The site is not fenced and is easily accessible to trespassers; however, a gate is located at the entrance to the site on West Mill Street. When locked, this gate makes the site inaccessible to vehicles. For the purposes of SI scoring, the site was determined to be accessible, but with no public recreation use.

7.2.3 Soil Analytical Results from Previous Investigations

There are no soil analytical results from previous investigations for the Lewis Lumber site.

7.2.4 SI Surface Soil Sampling and Analytical Results

As described in Section 4.3.3, a judgmental or biased sampling design was used to select the surface soil sampling locations. The PA identified multiple potential sources and the SI TWP designated two AOCs.

A total of 25 surface soil samples, including two background samples and three QA field duplicate samples, were collected as described in Section 4.3.3. Background surface soil sample 1 (SSBK-01) was collected northeast of the site in a vegetated area off of Polk 141. Background surface soil sample 2 (SSBK-02) was collected southeast of the site in an open area between US 59 and Polk 141.

All of the surface soil samples were collected from on-site stations. The locations of surface soil samples were selected to determine the horizontal extent and source concentrations of hazardous substances on-site.

Of the twenty-three (23) site characterization surface soil samples, three (3) field duplicate samples were collected for QA/QC purposes. These samples were not assigned an ID prefix or otherwise made distinguishable to the laboratory as duplicate samples. In all cases, the surface soil samples were collected from depths ranging from zero (0) to six (6) inches bgs. The SI surface soil site characterization sample stations are shown on **Figure 3-1** and **Figure 3-2** following the text of Section 3.0.

Laboratory analytical data revealed the presence of metals, SVOCs, and one PCB in various surface soil samples. Analytes detected at concentrations exceeding three (3) times the maximum background concentrations were as follows:

- Arsenic
- Chromium
- Cadmium
- Copper
- Zinc
- Calcium
- Cobalt
- Manganese
- Potassium

Analytes detected at concentrations exceeding residential and/or industrial RSLs were as follows:

- Arsenic
- Hexachlorocyclopentadiene
- Aroclor-1260

Nineteen (19) metals were detected in site characterization surface soil samples. Twenty (20) site characterization surface soil samples have metal concentrations that exceed three (3) times the maximum background concentrations. Arsenic exceeds the residential soil RSL in all twenty-three (23) site characterization surface soil samples, with twenty-one (21) of these samples also exceeding the industrial soil RSL for arsenic. Additionally, arsenic exceeds the maximum concentration recorded by the USGS in Polk County in thirteen (13) site characterization surface soil samples. The maximum concentration of arsenic recorded by the USGS in Polk County is 10.088 mg/kg.

No metal concentrations other than arsenic exceed the residential soil or industrial soil RSLs.

Seven (7) surface soil samples (SS-11, SS-16, SS-18, SS-19, SS-20, SS-21, and SS-23) exceed the maximum concentration of copper recorded by the USGS in Polk County, which is 34.107 mg/kg. One (1) surface soil sample (SS-19) exceeds the maximum concentration of zinc recorded by the USGS in Polk County, which is 258.067 mg/kg. One (1) surface soil sample (SS-05) exceeds the maximum concentration of calcium recorded by the USGS in Polk County, which is 2,580 mg/kg.

Four (4) SVOCs were detected in site characterization surface soil samples. No SVOCs were detected in surface soil background samples. However, because no site characterization surface soil samples have SVOC concentrations exceeding their respective adjusted CRQL, these detections are not evidence of observed contamination.

Hexachlorocyclopentadiene was the only SVOC that exceeded an applicable screening level. Two (2) surface soil samples exceed the residential soil RSL for hexachlorocyclopentadiene.

One (1) PCB, Aroclor-1260, was detected in one (1) site characterization surface soil sample at a concentration exceeding the residential soil RSL. PCBs were not detected in any background samples. Because the concentration of Aroclor-1260 exceeds the adjusted CRQL, this establishes observed contamination of surface soils by Aroclor-1260.

The remainder of this subsection summarizes significant results by analyte type.

Priority Pollutant Metals Results

Arsenic exceeds three (3) times the maximum background concentration in the following surface soil samples:

AOC 1 – SS-01; SS-03; SS-05; SS-06; SS-07; SS-08; SS-09; SS-10; SS-11; SS-12

AOC 2 – SS-14; SS-15; SS-16; SS-17; SS-18; SS-19; SS-20; SS-21; SS-22; SS-23

Arsenic exceeds the residential and/or industrial RSLs in the following surface soil samples:

AOC 1 – SS-01; SS-02; SS-03; SS-04; SS-05; SS-06; SS-07; SS-08; SS-09; SS-10; SS-11; SS-12

AOC 2 – SS-13; SS-14; SS-15; SS-16; SS-17; SS-18; SS-19; SS-20; SS-21; SS-22; SS-23

Cadmium exceeds three (3) times the maximum background concentration in the following surface soil samples:

AOC 1 – SS-03; SS-05

AOC 2 – SS-21

Chromium exceeds three (3) times the maximum background concentration in the following surface soil samples:

AOC 1 – SS-11; SS-12

AOC 2 – SS-16; SS-18; SS-19; SS-20; SS-21; SS-22; SS-23

Copper exceeds three (3) times the maximum background concentration in the following surface soil samples:

AOC 1 – SS-03; SS-09; SS-11; SS-12

AOC 2 – SS-14; SS-16; SS-18; SS-19; SS-20; SS-21; SS-22; SS-23

Zinc exceeds three (3) times the maximum background concentration in the following surface soil samples:

AOC 1 – SS-05; SS-08; SS-09

AOC 2 – SS-14; SS-16; SS-18; SS-19; SS-21

Other TAL Metals

Calcium exceeds three (3) times the maximum background concentration in the following surface soil sample:

AOC 1 – SS-05

Cobalt exceeds three (3) times the maximum background concentration in the following surface soil sample:

AOC 1 – SS-03

AOC 2 – SS-14

Manganese exceeds three (3) times the maximum background concentration in the following surface soil sample:

AOC 1 – SS-03

Potassium exceeds three (3) times the maximum background concentration in the following surface soil sample:

AOC 2 – SS-14

PCBs

Aroclor-1260 exceeds the residential soil RSL in the following surface soil sample:

AOC 1 – SS-11

SVOCs

Hexachlorocyclopentadiene exceeds the residential soil RSL in the following surface soil samples:

AOC 2 – SS-18; SS-21

Table 7-1 summarizes the analytes detected in surface soil samples. For comparison purposes, the residential soil and industrial soil RSLs and three (3) times the maximum background concentrations are also included in the table.

7.2.5 SI Subsurface Soil Sampling and Analytical Results

As described in Section 4.3.3, a judgmental or biased sampling design was used to select the subsurface soil sampling locations. The PA identified multiple potential sources and the SI TWP designated two AOCs.

A total of seven (7) subsurface samples, including one (1) background sample and one (1) QA duplicate sample, were collected at the site to characterize AOC 1 – Northern Half of Site and AOC 2 – Southern Half of Site, as described in Section 4.3.3. Background subsurface soil sample SBSBK-01 was collected northeast of the site in a vegetated area off of Polk 141.

All of the site characterization subsurface soil samples were collected from on-site stations. The locations of subsurface soil samples were selected to determine the vertical extent and source concentrations of hazardous substances on-site.

Of the six (6) site characterization subsurface soil samples, one (1) field duplicate samples was collected for QA/QC purposes. This sample was not assigned an ID prefix or otherwise made distinguishable to the laboratory as duplicate samples. In all cases, the subsurface soil samples were collected from depths ranging from six (6) to eighteen (18) inches bgs. The SI site characterization subsurface soil sample stations are shown on **Figure 3-1** and **Figure 3-2**, following the text of Section 3.0.

Laboratory analytical data revealed the presence of metals in various subsurface soil samples.

Analytes detected at concentration exceeding three (3) times the maximum background concentrations were as follows:

- Arsenic
- Copper
- Lead
- Nickel
- Zinc
- Aluminum
- Iron
- Magnesium
- Vanadium

Analytes detected at concentrations exceeding residential and/or industrial RSLs were as follows:

- Arsenic

Seventeen (17) metals were detected in site characterization subsurface soil samples. Five (5) subsurface soil samples had metal concentrations that exceed three (3) times the maximum background concentrations. Arsenic concentrations exceeded the residential soil RSL in all six (6) site characterization subsurface soil samples, with one (1) of these samples also exceeding the industrial soil RSL for arsenic.

Copper was detected above the average concentration recorded by the USGS within Polk County in two (2) subsurface soil samples; however, no sample concentrations exceeded the maximum concentration for copper recorded by USGS. Lead was detected above the average concentration recorded by the USGS within Polk County in one (1) subsurface soil samples; however, no sample concentrations exceeded the maximum concentration for lead recorded by USGS. Mercury was detected above the average concentration recorded by the USGS within Polk County in two (2) subsurface soil samples; however, no sample concentrations exceeded the maximum concentration for mercury recorded by USGS. Calcium was detected above the average concentration recorded by the USGS within Polk County in two (2) subsurface soil samples; however, no sample concentrations exceeded the maximum concentration for calcium recorded by USGS. Iron was detected above the average concentration recorded by the USGS within Polk

County in three (3) subsurface soil samples; however, no sample concentrations exceeded the maximum concentration for iron recorded by USGS.

Concentrations of mercury and calcium were detected in site characterization subsurface soil samples, but were not detected in background subsurface soil samples. However, because the concentrations of mercury and calcium do not exceed these contaminants' respective adjusted CRQL, these detections do not establish observed contamination.

The remainder of this subsection summarizes significant results by analyte type.

Priority Pollutant Metals

Arsenic exceeds three (3) times the maximum background concentration in the following subsurface soils samples:

AOC 1 – SBS-02; SBS-03

AOC 2 – SBS-06

Arsenic exceeds the residential and/or industrial RSLs in the following subsurface soil samples:

AOC 1 – SBS-01; SBS-02; SBS-03

AOC 2 – SBS-04; SBS-05; SBS-06

Copper exceeds three (3) times the maximum background concentration in the following subsurface soils samples:

AOC 1 – SBS-01, SBS-02, SBS-03

AOC 2 – SBS-06

Lead exceeds three (3) times the maximum background concentration in the following subsurface soils sample:

AOC 1 – SBS-01

Nickel exceeds three (3) times the maximum background concentration in the following subsurface soils samples:

AOC 1 – SBS-02; SBS-03

Zinc exceeds three (3) times the maximum background concentration in the following subsurface soil samples:

AOC 1 – SBS-01; SBS-02; SBS-03

AOC 2 – SBS-06

Other TAL Metals

Aluminum exceeds three (3) times the maximum background concentration in the following subsurface soils samples:

AOC 1 – SBS-02; SBS-03

AOC 2 – SBS-05

Iron exceeds three (3) times the maximum background concentration in the following subsurface soils samples:

AOC 1 – SBS-01; SBS-02; SBS-03

AOC 2 – SBS-05; SBS-06

Magnesium exceeds three (3) times the maximum background concentration in the following subsurface soils samples:

AOC 1 – SBS-01; SBS-02; SBS-03

Vanadium exceeds three (3) times the maximum background concentration in the following subsurface soils samples:

AOC 1 – SBS-02; SBS-03

AOC 2 – SBS-05

PCBs

No PCBs were detected in the site characterization subsurface soil samples.

SVOCs

No SVOCs were detected in the site characterization subsurface soil samples.

Table 7-2 summarizes the analytes detected in subsurface soil samples. For comparison purposes, the residential soil and industrial soil RSLs and three (3) times the maximum background concentrations are also included in the table.

7.3 Soil Exposure and Subsurface Intrusion Pathway Targets

The resident population living or working in an area of soil contamination, the population living near areas of soil contamination, designated recreational areas, and terrestrial resources, such as agriculture, are potential targets of soil exposure. In addition, there is the potential for subsurface intrusion into the Main Facility and other buildings near the site. The SESSI targets identified are summarized in the following subsections.

7.3.1 Resident Population

The resident population is defined as those persons living or attending school or daycare on a property where site-attributable soil contamination has been documented and whose residence, school, or day care center is within 200 feet of that contamination. The approximate distances to the closest residence, school, church, and daycare were obtained from Google Earth and are as follows:

Residence – 0.32 miles to the southeast

Cove First Baptist Church – 0.37 miles to the southeast

Cossatot River High School – 4.33 miles to the southeast

Sunshine House Daycare Center – 13.35 miles to the northeast

7.3.2 Worker Population

The worker population is defined as those persons working on a property with an area of site-related sources or soil contamination and whose workplace is on or within 200 feet of an area of observed contamination.

One (1) person was present at the time of the sampling event on October 19, 2021. The person was on-site and inside the buildings sorting debris.

7.3.3 Nearby Population

The Lewis Lumber site is situated in a rural residential and agricultural area on an approximate 37-acre lot. The site is bordered by a wooded area to the north; residences and North Lewis Street to the east; a wooded area and residences to the south; and an open vegetated field to the west. Surface cover consists of concrete foundations of former building, gravel, and vegetated areas. **Table 7-3** provides total population estimates within a 4-mile radius of the site.

7.3.4 Sensitive Environments

As stated in Section 6.3.2, a file review was conducted by the ANHC for the Lewis Lumber site. No occurrences of elements of special concern have been recorded within a 1-mile radius of the site. Eight (8) occurrences of elements of special concern have been recorded within a 4-mile radius of the site. Four aquatic or semi-aquatic elements of special concern have been recorded within a 4-mile radius of the site: Mena crayfish (Faxonius menae), Ouachita shiner (Lythrurus snelsoni), Kiamichi shiner (Notropis rtenburgeri), and Strecker's Chorus Frog (Pseudacris streckeri). A total of 299 occurrences of elements of special concern have been recorded within a 15-mile radius of the site.

According to NEPAssist, the closest wetland area is a Riverine Wetland located along Mountain Fork, approximately 13.1 miles downstream from the Lewis Lumber site. In addition, multiple Freshwater Forested/Shrub Wetland and Freshwater Emergent Wetland areas are located farther downstream along Mountain Fork within the site's 15-mile TDL.

7.3.5 Resources

For the purpose of scoring the soil exposure component of the SESSI pathway, a resource as may include commercial agriculture, commercial silviculture, commercial livestock production or grazing, and major or designated recreational areas within 0.5 miles of a site source. There are no resources present within an area of observed subsurface contamination at the site.

7.4 Soil Exposure and Subsurface Intrusion Pathway Conclusions

A release of hazardous substances to the SESSI pathway has been documented in surface and subsurface soil analytical results.

Arsenic, cadmium, chromium, copper, zinc, calcium, cobalt, manganese and potassium are all present in surface soil at concentrations exceeding three (3) times the maximum background concentrations. Arsenic, copper, lead, nickel, zinc, aluminum, iron, magnesium, and vanadium are present in subsurface soil at concentrations exceeding three (3) times the maximum background concentrations.

Arsenic and Aroclor-1260 are present in surface soil samples at concentrations exceeding residential and/or industrial RSLs. Arsenic is present in subsurface soil at concentrations exceeding residential and industrial RSLs.

Thirteen (13) surface soil samples exceed the maximum concentrations for arsenic recorded by the USGS within Polk County. Seven (7) surface soil samples exceed the maximum concentration for copper recorded by the USGS within Polk County. One (1) surface soil sample exceeds the maximum concentration for zinc recorded by the USGS within Polk County. No subsurface soil site characterization samples exceed the maximum concentrations for any metals recorded by the USGS within Polk County.

Four (4) SVOCs were detected in the site characterization surface soil samples and no SVOCs were detected in the background surface soil samples. No SVOCs were detected in subsurface soil site characterization samples. Because the detected concentrations of SVOCs do not exceed the adjusted CRQL for each analytes, these detections of SVOCs in the surface soils are not evidence of observed contamination.

One (1) PCB, Aroclor-1260, was detected in one (1) site characterization surface soil sample. No PCBs were detected in any background surface soil samples. The concentration of Aroclor-1260 in the site characterizations surface soil sample was greater than the adjusted CRQL; therefore, this sample result establishes an observed release of Aroclor-1260. Additionally, Aroclor-1260 was detected above the residential RSL in the site characterization surface soil sample.

Surface soil contamination was observed across the site in both AOCs. The majority of contamination by chromium, copper, and zinc was observed in AOC 2 on the southern half of the site. The only observed contamination by PCBs was in AOC 1 on the north half of the site.

Surface soil analytical results show observed contamination of the surface soils at the site by the following contaminants: arsenic, cadmium, chromium, copper, zinc, calcium, cobalt, potassium, hexachlorocyclopentadiene, and Aroclor-1260. Subsurface soil analytical results show observed contamination of subsurface soils at the site by the following contaminants: arsenic, copper, lead, nickel, zinc, aluminum, iron, magnesium, manganese, and vanadium.

Table 7-1. Contaminants Detected in Surface Soil Samples

Analyte	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	Residential Soil RSL	Industrial Soil RSL	3X BKND Level
Priority Pollutant Metals:																										
Antimony	U	U	0.230 LJ	U	U	U	U	U	0.230 LJ	U	0.240 LJ	0.230 LJ	U	0.410 J	U	1.30	0.180 J	1.60	1.90	1.00 J	1.90	0.310 J	0.460 J	31.0	470	U
Arsenic	**4.20	*2.50	**44.0	**3.00	**3.50	**6.30	**5.10	**3.80	**27.0	**4.60	**19.0	**11.0	*2.40	**14.0	**3.30	**130	**27.0	**250	**390	**130	**52.0	**28.0	**43.0	0.680	3.00	3.30
Beryllium	0.210 LJ	0.550	0.330 LJ	0.350 LJ	0.320 LJ	0.380 LJ	0.390 LJ	0.340 LJ	0.430 LJ	0.380 LJ	0.240 LJ	0.390 LJ	0.400 J	0.790	0.860	0.160 J	0.280 J	0.280 J	0.270 J	0.330 J	0.200 J	0.460 J	0.370 J	160	2,300	0.990
Cadmium	0.0620 LJ	U	**0.250 LJ**	0.200 LJ	**0.300 LJ**	U	U	0.0810 LJ	0.140 LJ	U	0.100 LJ	0.100 LJ	U	0.160 J	0.0910 J	0.170 J	U	0.150 J	0.130 J	0.0840 J	**0.280 J**	0.0830 J	0.140 J	7.10	100	0.249
Chromium	8.00	9.30	18.0	7.50	7.90	9.40	11.0	9.90	15.0	9.10	**35.0**	**21.0**	7.10	16.0	8.60	**89.0**	12.0	**280**	**480**	**170**	**78.0**	**46.0**	**68.0**	ND	ND	18.3
Copper	**11.0**	**11.0**	**22.0**	**10.0**	**12.0**	**9.7**	**9.9**	**10.0**	**22.0**	**9.20**	**57.0**	**17.0**	**7.50**	**18.0**	**13.0**	**72.0**	**7.60**	**95.0**	**260**	**78.0**	**55.0**	**30.0**	**42.0**	3,100	47,000	13.5 UC
Lead	7.40	17.0	14.0	11.0	7.50	12.0	11.0	10.0	15.0	11.0	9.60	14.0	9.10	19.0	25.0	7.50	8.90	12.0	11.0	26.0	16.0	8.40	11.0	400	800	33.0
Mercury	U	U	U	U	U	U	U	U	U	U	U	U	0.0300 J	0.0270 J	0.0380 J	0.0270 J	0.0310 J	0.0420 J	0.0710 J	0.0700 J	0.0360 J	0.0320 J	0.0250 J	11.0	46.0	0.0930 J
Nickel	5.10	6.10	7.70	6.70	5.70	4.10	4.70	7.80	8.90	4.20	4.60	7.00	3.70	13.0	8.50	1.90	1.20	3.90	5.90	5.30	8.80	6.50	7.20	1,500	22,000	9.30
Zinc	23.0	33.0	40.0	44.0	**63.0**	28.0	29.0	**51.0**	**180**	31.0	26.0	34.0	15.0	**59.0**	38.0	**130**	12.0	**86.0**	**710**	41.0	**53.0**	36.0	48.0	23,000	350,000	51.0
Other TAL Metals:																										
Aluminum	3,900	9,300	6,100	5,800	4,900	7,900	7,100	6,500	7,100	7,500	4,800	7,400	6,800	5,800	8,900	3,000	3,800	5,500	3,800	5,400	4,000	4,000	4,500	77,000	1,100,000	17,700
Barium	37.0	32.0	73.0	37.0	40.0	21.0	21.0	56.0	44.0	24.0	23.0	52.0	22.0	51.0	74.0	39.0	26.0	24.0	23.0	22.0	21.0	25.0	34.0	15,000	220,000	117
Calcium	980	900	2,300	1,900	**3,300**	790	950	1,000	2,300	520	1,100	740	610	990	950	1,200	540	650	420 J	500 J	1,000	360 J	520 J	ND	ND	2,520
Cobalt	2.40	4.20	**15.00**	3.70	4.20	1.80	2.10	4.80	4.50	3.50	2.20	3.80	1.70	**14.0**	7.40	1.20	1.30	2.50	3.10	2.90	2.80	2.80	3.00	23.0	350	7.80
Iron	13,000	26,000	19,000	14,000	11,000	33,000	23,000	18,000	16,000	25,000	13,000	22,000	20,000	19,000	24,000	8,500	9,300	17,000	14,000	22,000	24,000	13,000	18,000	55,000	820,000	45,000
Magnesium	590	1,400	830	900	910	620	600	1,200	1,000	950	1,300	1,500	750	1,800	980	230 J	180 J	780	800	670	590	540	610	ND	ND	2,010
Manganese	260	200	**930**	230	650	130	160	160	300	140	150	380	120	420	460	120	80.0	180	180	230	290	160	230	1,800	26,000	720
Potassium	610	1,300	1,300	1,000	920	730	740	970	960	900	710	790	800	**2,000**	1,300	560	450 J	760	540	870	910	670	710	ND	ND	1,890
Vanadium	5.90	11.0	11.0	7.30	7.30	11.0	11.0	7.00	8.40	8.30	5.00	8.00	7.90	8.20	11.0	3.50	8.50	U	U	1.80 J	3.10	6.60	6.60	390	5,800	27.6
SVOCs:																										
1,4-Dioxane	U	U	U	U	U	U	0.0790 UJ	U	U	0.0770 UJ	U	0.0730 UJ	U	U	U	U	U	U	U	U	U	U	U	5.30	24.0	U
bis(2-Ethylhexyl)phthalate	U	0.0680 LJ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	39.0	160	U
Di-n-butylphthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4.40	U	U	U	U	U	6,300	82,000	U
Hexachlorocyclopentadiene	U	U	U	U	U	0.400 UJ	0.390 UJ	0.350 UJ	0.450 UJ	0.380 UJ	0.920 UJ	0.360 UJ	U	U	U	0.360 UJ	0.370 UJ	**2.00 UJ**	0.380 UJ	0.350 UJ	**1.90 UJ**	U	U	1.80	7.50	U
PCBs:																										
Aroclor-1260	U	U	U	U	U	U	U	U	U	U	**0.250**	U	U	U	U	U	U	U	U	U	U	U	U	0.240	0.990	U

Notes: All concentration values provided in mg/kg
Shading = Concentration equals or exceeds three times the maximum background level, or concentration exceeds adjusted CRQL when not detected in the background sample(s)
ND = Value has not been determined
U = Undetected
* = Concentration equals or exceeds the residential RSL (Region VI May 2021)
** = Concentration equals or exceeds the residential and industrial RSLs (Region VI May 2021)
SS-06 and SS-07, SS-16 and SS-17, and SS-22 and SS-23 are duplicates.

Table 7-2. Contaminants Detected in Subsurface Soil Samples

Analyte	SBS-01	SBS-02	SBS-03	SBS-04	SBS-05	SBS-06	Residential Soil RSL	Industrial Soil RSL	PGSSL	3X BKND Level
Priority Pollutant Metals:										
Arsenic	***^1.20**	***^2.40**	****^3.40**	***^1.50**	***^0.720**	***^2.90**	0.680	3.00	0.290	2.22
Beryllium	0.350 J	0.970	1.00	0.230 J	0.210 J	0.390 J	160	2,300	3.20	1.02 LJ
Chromium	7.40	12.0	13.0	5.30	12.0	14.0	ND	ND	180,000	14.4
Copper	**5.90**	**15.0**	**16.0**	1.90	3.60	**6.80**	3,100	47,000	46.0	4.80 UC
Lead	**^25.0**	11.0	11.0	10.0	7.70	7.60	400	800	14.0	16.5
Mercury	0.0340 J	0.0610 J	0.0540 J	0.0280 J	0.0350 J	0.0360 J	11.0	46.0	ND	U
Nickel	5.20	**16.00**	**17.0**	3.60	2.20	4.80	1,500	22,000	26.0	13.8
Zinc	**17.0**	**55.0**	**60.00**	4.30	3.30	**14.0**	23,000	350,000	370	13.2
Other TAL Metals:										
Aluminum	8,000	**14,000**	**14,000**	4,000	**15,000**	9,900 J	77,000	1,100,000	30,000	12,900
Barium	41.0	24.0	27.0	25.0	30.0	14.0	15,000	220,000	82.0	99.0
Calcium	610	U	U	400 J	1,500 J	1,000	ND	ND	ND	U
Cobalt	**^2.90**	**^4.10**	**^4.40**	**^1.10**	**^0.450 J**	**^1.20**	23.0	350	0.270	4.50
Iron	**^17,000**	**^26,000**	**^24,000**	**^9,900**	**^26,000 J**	**^19,000 J**	55,000	820,000	350	14,700
Magnesium	**820**	**1,300**	**1,200**	210 J	480 J	620	ND	ND	ND	720
Manganese	**^120**	**^98.0**	**^70.0**	**^110**	19.0 J	**^63.0 J**	1,800	26,000	28.0	330
Potassium	780	930	950	400 J	690	690	ND	ND	ND	1,170
Vanadium	8.30	**17.0**	**21.0**	7.7	**17.0**	6.40	390	5,800	86.0	14.4

Notes: All concentration values provided in mg/kg
Shading = Concentration equals or exceeds three times the background level and exceeds adjusted CRQL
ND = Value has not been determined
U = Undetected
* = Concentration equals or exceeds the residential RSL (Region VI May 2021)
** = Concentration equals or exceeds the residential and industrial RSLs (Region VI May 2021)
^ = Concentration exceeds PGSSL (Region VI May 2021)
SBS-02 and SBS-03 are duplicates.

Table 7-3
Population in Vicinity of Lewis Lumber

Distance Radius (Miles)	Number of Residents
0.25	6
0.50	92
1.0	337
2.0	779
3.0	1,142
4.0	1,909

8.0 AIR MIGRATION PATHWAY

The discussion in this section focuses on the air migration pathway, another potential route of hazardous substance migration from the site. Atmospheric conditions, the likelihood of release to air, and potential air pathways are identified below.

8.1 Meteorological Information

Information concerning rainfall in the region is presented in Section 5.2.3 of this report.

8.2 Likelihood of Release

No release of hazardous substances to the air pathway was observed by DEQ's field sampling team.

8.2.1 Air Sampling Results from Previous Investigation

No analytical data from previous air investigations was used for this SI investigation.

8.2.2 SI Air Quality Sampling and Analytical Results

Quantitative air sampling was not completed as part of the SI investigation.

8.3 Air Pathway Targets

The population, resources, and sensitive environments within a 4-mile radius of the site are potential targets of a release of hazardous constituents to the air pathway. The targets identified for the air pathway are discussed in the following sections.

8.3.1 Population Within Four Miles

Approximately 1,909 people reside within a 4-mile radius of Lewis Lumber. **Table 7-3** provided at the end of Section 7.0 provides a breakdown of the population within a 4-mile radius of the site.

8.3.2 Sensitive Environments

Sensitive environments have been previously discussed in Sections 6.3.2 and 7.3.4. Elements of Special Concern have been identified.

8.3.3 Resources

Resources associated with the air pathway include major or designated recreational areas within 0.5 miles of a source at the site. Lake Catherine and the Ouachita River are located immediately adjacent to the site.

8.4 Air Migration Pathway Conclusions

Although there may have been some historical releases to the air pathway from Lewis Lumber, there are no longer any active permitted sources from the facility. A current release to air is not suspected and no blowing particulates were noted during the SI sampling activities. However, if there is any future disturbance of the site structures, equipment, or building contents, air borne asbestos would be an air pathway that would require evaluation.

9.0 SUMMARY & CONCLUSIONS

The Lewis Lumber site is located at 136 W. Mill Street in Cove, Polk County, Arkansas. Cove is located in western Polk County, along the western Arkansas state boundary.

The site is approximately 37 acres in size and is located in a rural residential and agricultural area. Wooded areas, open vegetated areas and residences surround the site West Mill Street intersects the site from the east and separates the site into a northern and southern portion.

While in operation, the Lewis Lumber site was used as a lumber mill and wood treating facility. Lumber mill operations on-site in 1958 and wood treating began in 1976. Logs and precut stock, both hardwood and softwood, were received at the Lewis Lumber site by truck. The logs were cut to length and debarked. The debarked logs were either made into posts and poles or cut into timber for making pallets and skids or specialty lumber. The majority of the posts and poles were treated. Softwood needed to be kiln-dried prior to treating; however, the hardwood did not require drying. All wood treatment was done using a waterborne preservative. Once dried, the treated posts and poles were shipped off-site with the other wood products for sale.

Lewis Lumber operated on-site until 2009, when the property was sold to Jerry Hairrell and Hairrell Lumber began operations. Hairrell Lumber closed and ceased operations on December 30, 2010 due to bankruptcy. The site has remained inactive since this time.

DEQ records show that Lewis Lumber stored materials and generated potential waste containing the following contaminants: particulate matter ($PM_{2.5}$/PM_{10}), sulfur dioxide (SO2), carbon monoxide (CO), nitrogen oxides (NOx), and volatile organic compounds (VOCs). According to the Safety Data Sheet (SDS), the chromium copper acetate (CCA) Type C Wood Preservative used at the Lewis Lumber site was composed of chromic acid, arsenic acid, and copper oxide.

Concerns associated with the migration and exposure pathways are summarized as follows:

- As stated in Section 4.0, definitive source characterization was limited to analytical results. The specific dimensions of contaminated soil could not be estimated based on analytical results.

- As discussed in Section 5.0, a release to the groundwater pathway has not been documented.

- As discussed in Section 6.0, potential of release of hazardous substances by overland flow to the surface water pathway has been documented in sediment analytical results.
    - Arsenic, chromium, copper, nickel, zinc, aluminum, barium, calcium, cobalt, iron, magnesium, and manganese are all present in concentrations exceeding three (3) times the maximum background concentrations in sediment samples. This indicates an observed release of these metals.
    - Arsenic, Aroclor-1248, and Aroclor-1254 are present in concentrations exceeding the residential and industrial RSLs in sediment samples.
    - Concentrations of Aroclor-1248 and Aroclor-1254 were not detected in background sediment samples, but were detected in site characterization sediment samples at concentrations greater than the adjusted CRQL. This indicates an observed release of these PCBs.
    - Arsenic, chromium, copper, mercury, barium, and manganese were detected at concentrations exceeding sediment ecological screening levels.
- As discussed in Section 7.0, a release of hazardous substances to the SESSI pathway has been documented in surface soil and subsurface soil analytical results.
    - Arsenic, cadmium, chromium, copper, zinc, calcium, cobalt, manganese and potassium were detected at concentrations exceeding three (3) times the maximum background concentrations in site characterization surface soil samples.
    - Arsenic and Aroclor-1260 are present in surface soil samples at concentrations exceeding residential and/or industrial RSLs.
    - Aroclor-1260 was detected in one (1) site characterization surface soil sample, but was not detected in background surface soil samples. Because the concentration of Aroclor-1260 exceeds the adjusted CRQL, this establishes observed contamination of surface soils by Aroclor-1260.
    - Arsenic, copper, lead, nickel, zinc, aluminum, iron, magnesium, and vanadium were detected at concentrations exceeding three (3) times the maximum background concentrations in site characterization subsurface samples.
    - Arsenic is present in subsurface soil at concentrations exceeding residential and industrial RSLs.
- As discussed in Section 8.0, although there may have been historical releases to the air pathway, there are currently no active permitted sources from the facility. Quantitative air sampling was not completed as part of the SI investigation. A current release to air is not suspected and no blowing particulates were noted during site visits.

A pre-score package was conducted using the information from the Lewis Lumber SI and a site score of 12.37 was obtained. Since the site score is less than the required score of 28.50, which is used to access the relative potential of a site to pose a threat to human health or the environment, DEQ recommends no further investigation at this time.

10.0 REFERENCES

1. Division of Environmental Quality. (April 2019). *Preliminary Assessment for Lewis Lumber and Manufacturing Company, EPA ID No. ARD006348353, Cove, Polk County, Arkansas*.

2. Division of Environmental Quality. (August 2021). *Task Work Plan for Lewis Lumber and Manufacturing, EPA ID No. ARD006348353, Cove, Polk County, Arkansas*.

3. United States Environmental Protection Agency (May 1991). *Management of Investigation-Derived Wastes During Site Inspections.*

4. United States Geological Survey. (Accessed June 2022). Available online at https://mrdata.usgs.gov/geochem/county.php?place=f05059&el=As&rf=south-central

5. United States Environmental Protection Agency. Regional Screening Levels – User's Guide May 2022. (Accessed January 2023), Available online at https://www.epa.gov/risk/regional-screening-levels-rsls-users-guide

6. Cornell University Law School Legal Information Institute. (Accessed January 2023). Available online at https://www.law.cornell.edu/cfr/text/40/appendix-A_to_part_300

7. U.S. Department of Commerce. (May 1961; Reprinted January 1963). *Weather Bureau Technical Paper No. 40, Rainfall Frequency Atlas of the United States for Durations from 30 Minutes to 24 Hours and Return Periods from 1 to 100 Years.*

8. Environmental Protection Agency. National Environmental Policy Act database. (Accessed January 2023). Available online at http://nepassisttool.epa.gov/nepassist/entry.aspx

APPENDIX A

EPA CLP FINAL ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORMS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

November 29, 2021

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

FROM: Raymond Flores, ESAT Regional Project Officer
Laboratory Services and Applied Science Division (6LASBE)

TO: Philip Ofosu, Superfund Project Manager (6SEDAS)

Site: **LEWIS LUMBER AND MANUFACTURING CO.**

Case#: **49708**

SDG#: **F4C01**

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

Serco, Inc.

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

MEMORANDUM

DATE: November 29, 2021

TO: Raymond Flores, ESAT PO, EPA Region 6

FROM: Ying-Ping Hsieh, Data Reviewer, ESAT YH

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ

SUBJECT: CLP Data Review

Contract No.:	68HE0121D0003
TO No.:	001
Task/Sub-Task:	2-6
ESAT Doc. No.:	0001-206-0037
TDF No.:	6-22-019A
ESAT File No.:	O-1565

Attached is the data review summary for Case # 49708
SDG # F4C01
Site Lewis Lumber and Manufacturing Co.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099
ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	49708	SITE	Lewis Lumber and Manufacturing Co.
LABORATORY	PAS	NO. OF SAMPLES	19
CONTRACT#	68HERH20D0015	MATRIX	Soil
SDG#	F4C01	REVIEWER (IF NOT ESB)	ESAT
SOW#	SFAM01.1	REVIEWER'S NAME	Ying-Ping Hsieh
SF#	303DD2A6RV	COMPLETION DATE	November 29, 2021

SAMPLE NO.					
	F4C00	F4C05	F4C16	F4C26	F4C30
	F4C01	F4C06	F4C17	F4C27	F4C31
	F4C02	F4C07	F4C18	F4C28	F4C32
	F4C04	F4C08	F4C25	F4C29	

DATA ASSESSMENT SUMMARY

		SVOA	ARO
1.	HOLDING TIMES	O	O
2.	GC/MS TUNE/INSTR. PERFORM.	O	O
3.	CALIBRATIONS	O	O
4.	BLANKS	O	O
5.	DMC/SURROGATES	O	O
6.	MATRIX SPIKE/DUPLICATE/LCS	O	O
7.	OTHER QC	N/A	N/A
8.	INTERNAL STANDARDS	O	N/A
9.	COMPOUND ID/QUANTITATION	O	O
10.	PERFORMANCE/COMPLETENESS	O	O
11.	OVERALL ASSESSMENT	O	O

O = Data had no problems.
M = Data qualified because of major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN:

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 49708 **SDG** F4C01 **SITE** Lewis Lumber and Manufacturing Co. **LAB** PAS

COMMENTS: This SDG consisted of 19 soil samples for SVOA and ARO analyses following CLP SOW SFAM01.1. The sampler designated sample F4C08 as the laboratory QC sample for the ARO fraction. MS/MSD analyses were not requested for the SVOA fraction of this case.

The SOW requires that the soil sample results be adjusted for moisture content, which raised adjusted QLs above the CRQLs specified in the SOW. The adjusted CRQLs were reported by the laboratory and are referred to as SQLs in this report.

S4VEM Review was performed for this package as requested by the Region. No target analyte was reported at a concentration above the SQL for the samples of this SDG.

OVERALL ASSESSMENT: All results are acceptable. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

ORGANIC ACRONYMS

%D	Percent Difference
%RSD	Percent Relative Standard Deviation
ARO	Aroclors
BFB	4-Bromofluorobenzene
BNA	Base/Neutral and Acid
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CF	Calibration Factor
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenylphosphine
DMC	Deuterated Monitoring Compound
DST	Data Summary Table
EDM	EXES Data Manager
GC/ECD	Gas Chromatograph/Electron Capture Detector
GC/MS	Gas Chromatograph/Mass Spectrometer
GPC	Gel Permeation Chromatography
IC	Initial Calibration
INDA(B,C)	Individual Standard Mixture A(or B or C)
IS	Internal Standard
LCS	Laboratory Control Sample
LMVOA	Low/Medium Volatile Organic Analysis
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NFG	National Functional Guidelines
OTR/COC	Organic Traffic Report/Chain of Custody
PAH	Polynuclear Aromatic Hydrocarbon
PE	Performance Evaluation
PEM	Performance Evaluation Mixture
PEST	Pesticides
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RIC	Reconstructed Ion Chromatogram
RPD	Relative Percent Difference
RRF	Relative Response Factor
RRT	Relative Retention Time
RSCC	Regional Sample Control Center
RT	Retention Time
S3VEM	Stage 3 Validation Electronic and Manual (previously called Modified CADRE Review)
S4VEM	Stage 4 Validation Electronic and Manual (previously called Standard Review)
SDG	Sample Delivery Group
SDMC	Semivolatile Deuterated Monitoring Compound
SIM	Selected Ion Monitoring
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
SVOA	Semivolatile Organic Analysis
TCL	Target Compound List
TCX	Tetrachloro-m-xylene
TIC	Tentatively Identified Compound
TVOA	Trace Volatile Organic Analysis
VDMC	Volatile Deuterated Monitoring Compound
VOA	Volatile Organic Analysis

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number

SDG: SDG Number

EPASAMP: EPA Sample Number

LABID: Laboratory File/Sample ID

MATRIX: Sample Matrix

ANDATE: Sample Analysis Date

ANTIME: Sample Analysis Time

CASNUM: Compound CAS Number

ANALYTE: Compound Name

CONC: Compound Concentration

VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)

UNITS: Concentration Units

ADJCRQL: Adjusted Contract Required Quantitation Limit Value

SMPDATE: Sampling Date

STATLOC: Station Location

DVLEV: Data Validation Level

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, VALDQAL, and ADJCRQL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

N Identification is tentative.

J Estimated value.

L Reported concentration is below the CRQL.

M Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.

R Unusable.

+ High biased. Actual concentration may be lower than the concentration reported.

- Low biased. Actual concentration may be higher than the concentration reported.

F+ A false positive exists.

F- A false negative exists.

UJ Estimated quantitation limit.

T Identification is questionable because of absence of other commonly coexisting pesticides.

C Identification of pesticide or Aroclor has been confirmed by Gas Chromatography/Mass Spectrometer (GC/MS).

X Identification of pesticide or Aroclor could not be confirmed by GC/MS when attempted.

***** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.

CASE	SDG	EPASAMP	LABID	MATRIX	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	STATLOC	DVLEV
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	123-91-1	1,4-Dioxane	74	U	ug/kg	74	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	100-52-7	Benzaldehyde	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	108-95-2	Phenol	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	111-44-4	Bis(2-Chloroethyl) ether	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	95-48-7	2-Methylphenol	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	108-60-1	2,2'-Oxybis(1-chloropropane)	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	98-86-2	Acetophenone	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	106-44-5	3-Methylphenol + 4-Methylphenol	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	78-59-1	Isophorone	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	106-47-8	4-Chloroaniline	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	105-60-2	Caprolactam	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	77-47-4	Hexachlorocyclo-pentadiene	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	99-09-2	3-Nitroaniline	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	51-28-5	2,4-Dinitrophenol	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	100-02-7	4-Nitrophenol	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	86-73-7	Fluorene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	100-01-6	4-Nitroaniline	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	534-52-1	4,6-Dinitro-2-methylphenol	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	1912-24-9	Atrazine	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	87-86-5	Pentachlorophenol	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	120-12-7	Anthracene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	86-74-8	Carbazole	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM

49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	129-00-0	Pyrene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	91-94-1	3,3'-Dichlorobenzidine	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	218-01-9	Chrysene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	117-84-0	Di-n-octylphthalate	370	U	ug/kg	370	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/27/2021	20:29:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	123-91-1	1,4-Dioxane	78	U	ug/kg	78	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	100-52-7	Benzaldehyde	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	108-95-2	Phenol	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	111-44-4	Bis(2-Chloroethyl) ether	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	95-57-8	2-Chlorophenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	95-48-7	2-Methylphenol	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	108-60-1	2,2'-Oxybis(1-chloropropane)	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	98-86-2	Acetophenone	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	106-44-5	3-Methylphenol + 4-Methylphenol	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	621-64-7	N-Nitroso-di-n propylamine	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	67-72-1	Hexachloroethane	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	98-95-3	Nitrobenzene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	78-59-1	Isophorone	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	88-75-5	2-Nitrophenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	105-67-9	2,4-Dimethylphenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	111-91-1	bis(2-Chloroethoxy)methane	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	120-83-2	2,4-Dichlorophenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	91-20-3	Naphthalene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	106-47-8	4-Chloroaniline	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	87-68-3	Hexachlorobutadiene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	105-60-2	Caprolactam	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	90-12-0	1-Methylnaphthalene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	91-57-6	2-Methylnaphthalene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	77-47-4	Hexachlorocyclo-pentadiene	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	88-06-2	2,4,6-Trichlorophenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	92-52-4	1,1'-Biphenyl	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	91-58-7	2-Chloronaphthalene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	88-74-4	2-Nitroaniline	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	131-11-3	Dimethylphthalate	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	606-20-2	2,6-Dinitrotoluene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	208-96-8	Acenaphthylene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	99-09-2	3-Nitroaniline	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	83-32-9	Acenaphthene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	51-28-5	2,4-Dinitrophenol	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	100-02-7	4-Nitrophenol	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	132-64-9	Dibenzofuran	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM

49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	121-14-2	2,4-Dinitrotoluene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	84-66-2	Diethylphthalate	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	86-73-7	Fluorene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	7005-72-3	4-Chlorophenyl-phenyl ether	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	100-01-6	4-Nitroaniline	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	534-52-1	4,6-Dinitro-2-methylphenol	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	86-30-6	N-Nitrosodiphenylamine	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	101-55-3	4-Bromophenyl-phenylether	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	118-74-1	Hexachlorobenzene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	1912-24-9	Atrazine	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	87-86-5	Pentachlorophenol	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	85-01-8	Phenanthrene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	120-12-7	Anthracene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	86-74-8	Carbazole	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	84-74-2	Di-n-butylphthalate	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	206-44-0	Fluoranthene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	129-00-0	Pyrene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	85-68-7	Butylbenzylphthalate	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	91-94-1	3,3'-Dichlorobenzidine	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	56-55-3	Benzo(a)anthracene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	218-01-9	Chrysene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	117-81-7	bis(2-Ethylhexyl)phthalate	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	117-84-0	Di-n-octylphthalate	380	U	ug/kg	380	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	205-99-2	Benzo(b)fluoranthene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	207-08-9	Benzo(k)fluoranthene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	50-32-8	Benzo(a)pyrene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	193-39-5	Indeno(1,2,3-cd)pyrene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	53-70-3	Dibenzo(a,h)anthracene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	191-24-2	Benzo(g,h,i)perylene	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/27/2021	13:11:00	58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg	200	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	123-91-1	1,4-Dioxane	74	U	ug/kg	74	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	100-52-7	Benzaldehyde	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	108-95-2	Phenol	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	111-44-4	Bis(2-Chloroethyl) ether	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	95-48-7	2-Methylphenol	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	108-60-1	2,2'-Oxybis(1-chloropropane)	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	98-86-2	Acetophenone	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	106-44-5	3-Methylphenol + 4-Methylphenol	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	78-59-1	Isophorone	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	106-47-8	4-Chloroaniline	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	105-60-2	Caprolactam	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM

49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	77-47-4	Hexachlorocyclo-pentadiene	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	99-09-2	3-Nitroaniline	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	51-28-5	2,4-Dinitrophenol	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	100-02-7	4-Nitrophenol	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	86-73-7	Fluorene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	100-01-6	4-Nitroaniline	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	534-52-1	4,6-Dinitro-2-methylphenol	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	1912-24-9	Atrazine	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	87-86-5	Pentachlorophenol	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	120-12-7	Anthracene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	86-74-8	Carbazole	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	129-00-0	Pyrene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	91-94-1	3,3'-Dichlorobenzidine	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	218-01-9	Chrysene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	117-84-0	Di-n-octylphthalate	360	U	ug/kg	360	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/27/2021	13:40:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	123-91-1	1,4-Dioxane	75	U	ug/kg	75	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	100-52-7	Benzaldehyde	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	108-95-2	Phenol	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	111-44-4	Bis(2-Chloroethyl) ether	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	95-48-7	2-Methylphenol	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	108-60-1	2,2'-Oxybis(1-chloropropane)	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	98-86-2	Acetophenone	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM

49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	106-44-5	3-Methylphenol + 4-Methylphenol	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	78-59-1	Isophorone	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	106-47-8	4-Chloroaniline	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	105-60-2	Caprolactam	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	77-47-4	Hexachlorocyclo-pentadiene	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	99-09-2	3-Nitroaniline	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	51-28-5	2,4-Dinitrophenol	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	100-02-7	4-Nitrophenol	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	86-73-7	Fluorene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	100-01-6	4-Nitroaniline	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	534-52-1	4,6-Dinitro-2-methylphenol	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	1912-24-9	Atrazine	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	87-86-5	Pentachlorophenol	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	120-12-7	Anthracene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	86-74-8	Carbazole	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	129-00-0	Pyrene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	91-94-1	3,3'-Dichlorobenzidine	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	218-01-9	Chrysene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	117-84-0	Di-n-octylphthalate	370	U	ug/kg	370	10/19/2021	SS-01	S4VEM

49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/27/2021	14:10:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	123-91-1	1,4-Dioxane	76	U	ug/kg	76	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	100-52-7	Benzaldehyde	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	108-95-2	Phenol	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	111-44-4	Bis(2-Chloroethyl) ether	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	95-48-7	2-Methylphenol	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	108-60-1	2,2'-Oxybis(1-chloropropane)	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	98-86-2	Acetophenone	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	106-44-5	3-Methylphenol + 4-Methylphenol	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	78-59-1	Isophorone	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	106-47-8	4-Chloroaniline	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	105-60-2	Caprolactam	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	77-47-4	Hexachlorocyclo-pentadiene	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	99-09-2	3-Nitroaniline	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	51-28-5	2,4-Dinitrophenol	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	100-02-7	4-Nitrophenol	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	86-73-7	Fluorene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	100-01-6	4-Nitroaniline	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	534-52-1	4,6-Dinitro-2-methylphenol	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM

49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	1912-24-9	Atrazine	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	87-86-5	Pentachlorophenol	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	120-12-7	Anthracene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	86-74-8	Carbazole	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	129-00-0	Pyrene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	91-94-1	3,3'-Dichlorobenzidine	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	218-01-9	Chrysene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	117-81-7	bis(2-Ethylhexyl)phthalate	68	LJ	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	117-84-0	Di-n-octylphthalate	370	U	ug/kg	370	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/27/2021	14:39:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	123-91-1	1,4-Dioxane	97	U	ug/kg	97	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	100-52-7	Benzaldehyde	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	108-95-2	Phenol	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	111-44-4	Bis(2-Chloroethyl) ether	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	95-57-8	2-Chlorophenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	95-48-7	2-Methylphenol	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	108-60-1	2,2'-Oxybis(1-chloropropane)	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	98-86-2	Acetophenone	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	106-44-5	3-Methylphenol + 4-Methylphenol	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	621-64-7	N-Nitroso-di-n propylamine	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	67-72-1	Hexachloroethane	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	98-95-3	Nitrobenzene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	78-59-1	Isophorone	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	88-75-5	2-Nitrophenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	105-67-9	2,4-Dimethylphenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	111-91-1	bis(2-Chloroethoxy)methane	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	120-83-2	2,4-Dichlorophenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	91-20-3	Naphthalene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	106-47-8	4-Chloroaniline	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	87-68-3	Hexachlorobutadiene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	105-60-2	Caprolactam	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	59-50-7	4-Chloro-3-methylphenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	90-12-0	1-Methylnaphthalene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	91-57-6	2-Methylnaphthalene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	77-47-4	Hexachlorocyclo-pentadiene	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	88-06-2	2,4,6-Trichlorophenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	95-95-4	2,4,5-Trichlorophenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	92-52-4	1,1'-Biphenyl	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	91-58-7	2-Chloronaphthalene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	88-74-4	2-Nitroaniline	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	131-11-3	Dimethylphthalate	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	606-20-2	2,6-Dinitrotoluene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM

49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	208-96-8	Acenaphthylene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	99-09-2	3-Nitroaniline	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	83-32-9	Acenaphthene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	51-28-5	2,4-Dinitrophenol	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	100-02-7	4-Nitrophenol	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	132-64-9	Dibenzofuran	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	121-14-2	2,4-Dinitrotoluene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	84-66-2	Diethylphthalate	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	86-73-7	Fluorene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	7005-72-3	4-Chlorophenyl-phenyl ether	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	100-01-6	4-Nitroaniline	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	534-52-1	4,6-Dinitro-2-methylphenol	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	86-30-6	N-Nitrosodiphenylamine	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	101-55-3	4-Bromophenyl-phenylether	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	118-74-1	Hexachlorobenzene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	1912-24-9	Atrazine	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	87-86-5	Pentachlorophenol	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	85-01-8	Phenanthrene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	120-12-7	Anthracene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	86-74-8	Carbazole	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	84-74-2	Di-n-butylphthalate	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	206-44-0	Fluoranthene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	129-00-0	Pyrene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	85-68-7	Butylbenzylphthalate	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	91-94-1	3,3'-Dichlorobenzidine	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	56-55-3	Benzo(a)anthracene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	218-01-9	Chrysene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	117-81-7	bis(2-Ethylhexyl)phthalate	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	117-84-0	Di-n-octylphthalate	480	U	ug/kg	480	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	205-99-2	Benzo(b)fluoranthene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	207-08-9	Benzo(k)fluoranthene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	50-32-8	Benzo(a)pyrene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	193-39-5	Indeno(1,2,3-cd)pyrene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	53-70-3	Dibenzo(a,h)anthracene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	191-24-2	Benzo(g,h,i)perylene	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/27/2021	15:08:00	58-90-2	2,3,4,6-Tetrachlorophenol	250	U	ug/kg	250	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	123-91-1	1,4-Dioxane	90	U	ug/kg	90	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	100-52-7	Benzaldehyde	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	108-95-2	Phenol	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	111-44-4	Bis(2-Chloroethyl) ether	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	95-57-8	2-Chlorophenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	95-48-7	2-Methylphenol	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	108-60-1	2,2'-Oxybis(1-chloropropane)	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	98-86-2	Acetophenone	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	106-44-5	3-Methylphenol + 4-Methylphenol	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	621-64-7	N-Nitroso-di-n propylamine	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	67-72-1	Hexachloroethane	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	98-95-3	Nitrobenzene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	78-59-1	Isophorone	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	88-75-5	2-Nitrophenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	105-67-9	2,4-Dimethylphenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	111-91-1	bis(2-Chloroethoxy)methane	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	120-83-2	2,4-Dichlorophenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM

49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	91-20-3	Naphthalene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	106-47-8	4-Chloroaniline	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	87-68-3	Hexachlorobutadiene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	105-60-2	Caprolactam	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	59-50-7	4-Chloro-3-methylphenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	90-12-0	1-Methylnaphthalene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	91-57-6	2-Methylnaphthalene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	77-47-4	Hexachlorocyclo-pentadiene	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	88-06-2	2,4,6-Trichlorophenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	95-95-4	2,4,5-Trichlorophenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	92-52-4	1,1'-Biphenyl	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	91-58-7	2-Chloronaphthalene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	88-74-4	2-Nitroaniline	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	131-11-3	Dimethylphthalate	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	606-20-2	2,6-Dinitrotoluene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	208-96-8	Acenaphthylene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	99-09-2	3-Nitroaniline	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	83-32-9	Acenaphthene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	51-28-5	2,4-Dinitrophenol	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	100-02-7	4-Nitrophenol	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	132-64-9	Dibenzofuran	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	121-14-2	2,4-Dinitrotoluene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	84-66-2	Diethylphthalate	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	86-73-7	Fluorene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	7005-72-3	4-Chlorophenyl-phenyl ether	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	100-01-6	4-Nitroaniline	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	534-52-1	4,6-Dinitro-2-methylphenol	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	86-30-6	N-Nitrosodiphenylamine	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	101-55-3	4-Bromophenyl-phenylether	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	118-74-1	Hexachlorobenzene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	1912-24-9	Atrazine	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	87-86-5	Pentachlorophenol	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	85-01-8	Phenanthrene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	120-12-7	Anthracene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	86-74-8	Carbazole	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	84-74-2	Di-n-butylphthalate	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	206-44-0	Fluoranthene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	129-00-0	Pyrene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	85-68-7	Butylbenzylphthalate	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	91-94-1	3,3'-Dichlorobenzidine	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	56-55-3	Benzo(a)anthracene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	218-01-9	Chrysene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	117-81-7	bis(2-Ethylhexyl)phthalate	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	117-84-0	Di-n-octylphthalate	440	U	ug/kg	440	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	205-99-2	Benzo(b)fluoranthene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	207-08-9	Benzo(k)fluoranthene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	50-32-8	Benzo(a)pyrene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	193-39-5	Indeno(1,2,3-cd)pyrene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	53-70-3	Dibenzo(a,h)anthracene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	191-24-2	Benzo(g,h,i)perylene	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/27/2021	15:37:00	58-90-2	2,3,4,6-Tetrachlorophenol	230	U	ug/kg	230	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	123-91-1	1,4-Dioxane	90	U	ug/kg	90	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	100-52-7	Benzaldehyde	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM

49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	108-95-2	Phenol	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	111-44-4	Bis(2-Chloroethyl) ether	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	95-57-8	2-Chlorophenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	95-48-7	2-Methylphenol	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	108-60-1	2,2'-Oxybis(1-chloropropane)	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	98-86-2	Acetophenone	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	106-44-5	3-Methylphenol + 4-Methylphenol	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	621-64-7	N-Nitroso-di-n propylamine	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	67-72-1	Hexachloroethane	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	98-95-3	Nitrobenzene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	78-59-1	Isophorone	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	88-75-5	2-Nitrophenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	105-67-9	2,4-Dimethylphenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	111-91-1	bis(2-Chloroethoxy)methane	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	120-83-2	2,4-Dichlorophenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	91-20-3	Naphthalene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	106-47-8	4-Chloroaniline	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	87-68-3	Hexachlorobutadiene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	105-60-2	Caprolactam	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	59-50-7	4-Chloro-3-methylphenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	90-12-0	1-Methylnaphthalene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	91-57-6	2-Methylnaphthalene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	77-47-4	Hexachlorocyclo-pentadiene	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	88-06-2	2,4,6-Trichlorophenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	95-95-4	2,4,5-Trichlorophenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	92-52-4	1,1'-Biphenyl	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	91-58-7	2-Chloronaphthalene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	88-74-4	2-Nitroaniline	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	131-11-3	Dimethylphthalate	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	606-20-2	2,6-Dinitrotoluene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	208-96-8	Acenaphthylene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	99-09-2	3-Nitroaniline	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	83-32-9	Acenaphthene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	51-28-5	2,4-Dinitrophenol	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	100-02-7	4-Nitrophenol	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	132-64-9	Dibenzofuran	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	121-14-2	2,4-Dinitrotoluene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	84-66-2	Diethylphthalate	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	86-73-7	Fluorene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	7005-72-3	4-Chlorophenyl-phenyl ether	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	100-01-6	4-Nitroaniline	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	534-52-1	4,6-Dinitro-2-methylphenol	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	86-30-6	N-Nitrosodiphenylamine	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	101-55-3	4-Bromophenyl-phenylether	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	118-74-1	Hexachlorobenzene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	1912-24-9	Atrazine	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	87-86-5	Pentachlorophenol	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	85-01-8	Phenanthrene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	120-12-7	Anthracene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	86-74-8	Carbazole	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	84-74-2	Di-n-butylphthalate	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	206-44-0	Fluoranthene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	129-00-0	Pyrene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM

49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	85-68-7	Butylbenzylphthalate	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	91-94-1	3,3'-Dichlorobenzidine	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	56-55-3	Benzo(a)anthracene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	218-01-9	Chrysene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	117-81-7	bis(2-Ethylhexyl)phthalate	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	117-84-0	Di-n-octylphthalate	440	U	ug/kg	440	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	205-99-2	Benzo(b)fluoranthene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	207-08-9	Benzo(k)fluoranthene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	50-32-8	Benzo(a)pyrene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	193-39-5	Indeno(1,2,3-cd)pyrene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	53-70-3	Dibenzo(a,h)anthracene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	191-24-2	Benzo(g,h,i)perylene	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-007	S	10/27/2021	16:07:00	58-90-2	2,3,4,6-Tetrachlorophenol	230	U	ug/kg	230	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	123-91-1	1,4-Dioxane	74	U	ug/kg	74	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	100-52-7	Benzaldehyde	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	108-95-2	Phenol	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	111-44-4	Bis(2-Chloroethyl) ether	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	95-48-7	2-Methylphenol	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	108-60-1	2,2'-Oxybis(1-chloropropane)	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	98-86-2	Acetophenone	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	106-44-5	3-Methylphenol + 4-Methylphenol	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	78-59-1	Isophorone	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	106-47-8	4-Chloroaniline	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	105-60-2	Caprolactam	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	77-47-4	Hexachlorocyclo-pentadiene	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	99-09-2	3-Nitroaniline	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	51-28-5	2,4-Dinitrophenol	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	100-02-7	4-Nitrophenol	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	86-73-7	Fluorene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM

49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	100-01-6	4-Nitroaniline	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	534-52-1	4,6-Dinitro-2-methylphenol	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	1912-24-9	Atrazine	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	87-86-5	Pentachlorophenol	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	120-12-7	Anthracene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	86-74-8	Carbazole	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	129-00-0	Pyrene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	91-94-1	3,3'-Dichlorobenzidine	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	218-01-9	Chrysene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	117-84-0	Di-n-octylphthalate	370	U	ug/kg	370	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/27/2021	20:58:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	123-91-1	1,4-Dioxane	71	U	ug/kg	71	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	100-52-7	Benzaldehyde	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	108-95-2	Phenol	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	111-44-4	Bis(2-Chloroethyl) ether	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	95-57-8	2-Chlorophenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	95-48-7	2-Methylphenol	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	108-60-1	2,2'-Oxybis(1-chloropropane)	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	98-86-2	Acetophenone	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	106-44-5	3-Methylphenol + 4-Methylphenol	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	621-64-7	N-Nitroso-di-n propylamine	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	67-72-1	Hexachloroethane	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	98-95-3	Nitrobenzene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	78-59-1	Isophorone	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	88-75-5	2-Nitrophenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	105-67-9	2,4-Dimethylphenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	111-91-1	bis(2-Chloroethoxy)methane	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	120-83-2	2,4-Dichlorophenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	91-20-3	Naphthalene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	106-47-8	4-Chloroaniline	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	87-68-3	Hexachlorobutadiene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	105-60-2	Caprolactam	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	59-50-7	4-Chloro-3-methylphenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	90-12-0	1-Methylnaphthalene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	91-57-6	2-Methylnaphthalene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	77-47-4	Hexachlorocyclo-pentadiene	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	88-06-2	2,4,6-Trichlorophenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM

49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	95-95-4	2,4,5-Trichlorophenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	92-52-4	1,1'-Biphenyl	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	91-58-7	2-Chloronaphthalene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	88-74-4	2-Nitroaniline	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	131-11-3	Dimethylphthalate	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	606-20-2	2,6-Dinitrotoluene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	208-96-8	Acenaphthylene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	99-09-2	3-Nitroaniline	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	83-32-9	Acenaphthene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	51-28-5	2,4-Dinitrophenol	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	100-02-7	4-Nitrophenol	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	132-64-9	Dibenzofuran	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	121-14-2	2,4-Dinitrotoluene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	84-66-2	Diethylphthalate	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	86-73-7	Fluorene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	7005-72-3	4-Chlorophenyl-phenyl ether	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	100-01-6	4-Nitroaniline	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	534-52-1	4,6-Dinitro-2-methylphenol	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	86-30-6	N-Nitrosodiphenylamine	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	101-55-3	4-Bromophenyl-phenylether	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	118-74-1	Hexachlorobenzene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	1912-24-9	Atrazine	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	87-86-5	Pentachlorophenol	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	85-01-8	Phenanthrene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	120-12-7	Anthracene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	86-74-8	Carbazole	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	84-74-2	Di-n-butylphthalate	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	206-44-0	Fluoranthene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	129-00-0	Pyrene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	85-68-7	Butylbenzylphthalate	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	91-94-1	3,3'-Dichlorobenzidine	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	56-55-3	Benzo(a)anthracene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	218-01-9	Chrysene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	117-81-7	bis(2-Ethylhexyl)phthalate	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	117-84-0	Di-n-octylphthalate	350	U	ug/kg	350	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	205-99-2	Benzo(b)fluoranthene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	207-08-9	Benzo(k)fluoranthene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	50-32-8	Benzo(a)pyrene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	193-39-5	Indeno(1,2,3-cd)pyrene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	53-70-3	Dibenzo(a,h)anthracene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	191-24-2	Benzo(g,h,i)perylene	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/27/2021	21:27:00	58-90-2	2,3,4,6-Tetrachlorophenol	180	U	ug/kg	180	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	123-91-1	1,4-Dioxane	78	U	ug/kg	78	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	100-52-7	Benzaldehyde	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	108-95-2	Phenol	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	111-44-4	Bis(2-Chloroethyl) ether	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	95-57-8	2-Chlorophenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	95-48-7	2-Methylphenol	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	108-60-1	2,2'-Oxybis(1-chloropropane)	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	98-86-2	Acetophenone	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	106-44-5	3-Methylphenol + 4-Methylphenol	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	621-64-7	N-Nitroso-di-n propylamine	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	67-72-1	Hexachloroethane	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM

49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	98-95-3	Nitrobenzene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	78-59-1	Isophorone	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	88-75-5	2-Nitrophenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	105-67-9	2,4-Dimethylphenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	111-91-1	bis(2-Chloroethoxy)methane	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	120-83-2	2,4-Dichlorophenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	91-20-3	Naphthalene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	106-47-8	4-Chloroaniline	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	87-68-3	Hexachlorobutadiene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	105-60-2	Caprolactam	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	90-12-0	1-Methylnaphthalene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	91-57-6	2-Methylnaphthalene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	77-47-4	Hexachlorocyclo-pentadiene	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	88-06-2	2,4,6-Trichlorophenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	92-52-4	1,1'-Biphenyl	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	91-58-7	2-Chloronaphthalene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	88-74-4	2-Nitroaniline	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	131-11-3	Dimethylphthalate	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	606-20-2	2,6-Dinitrotoluene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	208-96-8	Acenaphthylene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	99-09-2	3-Nitroaniline	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	83-32-9	Acenaphthene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	51-28-5	2,4-Dinitrophenol	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	100-02-7	4-Nitrophenol	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	132-64-9	Dibenzofuran	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	121-14-2	2,4-Dinitrotoluene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	84-66-2	Diethylphthalate	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	86-73-7	Fluorene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	7005-72-3	4-Chlorophenyl-phenyl ether	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	100-01-6	4-Nitroaniline	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	534-52-1	4,6-Dinitro-2-methylphenol	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	86-30-6	N-Nitrosodiphenylamine	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	101-55-3	4-Bromophenyl-phenylether	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	118-74-1	Hexachlorobenzene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	1912-24-9	Atrazine	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	87-86-5	Pentachlorophenol	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	85-01-8	Phenanthrene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	120-12-7	Anthracene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	86-74-8	Carbazole	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	84-74-2	Di-n-butylphthalate	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	206-44-0	Fluoranthene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	129-00-0	Pyrene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	85-68-7	Butylbenzylphthalate	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	91-94-1	3,3'-Dichlorobenzidine	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	56-55-3	Benzo(a)anthracene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	218-01-9	Chrysene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	117-81-7	bis(2-Ethylhexyl)phthalate	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	117-84-0	Di-n-octylphthalate	380	U	ug/kg	380	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	205-99-2	Benzo(b)fluoranthene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	207-08-9	Benzo(k)fluoranthene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	50-32-8	Benzo(a)pyrene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM

49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	193-39-5	Indeno(1,2,3-cd)pyrene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	53-70-3	Dibenzo(a,h)anthracene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	191-24-2	Benzo(g,h,i)perylene	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/27/2021	21:56:00	58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg	200	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	123-91-1	1,4-Dioxane	73	U	ug/kg	73	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	100-52-7	Benzaldehyde	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	108-95-2	Phenol	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	111-44-4	Bis(2-Chloroethyl) ether	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	95-48-7	2-Methylphenol	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	108-60-1	2,2'-Oxybis(1-chloropropane)	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	98-86-2	Acetophenone	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	106-44-5	3-Methylphenol + 4-Methylphenol	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	78-59-1	Isophorone	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	106-47-8	4-Chloroaniline	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	105-60-2	Caprolactam	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	77-47-4	Hexachlorocyclo-pentadiene	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	99-09-2	3-Nitroaniline	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	51-28-5	2,4-Dinitrophenol	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	100-02-7	4-Nitrophenol	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	86-73-7	Fluorene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	100-01-6	4-Nitroaniline	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	534-52-1	4,6-Dinitro-2-methylphenol	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	1912-24-9	Atrazine	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	87-86-5	Pentachlorophenol	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM

49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	120-12-7	Anthracene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	86-74-8	Carbazole	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	129-00-0	Pyrene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	91-94-1	3,3'-Dichlorobenzidine	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	218-01-9	Chrysene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	117-84-0	Di-n-octylphthalate	360	U	ug/kg	360	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/27/2021	17:05:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	123-91-1	1,4-Dioxane	73	U	ug/kg	73	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	100-52-7	Benzaldehyde	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	108-95-2	Phenol	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	111-44-4	Bis(2-Chloroethyl) ether	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	95-57-8	2-Chlorophenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	95-48-7	2-Methylphenol	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	108-60-1	2,2'-Oxybis(1-chloropropane)	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	98-86-2	Acetophenone	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	106-44-5	3-Methylphenol + 4-Methylphenol	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	621-64-7	N-Nitroso-di-n propylamine	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	67-72-1	Hexachloroethane	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	98-95-3	Nitrobenzene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	78-59-1	Isophorone	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	88-75-5	2-Nitrophenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	105-67-9	2,4-Dimethylphenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	111-91-1	bis(2-Chloroethoxy)methane	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	120-83-2	2,4-Dichlorophenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	91-20-3	Naphthalene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	106-47-8	4-Chloroaniline	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	87-68-3	Hexachlorobutadiene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	105-60-2	Caprolactam	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	59-50-7	4-Chloro-3-methylphenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	90-12-0	1-Methylnaphthalene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	91-57-6	2-Methylnaphthalene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	77-47-4	Hexachlorocyclo-pentadiene	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	88-06-2	2,4,6-Trichlorophenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	95-95-4	2,4,5-Trichlorophenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	92-52-4	1,1'-Biphenyl	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	91-58-7	2-Chloronaphthalene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	88-74-4	2-Nitroaniline	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	131-11-3	Dimethylphthalate	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	606-20-2	2,6-Dinitrotoluene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	208-96-8	Acenaphthylene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	99-09-2	3-Nitroaniline	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	83-32-9	Acenaphthene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM

49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	51-28-5	2,4-Dinitrophenol	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	100-02-7	4-Nitrophenol	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	132-64-9	Dibenzofuran	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	121-14-2	2,4-Dinitrotoluene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	84-66-2	Diethylphthalate	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	86-73-7	Fluorene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	7005-72-3	4-Chlorophenyl-phenyl ether	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	100-01-6	4-Nitroaniline	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	534-52-1	4,6-Dinitro-2-methylphenol	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	86-30-6	N-Nitrosodiphenylamine	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	101-55-3	4-Bromophenyl-phenylether	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	118-74-1	Hexachlorobenzene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	1912-24-9	Atrazine	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	87-86-5	Pentachlorophenol	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	85-01-8	Phenanthrene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	120-12-7	Anthracene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	86-74-8	Carbazole	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	84-74-2	Di-n-butylphthalate	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	206-44-0	Fluoranthene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	129-00-0	Pyrene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	85-68-7	Butylbenzylphthalate	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	91-94-1	3,3'-Dichlorobenzidine	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	56-55-3	Benzo(a)anthracene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	218-01-9	Chrysene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	117-81-7	bis(2-Ethylhexyl)phthalate	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	117-84-0	Di-n-octylphthalate	360	U	ug/kg	360	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	205-99-2	Benzo(b)fluoranthene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	207-08-9	Benzo(k)fluoranthene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	50-32-8	Benzo(a)pyrene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	193-39-5	Indeno(1,2,3-cd)pyrene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	53-70-3	Dibenzo(a,h)anthracene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	191-24-2	Benzo(g,h,i)perylene	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/27/2021	17:34:00	58-90-2	2,3,4,6-Tetrachlorophenol	180	U	ug/kg	180	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	123-91-1	1,4-Dioxane	74	U	ug/kg	74	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	100-52-7	Benzaldehyde	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	108-95-2	Phenol	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	111-44-4	Bis(2-Chloroethyl) ether	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	95-48-7	2-Methylphenol	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	108-60-1	2,2'-Oxybis(1-chloropropane)	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	98-86-2	Acetophenone	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	106-44-5	3-Methylphenol + 4-Methylphenol	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	78-59-1	Isophorone	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	106-47-8	4-Chloroaniline	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM

49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	105-60-2	Caprolactam	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	77-47-4	Hexachlorocyclo-pentadiene	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	99-09-2	3-Nitroaniline	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	51-28-5	2,4-Dinitrophenol	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	100-02-7	4-Nitrophenol	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	86-73-7	Fluorene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	100-01-6	4-Nitroaniline	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	534-52-1	4,6-Dinitro-2-methylphenol	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	1912-24-9	Atrazine	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	87-86-5	Pentachlorophenol	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	120-12-7	Anthracene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	86-74-8	Carbazole	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	129-00-0	Pyrene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	91-94-1	3,3'-Dichlorobenzidine	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	218-01-9	Chrysene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	117-84-0	Di-n-octylphthalate	370	U	ug/kg	370	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/27/2021	18:04:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	123-91-1	1,4-Dioxane	80	U	ug/kg	80	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	100-52-7	Benzaldehyde	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	108-95-2	Phenol	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	111-44-4	Bis(2-Chloroethyl) ether	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	95-57-8	2-Chlorophenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM

49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	95-48-7	2-Methylphenol	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	108-60-1	2,2'-Oxybis(1-chloropropane)	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	98-86-2	Acetophenone	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	106-44-5	3-Methylphenol + 4-Methylphenol	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	621-64-7	N-Nitroso-di-n propylamine	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	67-72-1	Hexachloroethane	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	98-95-3	Nitrobenzene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	78-59-1	Isophorone	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	88-75-5	2-Nitrophenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	105-67-9	2,4-Dimethylphenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	111-91-1	bis(2-Chloroethoxy)methane	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	120-83-2	2,4-Dichlorophenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	91-20-3	Naphthalene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	106-47-8	4-Chloroaniline	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	87-68-3	Hexachlorobutadiene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	105-60-2	Caprolactam	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	90-12-0	1-Methylnaphthalene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	91-57-6	2-Methylnaphthalene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	77-47-4	Hexachlorocyclo-pentadiene	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	88-06-2	2,4,6-Trichlorophenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	92-52-4	1,1'-Biphenyl	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	91-58-7	2-Chloronaphthalene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	88-74-4	2-Nitroaniline	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	131-11-3	Dimethylphthalate	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	606-20-2	2,6-Dinitrotoluene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	208-96-8	Acenaphthylene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	99-09-2	3-Nitroaniline	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	83-32-9	Acenaphthene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	51-28-5	2,4-Dinitrophenol	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	100-02-7	4-Nitrophenol	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	132-64-9	Dibenzofuran	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	121-14-2	2,4-Dinitrotoluene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	84-66-2	Diethylphthalate	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	86-73-7	Fluorene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	7005-72-3	4-Chlorophenyl-phenyl ether	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	100-01-6	4-Nitroaniline	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	534-52-1	4,6-Dinitro-2-methylphenol	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	86-30-6	N-Nitrosodiphenylamine	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	101-55-3	4-Bromophenyl-phenylether	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	118-74-1	Hexachlorobenzene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	1912-24-9	Atrazine	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	87-86-5	Pentachlorophenol	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	85-01-8	Phenanthrene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	120-12-7	Anthracene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	86-74-8	Carbazole	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	84-74-2	Di-n-butylphthalate	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	206-44-0	Fluoranthene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	129-00-0	Pyrene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	85-68-7	Butylbenzylphthalate	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	91-94-1	3,3'-Dichlorobenzidine	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	56-55-3	Benzo(a)anthracene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM

49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	218-01-9	Chrysene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	117-81-7	bis(2-Ethylhexyl)phthalate	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	117-84-0	Di-n-octylphthalate	400	U	ug/kg	400	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	205-99-2	Benzo(b)fluoranthene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	207-08-9	Benzo(k)fluoranthene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	50-32-8	Benzo(a)pyrene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	193-39-5	Indeno(1,2,3-cd)pyrene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	53-70-3	Dibenzo(a,h)anthracene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	191-24-2	Benzo(g,h,i)perylene	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/27/2021	18:33:00	58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg	200	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	123-91-1	1,4-Dioxane	80	U	ug/kg	80	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	100-52-7	Benzaldehyde	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	108-95-2	Phenol	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	111-44-4	Bis(2-Chloroethyl) ether	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	95-57-8	2-Chlorophenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	95-48-7	2-Methylphenol	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	108-60-1	2,2'-Oxybis(1-chloropropane)	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	98-86-2	Acetophenone	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	106-44-5	3-Methylphenol + 4-Methylphenol	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	621-64-7	N-Nitroso-di-n propylamine	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	67-72-1	Hexachloroethane	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	98-95-3	Nitrobenzene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	78-59-1	Isophorone	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	88-75-5	2-Nitrophenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	105-67-9	2,4-Dimethylphenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	111-91-1	bis(2-Chloroethoxy)methane	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	120-83-2	2,4-Dichlorophenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	91-20-3	Naphthalene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	106-47-8	4-Chloroaniline	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	87-68-3	Hexachlorobutadiene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	105-60-2	Caprolactam	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	90-12-0	1-Methylnaphthalene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	91-57-6	2-Methylnaphthalene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	77-47-4	Hexachlorocyclo-pentadiene	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	88-06-2	2,4,6-Trichlorophenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	92-52-4	1,1'-Biphenyl	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	91-58-7	2-Chloronaphthalene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	88-74-4	2-Nitroaniline	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	131-11-3	Dimethylphthalate	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	606-20-2	2,6-Dinitrotoluene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	208-96-8	Acenaphthylene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	99-09-2	3-Nitroaniline	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	83-32-9	Acenaphthene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	51-28-5	2,4-Dinitrophenol	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	100-02-7	4-Nitrophenol	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	132-64-9	Dibenzofuran	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	121-14-2	2,4-Dinitrotoluene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	84-66-2	Diethylphthalate	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	86-73-7	Fluorene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	7005-72-3	4-Chlorophenyl-phenyl ether	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	100-01-6	4-Nitroaniline	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	534-52-1	4,6-Dinitro-2-methylphenol	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM

49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	86-30-6	N-Nitrosodiphenylamine	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	101-55-3	4-Bromophenyl-phenylether	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	118-74-1	Hexachlorobenzene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	1912-24-9	Atrazine	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	87-86-5	Pentachlorophenol	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	85-01-8	Phenanthrene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	120-12-7	Anthracene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	86-74-8	Carbazole	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	84-74-2	Di-n-butylphthalate	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	206-44-0	Fluoranthene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	129-00-0	Pyrene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	85-68-7	Butylbenzylphthalate	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	91-94-1	3,3'-Dichlorobenzidine	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	56-55-3	Benzo(a)anthracene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	218-01-9	Chrysene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	117-81-7	bis(2-Ethylhexyl)phthalate	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	117-84-0	Di-n-octylphthalate	400	U	ug/kg	400	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	205-99-2	Benzo(b)fluoranthene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	207-08-9	Benzo(k)fluoranthene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	50-32-8	Benzo(a)pyrene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	193-39-5	Indeno(1,2,3-cd)pyrene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	53-70-3	Dibenzo(a,h)anthracene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	191-24-2	Benzo(g,h,i)perylene	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/27/2021	19:02:00	58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg	200	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	123-91-1	1,4-Dioxane	74	U	ug/kg	74	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	100-52-7	Benzaldehyde	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	108-95-2	Phenol	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	111-44-4	Bis(2-Chloroethyl) ether	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	95-48-7	2-Methylphenol	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	108-60-1	2,2'-Oxybis(1-chloropropane)	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	98-86-2	Acetophenone	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	106-44-5	3-Methylphenol + 4-Methylphenol	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	78-59-1	Isophorone	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	106-47-8	4-Chloroaniline	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	105-60-2	Caprolactam	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	77-47-4	Hexachlorocyclo-pentadiene	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM

49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	99-09-2	3-Nitroaniline	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	51-28-5	2,4-Dinitrophenol	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	100-02-7	4-Nitrophenol	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	86-73-7	Fluorene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	100-01-6	4-Nitroaniline	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	534-52-1	4,6-Dinitro-2-methylphenol	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	1912-24-9	Atrazine	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	87-86-5	Pentachlorophenol	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	120-12-7	Anthracene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	86-74-8	Carbazole	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	129-00-0	Pyrene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	91-94-1	3,3'-Dichlorobenzidine	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	218-01-9	Chrysene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	117-84-0	Di-n-octylphthalate	360	U	ug/kg	360	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/27/2021	19:31:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	123-91-1	1,4-Dioxane	83	U	ug/kg	83	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	100-52-7	Benzaldehyde	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	108-95-2	Phenol	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	111-44-4	Bis(2-Chloroethyl) ether	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	95-57-8	2-Chlorophenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	95-48-7	2-Methylphenol	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	108-60-1	2,2'-Oxybis(1-chloropropane)	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	98-86-2	Acetophenone	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	106-44-5	3-Methylphenol + 4-Methylphenol	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	621-64-7	N-Nitroso-di-n propylamine	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	67-72-1	Hexachloroethane	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	98-95-3	Nitrobenzene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	78-59-1	Isophorone	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	88-75-5	2-Nitrophenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM

49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	105-67-9	2,4-Dimethylphenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	111-91-1	bis(2-Chloroethoxy)methane	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	120-83-2	2,4-Dichlorophenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	91-20-3	Naphthalene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	106-47-8	4-Chloroaniline	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	87-68-3	Hexachlorobutadiene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	105-60-2	Caprolactam	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	59-50-7	4-Chloro-3-methylphenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	90-12-0	1-Methylnaphthalene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	91-57-6	2-Methylnaphthalene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	77-47-4	Hexachlorocyclo-pentadiene	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	88-06-2	2,4,6-Trichlorophenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	95-95-4	2,4,5-Trichlorophenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	92-52-4	1,1'-Biphenyl	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	91-58-7	2-Chloronaphthalene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	88-74-4	2-Nitroaniline	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	131-11-3	Dimethylphthalate	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	606-20-2	2,6-Dinitrotoluene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	208-96-8	Acenaphthylene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	99-09-2	3-Nitroaniline	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	83-32-9	Acenaphthene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	51-28-5	2,4-Dinitrophenol	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	100-02-7	4-Nitrophenol	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	132-64-9	Dibenzofuran	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	121-14-2	2,4-Dinitrotoluene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	84-66-2	Diethylphthalate	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	86-73-7	Fluorene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	7005-72-3	4-Chlorophenyl-phenyl ether	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	100-01-6	4-Nitroaniline	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	534-52-1	4,6-Dinitro-2-methylphenol	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	86-30-6	N-Nitrosodiphenylamine	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	101-55-3	4-Bromophenyl-phenylether	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	118-74-1	Hexachlorobenzene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	1912-24-9	Atrazine	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	87-86-5	Pentachlorophenol	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	85-01-8	Phenanthrene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	120-12-7	Anthracene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	86-74-8	Carbazole	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	84-74-2	Di-n-butylphthalate	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	206-44-0	Fluoranthene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	129-00-0	Pyrene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	85-68-7	Butylbenzylphthalate	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	91-94-1	3,3'-Dichlorobenzidine	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	56-55-3	Benzo(a)anthracene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	218-01-9	Chrysene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	117-81-7	bis(2-Ethylhexyl)phthalate	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	117-84-0	Di-n-octylphthalate	410	U	ug/kg	410	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	205-99-2	Benzo(b)fluoranthene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	207-08-9	Benzo(k)fluoranthene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	50-32-8	Benzo(a)pyrene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	193-39-5	Indeno(1,2,3-cd)pyrene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	53-70-3	Dibenzo(a,h)anthracene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	191-24-2	Benzo(g,h,i)perylene	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM

49708	F4C01	F4C31	WJ22014-016	S	10/27/2021	20:00:00	58-90-2	2,3,4,6-Tetrachlorophenol	210	U	ug/kg	210	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	123-91-1	1,4-Dioxane	77	U	ug/kg	77	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	100-52-7	Benzaldehyde	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	108-95-2	Phenol	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	111-44-4	Bis(2-Chloroethyl) ether	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	95-57-8	2-Chlorophenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	95-48-7	2-Methylphenol	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	108-60-1	2,2'-Oxybis(1-chloropropane)	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	98-86-2	Acetophenone	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	106-44-5	3-Methylphenol + 4-Methylphenol	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	621-64-7	N-Nitroso-di-n propylamine	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	67-72-1	Hexachloroethane	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	98-95-3	Nitrobenzene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	78-59-1	Isophorone	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	88-75-5	2-Nitrophenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	105-67-9	2,4-Dimethylphenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	111-91-1	bis(2-Chloroethoxy)methane	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	120-83-2	2,4-Dichlorophenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	91-20-3	Naphthalene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	106-47-8	4-Chloroaniline	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	87-68-3	Hexachlorobutadiene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	105-60-2	Caprolactam	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	90-12-0	1-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	91-57-6	2-Methylnaphthalene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	77-47-4	Hexachlorocyclo-pentadiene	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	92-52-4	1,1'-Biphenyl	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	91-58-7	2-Chloronaphthalene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	88-74-4	2-Nitroaniline	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	131-11-3	Dimethylphthalate	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	606-20-2	2,6-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	208-96-8	Acenaphthylene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	99-09-2	3-Nitroaniline	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	83-32-9	Acenaphthene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	51-28-5	2,4-Dinitrophenol	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	100-02-7	4-Nitrophenol	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	132-64-9	Dibenzofuran	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	121-14-2	2,4-Dinitrotoluene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	84-66-2	Diethylphthalate	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	86-73-7	Fluorene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	7005-72-3	4-Chlorophenyl-phenyl ether	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	100-01-6	4-Nitroaniline	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	534-52-1	4,6-Dinitro-2-methylphenol	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	86-30-6	N-Nitrosodiphenylamine	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	101-55-3	4-Bromophenyl-phenylether	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	118-74-1	Hexachlorobenzene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	1912-24-9	Atrazine	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	87-86-5	Pentachlorophenol	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	85-01-8	Phenanthrene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	120-12-7	Anthracene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	86-74-8	Carbazole	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM

49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	84-74-2	Di-n-butylphthalate	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	206-44-0	Fluoranthene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	129-00-0	Pyrene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	85-68-7	Butylbenzylphthalate	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	91-94-1	3,3'-Dichlorobenzidine	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	56-55-3	Benzo(a)anthracene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	218-01-9	Chrysene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	117-81-7	bis(2-Ethylhexyl)phthalate	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	117-84-0	Di-n-octylphthalate	380	U	ug/kg	380	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	205-99-2	Benzo(b)fluoranthene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	207-08-9	Benzo(k)fluoranthene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	50-32-8	Benzo(a)pyrene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	193-39-5	Indeno(1,2,3-cd)pyrene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	191-24-2	Benzo(g,h,i)perylene	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/27/2021	16:36:00	58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg	190	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	12674-11-2	Aroclor-1016	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	11104-28-2	Aroclor-1221	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	11141-16-5	Aroclor-1232	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	53469-21-9	Aroclor-1242	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	12672-29-6	Aroclor-1248	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	11097-69-1	Aroclor-1254	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	11096-82-5	Aroclor-1260	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	37324-23-5	Aroclor-1262	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C00	WJ22014-017	S	10/29/2021	04:37:00	11100-14-4	Aroclor-1268	38	U	ug/kg	38	10/20/2021	SSBK-01	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	12674-11-2	Aroclor-1016	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	11104-28-2	Aroclor-1221	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	11141-16-5	Aroclor-1232	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	53469-21-9	Aroclor-1242	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	12672-29-6	Aroclor-1248	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	11097-69-1	Aroclor-1254	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	11096-82-5	Aroclor-1260	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	37324-23-5	Aroclor-1262	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C01	WJ22014-001	S	10/29/2021	01:07:00	11100-14-4	Aroclor-1268	39	U	ug/kg	39	10/20/2021	SSBK-02	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	12674-11-2	Aroclor-1016	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	11104-28-2	Aroclor-1221	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	11141-16-5	Aroclor-1232	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	53469-21-9	Aroclor-1242	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	12672-29-6	Aroclor-1248	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	11097-69-1	Aroclor-1254	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	11096-82-5	Aroclor-1260	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	37324-23-5	Aroclor-1262	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C02	WJ22014-002	S	10/29/2021	01:21:00	11100-14-4	Aroclor-1268	36	U	ug/kg	36	10/20/2021	SBSBK-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	12674-11-2	Aroclor-1016	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	11104-28-2	Aroclor-1221	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	11141-16-5	Aroclor-1232	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	53469-21-9	Aroclor-1242	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	12672-29-6	Aroclor-1248	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	11097-69-1	Aroclor-1254	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	11096-82-5	Aroclor-1260	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	37324-23-5	Aroclor-1262	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C04	WJ22014-003	S	10/29/2021	01:35:00	11100-14-4	Aroclor-1268	38	U	ug/kg	38	10/19/2021	SS-01	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	12674-11-2	Aroclor-1016	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	11104-28-2	Aroclor-1221	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM

49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	11141-16-5	Aroclor-1232	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	53469-21-9	Aroclor-1242	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	12672-29-6	Aroclor-1248	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	11097-69-1	Aroclor-1254	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	11096-82-5	Aroclor-1260	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	37324-23-5	Aroclor-1262	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C05	WJ22014-004	S	10/29/2021	01:49:00	11100-14-4	Aroclor-1268	38	U	ug/kg	38	10/19/2021	SS-02	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	12674-11-2	Aroclor-1016	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	11104-28-2	Aroclor-1221	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	11141-16-5	Aroclor-1232	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	53469-21-9	Aroclor-1242	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	12672-29-6	Aroclor-1248	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	11097-69-1	Aroclor-1254	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	11096-82-5	Aroclor-1260	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	37324-23-5	Aroclor-1262	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C06	WJ22014-005	S	10/29/2021	02:03:00	11100-14-4	Aroclor-1268	48	U	ug/kg	48	10/19/2021	SS-03	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	12674-11-2	Aroclor-1016	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	11104-28-2	Aroclor-1221	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	11141-16-5	Aroclor-1232	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	53469-21-9	Aroclor-1242	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	12672-29-6	Aroclor-1248	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	11097-69-1	Aroclor-1254	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	11096-82-5	Aroclor-1260	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	37324-23-5	Aroclor-1262	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C07	WJ22014-006	S	10/29/2021	02:17:00	11100-14-4	Aroclor-1268	44	U	ug/kg	44	10/19/2021	SS-04	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	12674-11-2	Aroclor-1016	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	11104-28-2	Aroclor-1221	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	11141-16-5	Aroclor-1232	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	53469-21-9	Aroclor-1242	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	12672-29-6	Aroclor-1248	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	11097-69-1	Aroclor-1254	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	11096-82-5	Aroclor-1260	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	37324-23-5	Aroclor-1262	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C08	WJ22014-018	S	10/29/2021	04:51:00	11100-14-4	Aroclor-1268	42	U	ug/kg	42	10/19/2021	SS-05	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	12674-11-2	Aroclor-1016	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	11104-28-2	Aroclor-1221	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	11141-16-5	Aroclor-1232	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	53469-21-9	Aroclor-1242	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	12672-29-6	Aroclor-1248	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	11097-69-1	Aroclor-1254	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	11096-82-5	Aroclor-1260	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	37324-23-5	Aroclor-1262	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C16	WJ22014-019	S	10/29/2021	05:33:00	11100-14-4	Aroclor-1268	37	U	ug/kg	37	10/20/2021	SS-13	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	12674-11-2	Aroclor-1016	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	11104-28-2	Aroclor-1221	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	11141-16-5	Aroclor-1232	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	53469-21-9	Aroclor-1242	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	12672-29-6	Aroclor-1248	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	11097-69-1	Aroclor-1254	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	11096-82-5	Aroclor-1260	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	37324-23-5	Aroclor-1262	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C17	WJ22014-020	S	10/29/2021	05:47:00	11100-14-4	Aroclor-1268	36	U	ug/kg	36	10/20/2021	SS-14	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	12674-11-2	Aroclor-1016	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	11104-28-2	Aroclor-1221	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM

49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	11141-16-5	Aroclor-1232	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	53469-21-9	Aroclor-1242	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	12672-29-6	Aroclor-1248	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	11097-69-1	Aroclor-1254	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	11096-82-5	Aroclor-1260	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	37324-23-5	Aroclor-1262	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C18	WJ22014-021	S	10/29/2021	06:01:00	11100-14-4	Aroclor-1268	38	U	ug/kg	38	10/20/2021	SS-15	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	12674-11-2	Aroclor-1016	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	11104-28-2	Aroclor-1221	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	11141-16-5	Aroclor-1232	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	53469-21-9	Aroclor-1242	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	12672-29-6	Aroclor-1248	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	11097-69-1	Aroclor-1254	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	11096-82-5	Aroclor-1260	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	37324-23-5	Aroclor-1262	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C25	WJ22014-010	S	10/29/2021	02:59:00	11100-14-4	Aroclor-1268	36	U	ug/kg	36	10/20/2021	SS-22	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	12674-11-2	Aroclor-1016	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	11104-28-2	Aroclor-1221	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	11141-16-5	Aroclor-1232	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	53469-21-9	Aroclor-1242	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	12672-29-6	Aroclor-1248	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	11097-69-1	Aroclor-1254	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	11096-82-5	Aroclor-1260	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	37324-23-5	Aroclor-1262	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C26	WJ22014-011	S	10/29/2021	03:13:00	11100-14-4	Aroclor-1268	36	U	ug/kg	36	10/20/2021	SS-23	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	12674-11-2	Aroclor-1016	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	11104-28-2	Aroclor-1221	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	11141-16-5	Aroclor-1232	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	53469-21-9	Aroclor-1242	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	12672-29-6	Aroclor-1248	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	11097-69-1	Aroclor-1254	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	11096-82-5	Aroclor-1260	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	37324-23-5	Aroclor-1262	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C27	WJ22014-012	S	10/29/2021	03:27:00	11100-14-4	Aroclor-1268	37	U	ug/kg	37	10/19/2021	SBS-01	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	12674-11-2	Aroclor-1016	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	11104-28-2	Aroclor-1221	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	11141-16-5	Aroclor-1232	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	53469-21-9	Aroclor-1242	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	12672-29-6	Aroclor-1248	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	11097-69-1	Aroclor-1254	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	11096-82-5	Aroclor-1260	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	37324-23-5	Aroclor-1262	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C28	WJ22014-013	S	10/29/2021	03:41:00	11100-14-4	Aroclor-1268	40	U	ug/kg	40	10/19/2021	SBS-02	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	12674-11-2	Aroclor-1016	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	11104-28-2	Aroclor-1221	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	11141-16-5	Aroclor-1232	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	53469-21-9	Aroclor-1242	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	12672-29-6	Aroclor-1248	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	11097-69-1	Aroclor-1254	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	11096-82-5	Aroclor-1260	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	37324-23-5	Aroclor-1262	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C29	WJ22014-014	S	10/29/2021	03:55:00	11100-14-4	Aroclor-1268	39	U	ug/kg	39	10/19/2021	SBS-03	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	12674-11-2	Aroclor-1016	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	11104-28-2	Aroclor-1221	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM

49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	11141-16-5	Aroclor-1232	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	53469-21-9	Aroclor-1242	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	12672-29-6	Aroclor-1248	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	11097-69-1	Aroclor-1254	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	11096-82-5	Aroclor-1260	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	37324-23-5	Aroclor-1262	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C30	WJ22014-015	S	10/29/2021	04:09:00	11100-14-4	Aroclor-1268	36	U	ug/kg	36	10/20/2021	SBS-04	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	12674-11-2	Aroclor-1016	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	11104-28-2	Aroclor-1221	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	11141-16-5	Aroclor-1232	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	53469-21-9	Aroclor-1242	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	12672-29-6	Aroclor-1248	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	11097-69-1	Aroclor-1254	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	11096-82-5	Aroclor-1260	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	37324-23-5	Aroclor-1262	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C31	WJ22014-016	S	10/29/2021	04:23:00	11100-14-4	Aroclor-1268	41	U	ug/kg	41	10/20/2021	SBS-05	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	12674-11-2	Aroclor-1016	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	11104-28-2	Aroclor-1221	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	11141-16-5	Aroclor-1232	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	53469-21-9	Aroclor-1242	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	12672-29-6	Aroclor-1248	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	11097-69-1	Aroclor-1254	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	11096-82-5	Aroclor-1260	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	37324-23-5	Aroclor-1262	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM
49708	F4C01	F4C32	WJ22014-008	S	10/29/2021	02:45:00	11100-14-4	Aroclor-1268	38	U	ug/kg	38	10/20/2021	SBS-06	S4VEM

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 49708 SDG No. F4C01 SDG Nos. To Follow Mod. Ref No. Date Rec 11/10/21

EPA Lab ID: PAS

Lab Location: West Columbia, SC

Region: 6 Audit No.: 49708/F4C01

Re_Submitted CSF? Yes No X

Box No(s): 1

COMMENTS:

Item Description

14./15. The sampler did not use sample tags for this case.

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?	X		
8. Accurate?	X		
TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
AIRBILLS/AIRBILL STICKER			
11. Present?	X		
12. Signed?	X		
13. Dated?	X		
SAMPLE TAGS			
14. Does DC-1 list tags as being included?			X
15. Present?			X
OTHER DOCUMENTS			
16. Complete?	X		
17. Legible?	X		
18. Original?		X	
18a. If "NO", does the copy indicate where original documents are located?	X		

Audited by: Ying-Ping Hsieh Ying-Ping Hsieh / ESAT Data Reviewer Date 11/22/2021

Audited by: Date

Signature Printed Name/Title

DC-2__

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 74935469920

CHAIN OF CUSTODY RECORD

Contract # 68HERH20D0015

Case #: 49708
Cooler #: 4

F4C01
F4C01 #3 KSC 10/21/21

No: 6-100721-093747-0004
Lab: Pace Analytical Services, LLC
Lab Contact: Robert Zhu
Lab Phone: 803-269-3672

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SSBK-02	F4C01	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1003 (4 C), 1004 (4 C) (2)	SSBK-02	10/20/2021 12:45	
SBSBK-01	F4C02	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1006 (4 C), 1007 (4 C) (2)	SBSBK-01	10/20/2021 12:21	
SDBK-01	F4C03	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1009 (4 C), 1010 (4 C) (2)	SDBK-01	10/20/2021 12:00	
SS-01	F4C04	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1012 (4 C), 1013 (4 C) (2)	SS-01	10/19/2021 15:13	
SS-02	F4C05	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1015 (4 C), 1016 (4 C) (2)	SS-02	10/19/2021 14:30	
SS-03	F4C06	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1018 (4 C), 1019 (4 C) (2)	SS-03	10/19/2021 14:24	
SS-04	F4C07	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1021 (4 C), 1022 (4 C) (2)	SS-04	10/19/2021 13:15	
SS-05	F4C08	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1024 (4 C), 1025 (4 C) (2)	SS-05	10/19/2021 13:22	

Special Instructions: SVOA and ARO analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ARO=CLP Aroclors, SVOA=CLP Semivolatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples	Griffiths, DEQ	10/20/21, 18:00			
			[signature] PAS	10/21/21 0910 T=5.1°C	OK

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935471060

CHAIN OF CUSTODY RECORD

Contract # 68HERH20D0015

Case #: 49708
Cooler #: 8

F4 C01
F4 C03

No: 6-100721-093754-0008
Lab: Pace Analytical Services, LLC
Lab Contact: Robert Zhu
Lab Phone: 803-269-3672

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SBS-06	F4C32	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1108 (4 C), 1109 (4 C) (2)	SBS-06	10/20/2021 10:55	
SD-01	F4C33	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1111 (4 C), 1112 (4 C) (2)	SD-01	10/19/2021 15:00	
SD-02	F4C34	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1114 (4 C), 1115 (4 C) (2)	SD-02	10/19/2021 15:06	
SD-03	F4C35	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1117 (4 C), 1118 (4 C) (2)	SD-03	10/19/2021 13:50	
SD-04	F4C36	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1120 (4 C), 1121 (4 C) (2)	SD-04	10/19/2021 13:07	
SD-05	F4C37	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1123 (4 C), 1124 (4 C) (2)	SD-05	10/19/2021 13:00	
SD-06	F4C38	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1126 (4 C), 1127 (4 C) (2)	SD-06	10/19/2021 12:45	

Special Instructions: SVOA and ARO analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ARO=CLP Aroclors, SVOA=CLP Semivolatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
samples	agaya, DEQ	10/20/21, 18:00			
			[signature] PAS	10/21/21 0910 T=5.9°C	OK

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935470604

CHAIN OF CUSTODY RECORD

Contract # 68HERH20D0015

Case #: 49708
Cooler #: 7

F4C24
F4C01

No: 6-100721-093753-0007
Lab: Pace Analytical Services, LLC
Lab Contact: Robert Zhu
Lab Phone: 803-269-3672

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SS-21	F4C24	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1078 (4 C), 1079 (4 C) (2)	SS-21	10/20/2021 10:17	
SS-22	F4C25	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1084 (4 C), 1085 (4 C) (2)	SS-22	10/20/2021 10:40	
SS-23	F4C26	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1090 (4 C), 1091 (4 C) (2)	SS-23	10/20/2021 10:46	
SBS-01	F4C27	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1093 (4 C), 1094 (4 C) (2)	SBS-01	10/19/2021 14:36	
SBS-02	F4C28	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1096 (4 C), 1097 (4 C) (2)	SBS-02	10/19/2021 14:12	
SBS-03	F4C29	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1099 (4 C), 1100 (4 C) (2)	SBS-03	10/19/2021 14:19	
SBS-04	F4C30	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1102 (4 C), 1103 (4 C) (2)	SBS-04	10/20/2021 11:46	
SBS-05	F4C31	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1105 (4 C), 1106 (4 C) (2)	SBS-05	10/20/2021 09:31	

Special Instructions: SVOA and ARO analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ARO=CLP Aroclors, SVOA=CLP Semivolatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
samples	agayle, DEQ	10/20/21, 18:00			
	COPY Original Documents included in CSF 49708 / F4C24 Signed: CLS Date: 10-29-21			10/21/21 0910	OK

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935471357

CHAIN OF CUSTODY RECORD

Contract # 68HERH20D0015

Case #: 49708
Cooler #: 9

F4C03 F4C01 F4C02 F4C24 KSL 10/22/21

No: 6-100721-093756-0009
Lab: Pace Analytical Services, LLC
Lab Contact: Robert Zhu
Lab Phone: 803-269-3672

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SSBK-01	F4C00	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1000 (4 C), 1001 (4 C) (2)	SSBK-01	10/20/2021 12:13	
SS-05	F4C08	Soil/ Anna Griffiths, DEQ	Grab	ARO(21)	1027 (4 C), 1028 (4 C) (2)	SS-05	10/19/2021 13:22	✱
SS-21	F4C24	Soil/ Anna Griffiths, DEQ	Grab	ARO(21)	1081 (4 C), 1082 (4 C) (2)	SS-21	10/20/2021 10:17	
SD-07	F4C39	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1129 (4 C), 1130 (4 C), 1132 (4 C), 1133 (4 C) (4)	SD-07	10/20/2021 09:15	recalc xtra 902
SD-08	F4C40	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1135 (4 C), 1136 (4 C) (2)	SD-08	10/20/2021 09:38	
SD-09	F4C41	Sediment/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1141 (4 C), 1142 (4 C) (2)	SD-09	10/20/2021 09:00	

Sample(s) to be used for Lab QC: SS-05 Tag 1027, SS-05 Tag 1028, SS-21 Tag 1081, SS-21 Tag 1082, SD-07 Tag 1132, SD-07 Tag 1133 - Special Instructions: Sample(s) to be used for Lab QC: SS-05 Tags 1027, 1028, SS-21 Tags 1081, 1082, SD-07 Tags 1132, 1133SVOA and ARO analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ARO=CLP Aroclors, SVOA=CLP Semivolatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
samples	aojaya, DEQ	10/20/21, 18:00			
	COPY Original Documents included in CSF 49708 F4C03				
	Signed: 10-29-21 Date:		C/PAS	10/21/21 0910	KSL 10/22/21 OK seeabove

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935470497

CHAIN OF CUSTODY RECORD

Contract # 68HERH20D0015 Case #: 49708
Cooler #: 6

F4C01
F4C24

No: 6-100721-093751-0006
Lab: Pace Analytical Services, LLC
Lab Contact: Robert Zhu
Lab Phone: 803-269-3672

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SS-13	F4C16	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1054 (4 C), 1055 (4 C) (2)	SS-13	10/20/2021 11:00	
SS-14	F4C17	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1057 (4 C), 1058 (4 C) (2)	SS-14	10/20/2021 10:30	
SS-15	F4C18	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1060 (4 C), 1061 (4 C) (2)	SS-15	10/20/2021 10:00	
SS-16	F4C19	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1063 (4 C), 1064 (4 C) (2)	SS-16	10/20/2021 11:25	
SS-17	F4C20	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1066 (4 C), 1067 (4 C) (2)	SS-17	10/20/2021 11:33	
SS-18	F4C21	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1069 (4 C), 1070 (4 C) (2)	SS-18	10/20/2021 11:13	
SS-19	F4C22	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1072 (4 C), 1073 (4 C) (2)	SS-19	10/20/2021 09:22	
SS-20	F4C23	Soil/ Anna Griffiths, DEQ	Grab	ARO(21), SVOA(21)	1075 (4 C), 1076 (4 C) (2)	SS-20	10/20/2021 10:11	

Special Instructions: SVOA and ARO analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ARO=CLP Aroclors, SVOA=CLP Semivolatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
samples	a griffith, DEQ	10/20/21, 18:00			
			Kay C. / PAS	10/21/21 0910 T=4.7°C	OK

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

December 1, 2021

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

FROM: Raymond Flores, ESAT Regional Project Officer
Laboratory Services and Applied Science Division (6LASBE)

TO: Philip Ofosu, Superfund Project Manager (6SEDAS)

Site: **LEWIS LUMBER AND MANUFACTURING CO.**

Case#: **49708**

SDG#: **F4C50**

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Serco, Inc.

MEMORANDUM

DATE: November 30, 2021

TO: Raymond Flores, ESAT PO, Region 6 EPA

FROM: Sonya Meekins, Data Reviewer, ESAT SM

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ

SUBJECT: CLP Data Review

Contract No.:	68HE0121D0003
TO No.:	001
Task/Sub-Task:	2-6
ESAT Doc. No.:	0001-206-0038
TDF No.:	6-22-022A
ESAT File No.:	I-0806

Attached is the data review summary for Case # 49708
SDG # F4C50
Site Lewis Lumber and Manufacturing Co.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	49708	SITE	Lewis Lumber and Manufacturing Co.
LABORATORY	CHX	NO. OF SAMPLES	16
CONTRACT#	68HERH20D0012	MATRIX	Sediment
SDG#	F4C50	REVIEWER (IF NOT ESB)	ESAT
SOW#	SFAM01.1	REVIEWER'S NAME	Sonya Meekins
SF#	303DD2A6RV	COMPLETION DATE	November 30, 2021

SAMPLE NO.				
F4C50	F4C54	F4C58	F4C62	
F4C51	F4C55	F4C59	F4C63	
F4C52	F4C56	F4C60	F4C64	
F4C53	F4C57	F4C61	F4C91	

DATA ASSESSMENT SUMMARY

	ICP-AES	ICP-MS	HG
1. HOLDING TIMES	O	O	O
2. CALIBRATIONS	O	O	O
3. BLANKS	O	M	O
4. MATRIX SPIKES	O	O	O
5. DUPLICATE ANALYSIS	O	O	O
6. ICP QC	O	O	
7. LCS	O	O	
8. SAMPLE VERIFICATION	O	O	O
9. OTHER QC	N/A	N/A	N/A
10. OVERALL ASSESSMENT	O	M	O

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS:

AREAS OF CONCERN: ICP-MS: Laboratory blank readings caused the qualification of three copper results.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 49708 **SDG** F4C50 **SITE** Lewis Lumber and Manufacturing Co.
LAB CHX

COMMENTS: This SDG consisted of 16 sediment samples for total metals (by ICP-AES and ICP-MS) and mercury analyses following SOW SFAM01.1. The sampler chose sample F4C91 as the QC sample.

The SOW requires that the sediment sample results be adjusted for moisture content, which raised some adjusted QLs above the CRQLs specified in the SOW. The adjusted CRQLs were reported by the laboratory.

S4VEM was performed for this package as requested by the Region. Several target analytes were reported above the adjusted CRQLs in all samples.

OVERALL ASSESSMENT: Three copper results were qualified because of a problem with laboratory blank readings. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

INORGANIC ACRONYMS

CCB	Continuing Calibration Blank
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CN	Cyanide
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DST	Data Summary Table
EDM	EXES Data Manager
HG	Mercury
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma-Mass Spectrometry
ICS	Interference Check Sample
ICV	Initial Calibration Verification
IS	Internal Standard
LCS	Laboratory Control Sample
MDL	Method Detection Limit
NFG	National Functional Guidelines
PE	Performance Evaluation
%D	Percent Difference
%R	Percent Recovery
%RI	Percent Relative Intensity
%RSD	Percent Relative Standard Deviation
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RPD	Relative Percent Difference
RSCC	Regional Sample Control Center
S3VEM	Stage 3 Validation Electronic and Manual (previously called Modified CADRE Review)
S4VEM	Stage 4 Validation Electronic and Manual (previously called Standard Review)
SDG	Sample Delivery Group
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
TAL	Target Analyte List

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
QCCOD: Sample QC Code
SMPQUAL: Sample Qualifier
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
VALDQAL: Region 6 Inorganic Data Validation Qualifier (see Inorganic Data Qualifier Definitions on the next page)
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
SMPDATE: Sampling Date
PRPDATE: Sample Preparation Date
LRDATE: Laboratory Receipt Date
LEVEL: Sample Level
PERSOLD: Sample Percent Solids
SMPWTVL: Sample Weight (Soil Samples)/Initial Sample Volume (Water Samples)
FINLVOL: Final Sample Volume
METHOD: Method of Analysis
STATLOC: Station Location
DVLEV: Data Validation Level

Disclaimer: **ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, ADJCRQL, VALDQAL, and PERSOLD. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.**

INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

L Reported concentration is between the MDL and the CRQL.

J Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.

R Result is unusable.

F A possibility of a false negative exists.

UC Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.

+ High biased. Actual concentration may be lower than the concentration reported.

- Low biased. Actual concentration may be higher than the concentration reported.

W The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC	DVLEV
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-36-0	Antimony	1.0	U	mg/kg	1.0	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-38-2	Arsenic	1.1		mg/kg	0.51	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-39-3	Barium	39		mg/kg	5.1	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-41-7	Beryllium	0.33	LJ	mg/kg	0.51	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-43-9	Cadmium	0.083	LJ	mg/kg	0.51	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-47-3	Chromium	6.1		mg/kg	1.0	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-48-4	Cobalt	2.6		mg/kg	0.51	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-50-8	Copper	4.5	UC	mg/kg	1.0	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-02-0	Nickel	3.1		mg/kg	0.51	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7782-49-2	Selenium	2.5	U	mg/kg	2.5	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-28-0	Thallium	0.51	U	mg/kg	0.51	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-62-2	Vanadium	9.2		mg/kg	2.5	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	13:37:14	7440-66-6	Zinc	17		mg/kg	2.5	10/20/2021	11/16/2021	10/21/2021	93.6	1.05	500	MS	SSBK-02	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-36-0	Antimony	1.0	U	mg/kg	1.0	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-38-2	Arsenic	0.74		mg/kg	0.52	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-39-3	Barium	33		mg/kg	5.2	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-41-7	Beryllium	0.34	LJ	mg/kg	0.52	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-43-9	Cadmium	0.52	U	mg/kg	0.52	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-47-3	Chromium	4.8		mg/kg	1.0	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-48-4	Cobalt	1.5		mg/kg	0.52	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-50-8	Copper	1.6	UC	mg/kg	1.0	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-02-0	Nickel	4.6		mg/kg	0.52	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7782-49-2	Selenium	2.6	U	mg/kg	2.6	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-28-0	Thallium	0.52	U	mg/kg	0.52	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-62-2	Vanadium	4.8		mg/kg	2.6	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	13:39:36	7440-66-6	Zinc	4.4		mg/kg	2.6	10/20/2021	11/16/2021	10/21/2021	92.7	1.04	500	MS	SBSBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-36-0	Antimony	1.1	U	mg/kg	1.1	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-38-2	Arsenic	1.0		mg/kg	0.53	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-39-3	Barium	23		mg/kg	5.3	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-41-7	Beryllium	0.20	LJ	mg/kg	0.53	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-43-9	Cadmium	0.53	U	mg/kg	0.53	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-47-3	Chromium	3.6		mg/kg	1.1	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-48-4	Cobalt	2.7		mg/kg	0.53	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-50-8	Copper	3.4	UC	mg/kg	1.1	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-02-0	Nickel	2.9		mg/kg	0.53	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7782-49-2	Selenium	2.6	U	mg/kg	2.6	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-28-0	Thallium	0.53	U	mg/kg	0.53	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-62-2	Vanadium	3.7		mg/kg	2.6	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	13:41:59	7440-66-6	Zinc	17		mg/kg	2.6	10/20/2021	11/16/2021	10/21/2021	90.9	1.04	500	MS	SDBK-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-36-0	Antimony	1.0	U	mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-38-2	Arsenic	4.2		mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-39-3	Barium	37		mg/kg	5.2	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-41-7	Beryllium	0.21	LJ	mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-43-9	Cadmium	0.062	LJ	mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-47-3	Chromium	8.0		mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-48-4	Cobalt	2.4		mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-50-8	Copper	11		mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-02-0	Nickel	5.1		mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7782-49-2	Selenium	2.6	U	mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-28-0	Thallium	0.52	U	mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-62-2	Vanadium	5.9		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	13:44:18	7440-66-6	Zinc	23		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	93.8	1.02	500	MS	SS-01	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-36-0	Antimony	1.1	U	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-38-2	Arsenic	2.5		mg/kg	0.55	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-39-3	Barium	32		mg/kg	5.5	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-41-7	Beryllium	0.55		mg/kg	0.55	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-43-9	Cadmium	0.55	U	mg/kg	0.55	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-47-3	Chromium	9.3		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-48-4	Cobalt	4.2		mg/kg	0.55	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-50-8	Copper	11		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-02-0	Nickel	6.1		mg/kg	0.55	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-28-0	Thallium	0.55	U	mg/kg	0.55	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-62-2	Vanadium	11		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	13:46:40	7440-66-6	Zinc	33		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.8	1.01	500	MS	SS-02	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-36-0	Antimony	0.23	LJ	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM

49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-38-2	Arsenic	44		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-39-3	Barium	73		mg/kg	5.3	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-41-7	Beryllium	0.33	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-43-9	Cadmium	0.25	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-47-3	Chromium	18		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-48-4	Cobalt	15		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-50-8	Copper	22		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-02-0	Nickel	7.7		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7782-49-2	Selenium	2.6	U	mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-28-0	Thallium	0.53	U	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-62-2	Vanadium	11		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	13:49:02	7440-66-6	Zinc	40		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	92.5	1.02	500	MS	SS-03	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-36-0	Antimony	1.1	U	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-38-2	Arsenic	3.0		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-39-3	Barium	37		mg/kg	5.3	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-41-7	Beryllium	0.35	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-43-9	Cadmium	0.20	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-47-3	Chromium	7.5		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-48-4	Cobalt	3.7		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-50-8	Copper	10		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-02-0	Nickel	6.7		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-28-0	Thallium	0.53	U	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-62-2	Vanadium	7.3		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	13:51:23	7440-66-6	Zinc	44		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	91.1	1.03	500	MS	SS-04	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-36-0	Antimony	1.1	U	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-38-2	Arsenic	3.5		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-39-3	Barium	40		mg/kg	5.3	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-41-7	Beryllium	0.32	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-43-9	Cadmium	0.30	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-47-3	Chromium	7.9		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-48-4	Cobalt	4.2		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-50-8	Copper	12		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-02-0	Nickel	5.7		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7782-49-2	Selenium	2.6	U	mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-28-0	Thallium	0.53	U	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-62-2	Vanadium	7.3		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	13:53:45	7440-66-6	Zinc	63		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	92.4	1.03	500	MS	SS-05	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-36-0	Antimony	1.1	U	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-38-2	Arsenic	6.3		mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-39-3	Barium	21		mg/kg	5.4	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-41-7	Beryllium	0.38	LJ	mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-43-9	Cadmium	0.54	U	mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-47-3	Chromium	9.4		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-48-4	Cobalt	1.8		mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-50-8	Copper	9.7		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-02-0	Nickel	4.1		mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-28-0	Thallium	0.54	U	mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-62-2	Vanadium	11		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	13:56:08	7440-66-6	Zinc	28		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	89.3	1.03	500	MS	SS-06	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-36-0	Antimony	1.1	U	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-38-2	Arsenic	5.1		mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-39-3	Barium	21		mg/kg	5.4	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-41-7	Beryllium	0.39	LJ	mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-43-9	Cadmium	0.54	U	mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-47-3	Chromium	11		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-48-4	Cobalt	2.1		mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-50-8	Copper	9.9		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-02-0	Nickel	4.7		mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-28-0	Thallium	0.54	U	mg/kg	0.54	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-62-2	Vanadium	11		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	13:58:31	7440-66-6	Zinc	29		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.2	1.02	500	MS	SS-07	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-36-0	Antimony	1.1	U	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-38-2	Arsenic	3.8		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-39-3	Barium	56		mg/kg	5.3	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM

49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-41-7	Beryllium	0.34	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-43-9	Cadmium	0.081	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-47-3	Chromium	9.9		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-48-4	Cobalt	4.8		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-50-8	Copper	10		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-02-0	Nickel	7.8		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-28-0	Thallium	0.53	U	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-62-2	Vanadium	7.0		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	14:00:53	7440-66-6	Zinc	51		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	93.6	1	500	MS	SS-08	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-36-0	Antimony	0.23	LJ	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-38-2	Arsenic	27		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-39-3	Barium	44		mg/kg	5.3	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-41-7	Beryllium	0.43	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-43-9	Cadmium	0.14	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-47-3	Chromium	15		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-48-4	Cobalt	4.5		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-50-8	Copper	22		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-02-0	Nickel	8.9		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-28-0	Thallium	0.53	U	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-62-2	Vanadium	8.4		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	14:03:15	7440-66-6	Zinc	180		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	90.4	1.04	500	MS	SS-09	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-36-0	Antimony	1.0	U	mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-38-2	Arsenic	4.6		mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-39-3	Barium	24		mg/kg	5.2	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-41-7	Beryllium	0.38	LJ	mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-43-9	Cadmium	0.52	U	mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-47-3	Chromium	9.1		mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-48-4	Cobalt	3.5		mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-50-8	Copper	9.2		mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-02-0	Nickel	4.2		mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7782-49-2	Selenium	2.6	U	mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-28-0	Thallium	0.52	U	mg/kg	0.52	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-62-2	Vanadium	8.3		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	14:05:37	7440-66-6	Zinc	31		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	91.4	1.05	500	MS	SS-10	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-36-0	Antimony	0.24	LJ	mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-38-2	Arsenic	19		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-39-3	Barium	23		mg/kg	5.3	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-41-7	Beryllium	0.24	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-43-9	Cadmium	0.10	LJ	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-47-3	Chromium	35		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-48-4	Cobalt	2.2		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-50-8	Copper	57		mg/kg	1.1	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-02-0	Nickel	4.6		mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-28-0	Thallium	0.53	U	mg/kg	0.53	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-62-2	Vanadium	5.0		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	14:08:00	7440-66-6	Zinc	26		mg/kg	2.7	10/19/2021	11/16/2021	10/21/2021	91.3	1.03	500	MS	SS-11	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-36-0	Antimony	0.23	LJ	mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-38-2	Arsenic	11		mg/kg	0.51	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-39-3	Barium	52		mg/kg	5.1	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-41-7	Beryllium	0.39	LJ	mg/kg	0.51	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-43-9	Cadmium	0.10	LJ	mg/kg	0.51	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-47-3	Chromium	21		mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-48-4	Cobalt	3.8		mg/kg	0.51	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-50-8	Copper	17		mg/kg	1.0	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-02-0	Nickel	7.0		mg/kg	0.51	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7782-49-2	Selenium	2.6	U	mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-28-0	Thallium	0.51	U	mg/kg	0.51	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-62-2	Vanadium	8.0		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	14:10:21	7440-66-6	Zinc	34		mg/kg	2.6	10/19/2021	11/16/2021	10/21/2021	91.9	1.06	500	MS	SS-12	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-36-0	Antimony	0.36	LJ	mg/kg	1.1	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-38-2	Arsenic	36		mg/kg	0.54	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-39-3	Barium	120		mg/kg	5.4	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-41-7	Beryllium	0.38	LJ	mg/kg	0.54	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-43-9	Cadmium	0.20	LJ	mg/kg	0.54	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM

49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-47-3	Chromium	39		mg/kg	1.1	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-48-4	Cobalt	2.9		mg/kg	0.54	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-50-8	Copper	30		mg/kg	1.1	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-02-0	Nickel	4.0		mg/kg	0.54	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7782-49-2	Selenium	2.7	U	mg/kg	2.7	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-28-0	Thallium	0.54	U	mg/kg	0.54	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-62-2	Vanadium	4.1		mg/kg	2.7	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	13:27:52	7440-66-6	Zinc	55		mg/kg	2.7	10/20/2021	11/16/2021	10/21/2021	91.4	1.02	500	MS	SD-07	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7429-90-5	Aluminum	5900		mg/kg	21	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7440-70-2	Calcium	840		mg/kg	520	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7439-89-6	Iron	15000		mg/kg	10	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7439-92-1	Lead	11		mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7439-95-4	Magnesium	670		mg/kg	520	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7439-96-5	Manganese	240		mg/kg	1.6	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7440-09-7	Potassium	630		mg/kg	520	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/16/2021	16:37:30	7440-23-5	Sodium	520	U	mg/kg	520	10/20/2021	10/25/2021	10/21/2021	93.6	1.02	100	P	SSBK-02	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7429-90-5	Aluminum	4300		mg/kg	20	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7440-70-2	Calcium	500	U	mg/kg	500	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7439-89-6	Iron	4900		mg/kg	10	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7439-92-1	Lead	5.5		mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7439-95-4	Magnesium	240	LJ	mg/kg	500	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7439-96-5	Manganese	110		mg/kg	1.5	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7440-09-7	Potassium	390	LJ	mg/kg	500	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/16/2021	16:42:32	7440-23-5	Sodium	500	U	mg/kg	500	10/20/2021	10/25/2021	10/21/2021	92.7	1.08	100	P	SBSBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7429-90-5	Aluminum	2200		mg/kg	21	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7440-70-2	Calcium	370	LJ	mg/kg	520	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7439-89-6	Iron	6700		mg/kg	10	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7439-92-1	Lead	6.1		mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7439-95-4	Magnesium	370	LJ	mg/kg	520	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7439-96-5	Manganese	170		mg/kg	1.6	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7440-09-7	Potassium	410	LJ	mg/kg	520	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/16/2021	16:47:36	7440-23-5	Sodium	520	U	mg/kg	520	10/20/2021	10/25/2021	10/21/2021	90.9	1.05	100	P	SDBK-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7429-90-5	Aluminum	3900		mg/kg	20	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7440-70-2	Calcium	980		mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7439-89-6	Iron	13000		mg/kg	9.8	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7439-92-1	Lead	7.4		mg/kg	0.98	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7439-95-4	Magnesium	590		mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7439-96-5	Manganese	260		mg/kg	1.5	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7440-09-7	Potassium	610		mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7440-22-4	Silver	0.98	U	mg/kg	0.98	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/16/2021	16:52:38	7440-23-5	Sodium	490	U	mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.8	1.09	100	P	SS-01	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7429-90-5	Aluminum	9300		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7440-70-2	Calcium	900		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7439-89-6	Iron	26000		mg/kg	11	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7439-92-1	Lead	17		mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7439-95-4	Magnesium	1400		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7439-96-5	Manganese	200		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7440-09-7	Potassium	1300		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7440-22-4	Silver	1.1	U	mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/16/2021	16:57:38	7440-23-5	Sodium	530	U	mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.8	1.04	100	P	SS-02	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7429-90-5	Aluminum	6100		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7440-70-2	Calcium	2300		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7439-89-6	Iron	19000		mg/kg	10	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7439-92-1	Lead	14		mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7439-95-4	Magnesium	830		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7439-96-5	Manganese	930		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7440-09-7	Potassium	1300		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/16/2021	17:02:44	7440-23-5	Sodium	520	U	mg/kg	520	10/19/2021	10/25/2021	10/21/2021	92.5	1.03	100	P	SS-03	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7429-90-5	Aluminum	5800		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7440-70-2	Calcium	1900		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7439-89-6	Iron	14000		mg/kg	11	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7439-92-1	Lead	11		mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7439-95-4	Magnesium	900		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM

49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7439-96-5	Manganese	230		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7440-09-7	Potassium	1000		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7440-22-4	Silver	1.1	U	mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/16/2021	17:07:59	7440-23-5	Sodium	530	U	mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.1	1.03	100	P	SS-04	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7429-90-5	Aluminum	4900		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7440-70-2	Calcium	3300		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7439-89-6	Iron	11000		mg/kg	11	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7439-92-1	Lead	7.5		mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7439-95-4	Magnesium	910		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7439-96-5	Manganese	650		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7440-09-7	Potassium	920		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7440-22-4	Silver	1.1	U	mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/16/2021	17:13:00	7440-23-5	Sodium	530	U	mg/kg	530	10/19/2021	10/25/2021	10/21/2021	92.4	1.02	100	P	SS-05	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7429-90-5	Aluminum	7900		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7440-70-2	Calcium	790		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	19:42:35	7439-89-6	Iron	33000		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7439-92-1	Lead	12		mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7439-95-4	Magnesium	620		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7439-96-5	Manganese	130		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7440-09-7	Potassium	730		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/16/2021	17:18:10	7440-23-5	Sodium	520	U	mg/kg	520	10/19/2021	10/25/2021	10/21/2021	89.3	1.08	100	P	SS-06	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7429-90-5	Aluminum	7100		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7440-70-2	Calcium	950		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7439-89-6	Iron	23000		mg/kg	11	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7439-92-1	Lead	11		mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7439-95-4	Magnesium	600		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7439-96-5	Manganese	160		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7440-09-7	Potassium	740		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7440-22-4	Silver	1.1	U	mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/16/2021	17:23:20	7440-23-5	Sodium	530	U	mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.2	1.04	100	P	SS-07	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7429-90-5	Aluminum	6500		mg/kg	20	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7440-70-2	Calcium	1000		mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7439-89-6	Iron	18000		mg/kg	9.8	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7439-92-1	Lead	10		mg/kg	0.98	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7439-95-4	Magnesium	1200		mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7439-96-5	Manganese	160		mg/kg	1.5	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7440-09-7	Potassium	970		mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7440-22-4	Silver	0.98	U	mg/kg	0.98	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/16/2021	17:28:32	7440-23-5	Sodium	490	U	mg/kg	490	10/19/2021	10/25/2021	10/21/2021	93.6	1.09	100	P	SS-08	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7429-90-5	Aluminum	7100		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7440-70-2	Calcium	2300		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7439-89-6	Iron	16000		mg/kg	11	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7439-92-1	Lead	15		mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7439-95-4	Magnesium	1000		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7439-96-5	Manganese	300		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7440-09-7	Potassium	960		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7440-22-4	Silver	1.1	U	mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/16/2021	17:33:40	7440-23-5	Sodium	530	U	mg/kg	530	10/19/2021	10/25/2021	10/21/2021	90.4	1.04	100	P	SS-09	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7429-90-5	Aluminum	7500		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7440-70-2	Calcium	520		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7439-89-6	Iron	25000		mg/kg	10	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7439-92-1	Lead	11		mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7439-95-4	Magnesium	950		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7439-96-5	Manganese	140		mg/kg	1.5	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7440-09-7	Potassium	900		mg/kg	520	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/16/2021	17:38:49	7440-23-5	Sodium	520	U	mg/kg	520	10/19/2021	10/25/2021	10/21/2021	91.4	1.06	100	P	SS-10	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7429-90-5	Aluminum	4800		mg/kg	20	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7440-70-2	Calcium	1100		mg/kg	500	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7439-89-6	Iron	13000		mg/kg	10	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7439-92-1	Lead	9.6		mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7439-95-4	Magnesium	1300		mg/kg	500	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7439-96-5	Manganese	150		mg/kg	1.5	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7440-09-7	Potassium	710		mg/kg	500	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/16/2021	17:43:58	7440-23-5	Sodium	500	U	mg/kg	500	10/19/2021	10/25/2021	10/21/2021	91.3	1.1	100	P	SS-11	S4VEM

49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7429-90-5	Aluminum	7400		mg/kg	21	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7440-70-2	Calcium	740		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7439-89-6	Iron	22000		mg/kg	11	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7439-92-1	Lead	14		mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7439-95-4	Magnesium	1500		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7439-96-5	Manganese	380		mg/kg	1.6	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7440-09-7	Potassium	790		mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7440-22-4	Silver	1.1	U	mg/kg	1.1	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/16/2021	17:59:48	7440-23-5	Sodium	530	U	mg/kg	530	10/19/2021	10/25/2021	10/21/2021	91.9	1.02	100	P	SS-12	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7429-90-5	Aluminum	4000		mg/kg	20	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7440-70-2	Calcium	6500		mg/kg	510	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7439-89-6	Iron	8200		mg/kg	10	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7439-92-1	Lead	10		mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7439-95-4	Magnesium	780		mg/kg	510	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7439-96-5	Manganese	450		mg/kg	1.5	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7440-09-7	Potassium	1100		mg/kg	510	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7440-22-4	Silver	1.0	U	mg/kg	1.0	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/16/2021	16:16:50	7440-23-5	Sodium	510	U	mg/kg	510	10/20/2021	10/25/2021	10/21/2021	91.4	1.07	100	P	SD-07	S4VEM
49708	F4C50	F4C50	0002690-01	S	Field_Sample	11/02/2021	10:41:01	7439-97-6	Mercury	0.097	U	mg/kg	0.097	10/20/2021	10/29/2021	10/21/2021	93.6	0.55	100	CV	SSBK-02	S4VEM
49708	F4C50	F4C51	0002690-02	S	Field_Sample	11/02/2021	10:42:20	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/20/2021	10/29/2021	10/21/2021	92.7	0.53	100	CV	SBSBK-01	S4VEM
49708	F4C50	F4C52	0002690-03	S	Field_Sample	11/02/2021	10:43:39	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/20/2021	10/29/2021	10/21/2021	90.9	0.54	100	CV	SDBK-01	S4VEM
49708	F4C50	F4C53	0002690-04	S	Field_Sample	11/02/2021	10:44:58	7439-97-6	Mercury	0.097	U	mg/kg	0.097	10/19/2021	10/29/2021	10/21/2021	93.8	0.55	100	CV	SS-01	S4VEM
49708	F4C50	F4C54	0002690-05	S	Field_Sample	11/02/2021	10:46:20	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/19/2021	10/29/2021	10/21/2021	90.8	0.53	100	CV	SS-02	S4VEM
49708	F4C50	F4C55	0002690-06	S	Field_Sample	11/02/2021	10:47:38	7439-97-6	Mercury	0.098	U	mg/kg	0.098	10/19/2021	10/29/2021	10/21/2021	92.5	0.55	100	CV	SS-03	S4VEM
49708	F4C50	F4C56	0002690-07	S	Field_Sample	11/02/2021	10:48:56	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/19/2021	10/29/2021	10/21/2021	91.1	0.55	100	CV	SS-04	S4VEM
49708	F4C50	F4C57	0002690-08	S	Field_Sample	11/02/2021	10:50:15	7439-97-6	Mercury	0.11	U	mg/kg	0.11	10/19/2021	10/29/2021	10/21/2021	92.4	0.5	100	CV	SS-05	S4VEM
49708	F4C50	F4C58	0002690-09	S	Field_Sample	11/02/2021	10:51:33	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/19/2021	10/29/2021	10/21/2021	89.3	0.55	100	CV	SS-06	S4VEM
49708	F4C50	F4C59	0002690-10	S	Field_Sample	11/02/2021	10:52:52	7439-97-6	Mercury	0.11	U	mg/kg	0.11	10/19/2021	10/29/2021	10/21/2021	90.2	0.52	100	CV	SS-07	S4VEM
49708	F4C50	F4C60	0002690-11	S	Field_Sample	11/02/2021	10:54:11	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/19/2021	10/29/2021	10/21/2021	93.6	0.51	100	CV	SS-08	S4VEM
49708	F4C50	F4C61	0002690-12	S	Field_Sample	11/02/2021	10:58:31	7439-97-6	Mercury	0.11	U	mg/kg	0.11	10/19/2021	10/29/2021	10/21/2021	90.4	0.52	100	CV	SS-09	S4VEM
49708	F4C50	F4C62	0002690-13	S	Field_Sample	11/02/2021	10:59:49	7439-97-6	Mercury	0.099	U	mg/kg	0.099	10/19/2021	10/29/2021	10/21/2021	91.4	0.55	100	CV	SS-10	S4VEM
49708	F4C50	F4C63	0002690-14	S	Field_Sample	11/02/2021	11:01:08	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/19/2021	10/29/2021	10/21/2021	91.3	0.53	100	CV	SS-11	S4VEM
49708	F4C50	F4C64	0002690-15	S	Field_Sample	11/02/2021	11:02:26	7439-97-6	Mercury	0.10	U	mg/kg	0.10	10/19/2021	10/29/2021	10/21/2021	91.9	0.52	100	CV	SS-12	S4VEM
49708	F4C50	F4C91	0002690-16	S	Field_Sample	11/02/2021	10:36:40	7439-97-6	Mercury	0.11	U	mg/kg	0.11	10/20/2021	10/29/2021	10/21/2021	91.4	0.52	100	CV	SD-07	S4VEM

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 49708 SDG No. F4C50 SDG Nos. To Follow Mod. Ref No. Date Rec. 11/18/2021

EPA Lab ID: CHX

Lab Location: Port Arthur, TX

Region: 6 Audit No.: 49708/F4C50

Re_Submitted CSF? Yes No X

Box No(s): 1

COMMENTS:

Item Description

14./15. Sample tags were not used for this case.

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?	X		
8. Accurate?	X		
TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
AIRBILLS/AIRBILL STICKER			
11. Present?	X		
12. Signed?	X		
13. Dated?	X		
SAMPLE TAGS			
14. Does DC-1 list tags as being included?			X
15. Present?			X
OTHER DOCUMENTS			
16. Complete?	X		
17. Legible?	X		
18. Original?		X	
18a. If "NO", does the copy indicate where original documents are located?	X		

Audited by: Sonya Meekins S. Meekins / ESAT Data Reviewer Date 11/29/2021

Audited by: Date

Signature Printed Name/Title

DC-2__

CASE: 49708
SDG: FY4C5D
Work order: 2690
Contract: 68HERH20D0012

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935171782

CHAIN OF CUSTODY RECORD

Case #: 49708
Cooler #: 3

No: 6-100721-093745-0003
Lab: CHEMTEX- Port Arthur, TX
Lab Contact: Jeevan Yeddula
Lab Phone: 409-983-4575

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SD-06	F4C38	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1128 (4 C) (1)	SD-06	10/19/2021 12:45	—
SD-07	F4C39	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1131 (4 C), 1134 (4 C) (2)	SD-07	10/20/2021 09:15	2690-16
SD-08	F4C40	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1137 (4 C) (1)	SD-08	10/20/2021 09:38	—
SD-09	F4C41	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1143 (4 C) (1)	SD-09	10/20/2021 09:00	—

SG 10/21/2021

Sample(s) to be used for Lab QC: SD-07 Tag 1134 - Special Instructions: Sample(s) to be used for Lab QC: SS-05 Tag 1029, SS-21 Tag 1083, SD-07 Tag 1134- ICPAES + MS + Hg: Ag, Al, As, Ba, Be, Ca. Cd. Co. Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES=CLP ICP-AES + MS + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
samples	Joyce, DEQ	10/20/21, 18:00	Eugenia G / CHEMTEX	10/21/2021 14:38	Intact
			SG 10/21/2021		

Case: 49708
SDG: F4C50
Work order: 2690
Contract: 68HERH20D0012

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935171290

CHAIN OF CUSTODY RECORD

Case #: 49708
Cooler #: 1

No: 6-100721-093735-0001
Lab: CHEMTEX - Port Arthur, TX
Lab Contact: Jeevan Yeddula
Lab Phone: 409-983-4575

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SS-08	F4C60	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1041 (4 C) (1)	SS-08	10/19/2021 14:45	2690-11
SS-09	F4C61	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1044 (4 C) (1)	SS-09	10/19/2021 14:05	2690-12
SS-10	F4C62	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1047 (4 C) (1)	SS-10	10/19/2021 14:53	2690-13
SS-11	F4C63	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1050 (4 C) (1)	SS-11	10/19/2021 15:20	2690-14
SS-12	F4C64	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1053 (4 C) (1)	SS-12	10/19/2021 15:26	2690-15

SG 10/21/2021

Special Instructions: ICPAES + MS + Hg: Ag, Al, As, Ba, Be, Ca. Cd. Co. Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

NA

Analysis Key: ICP-AES=CLP ICP-AES + MS + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
			Eugene. G / CHEMTEX	10/21/2021 14:38	Intact
			SG 10/21/2021		

CASE: 49708
SDG: F4C90
Work order: 2690
Contract: 68HERH20D0012

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935171782

CHAIN OF CUSTODY RECORD

Case #: 49708
Cooler #: 3

No: 6-100721-093745-0003
Lab: CHEMTEX - Port Arthur, TX
Lab Contact: Jeevan Yeddula
Lab Phone: 409-983-4575

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SD-06	F4C90	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1128 (4 C) (1)	SD-06	10/19/2021 12:45	-
SD-07	F4C91	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1131 (4 C), 1134 (4 C) (2)	SD-07	10/20/2021 09:15	2690-16
SD-08	F4C92	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1137 (4 C) (1)	SD-08	10/20/2021 09:38	-
SD-09	F4C93	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1143 (4 C) (1)	SD-09	10/20/2021 09:00	-

SG 10/21/2021

Sample(s) to be used for Lab QC: SD-07 Tag 1134 - Special Instructions: Sample(s) to be used for Lab QC: SS-05 Tag 1029, SS-21 Tag 1083, SD-07 Tag 1134- ICPAES + MS + Hg: Ag, Al, As, Ba, Be, Ca. Cd. Co. Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #
NA

Analysis Key: ICP-AES=CLP ICP-AES + MS + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
			Enquena. G / CHEMTEX	10/21/2021 14:35	Intact
			SG 10/21/2021		

CASE: 49708
SDG: F4C50
Work order: 2690
Contract: 68HERH20D0012

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935171290

CHAIN OF CUSTODY RECORD

Case #: 49708
Cooler #: 1

No: 6-100721-093735-0001
Lab: CHEMTEX- Port Arthur, TX
Lab Contact: Jeevan Yeddula
Lab Phone: 409-983-4575

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SSBK-02	F4C01	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1005 (4 C) (1)	SSBK-02	10/20/2021 12:45	2690-01
SBSBK-01	F4C02	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1008 (4 C) (1)	SBSBK-01	10/20/2021 12:21	2690-02
SDBK-01	F4C03	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1011 (4 C) (1)	SDBK-01	10/20/2021 12:00	2690-03
SS-01	F4C04	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1014 (4 C) (1)	SS-01	10/19/2021 15:13	2690-04
SS-02	F4C05	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1017 (4 C) (1)	SS-02	10/19/2021 14:30	2690-05
SS-03	F4C06	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1020 (4 C) (1)	SS-03	10/19/2021 14:24	2690-06
SS-04	F4C07	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1023 (4 C) (1)	SS-04	10/19/2021 13:15	2690-07
SS-05	F4C08	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1026 (4 C) (1)	SS-05	10/19/2021 13:22	2690-08
SS-06	F4C09	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1032 (4 C) (1)	SS-06	10/19/2021 13:30	2690-09
SS-07	F4C10	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1038 (4 C) (1)	SS-07	10/19/2021 13:35	2690-10

Special Instructions: ICPAES + MS + Hg: Ag, Al, As, Ba, Be, Ca. Cd. Co. Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES=CLP ICP-AES + MS + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples	Anna, DEQ	10/20/21, 18:00	Eugene G / CHEMTEX	10/21/2021 14:38	Intact
			SG 10/21/2021		

CASE: 49708
SDG: F4C00
Work order: 2690
Contract: 68HERH20D0012

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935171290

CHAIN OF CUSTODY RECORD

Case #: 49708
Cooler #: 1

No: 6-100721-093735-0001
Lab: CHEMTEX- Port Arthur, TX
Lab Contact: Jeevan Yeddula
Lab Phone: 409-983-4575

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SS-08	F4C11	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1041 (4 C) (1)	SS-08	10/19/2021 14:45	2690-11
SS-09	F4C12	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1044 (4 C) (1)	SS-09	10/19/2021 14:05	2690-12
SS-10	F4C13	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1047 (4 C) (1)	SS-10	10/19/2021 14:53	2690-13
SS-11	F4C14	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1050 (4 C) (1)	SS-11	10/19/2021 15:20	2690-14
SS-12	F4C15	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1053 (4 C) (1)	SS-12	10/19/2021 15:26	2690-15

SG 10/21/2021

Special Instructions: ICPAES + MS + Hg: Ag, Al, As, Ba, Be, Ca. Cd. Co. Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES=CLP ICP-AES + MS + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples	agoyle, DEQ	10/20/21, 18:00	Eugene. G / CHEMTEX	10/21/2021 14:38	Intact
			SG 10/21/2021		

CASE: 49708 SDG: F4C50 Workorder: 2690 SG 10/21/2021 Contract: 68HERH1 ~~20D0012~~ 20D0012

USEPA CLP COC (LAB COPY)
DateShipped: 10/20/2021
CarrierName: FedEx
AirbillNo: 774935171290

CHAIN OF CUSTODY RECORD

Case #: 49708
Cooler #: 1

No: 6-100721-093735-0001
Lab: CHEMTEX - Port Arthur, TX
Lab Contact: Jeevan Yeddula
Lab Phone: 409-983-4575

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SSBK-02	F4C50	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1005 (4 C) (1)	SSBK-02	10/20/2021 12:45	2690-01
SBSBK-01	F4C51	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1008 (4 C) (1)	SBSBK-01	10/20/2021 12:21	2690-02
SDBK-01	F4C52	Sediment/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1011 (4 C) (1)	SDBK-01	10/20/2021 12:00	2690-03
SS-01	F4C53	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1014 (4 C) (1)	SS-01	10/19/2021 15:13	2690-04
SS-02	F4C54	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1017 (4 C) (1)	SS-02	10/19/2021 14:30	2690-05
SS-03	F4C55	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1020 (4 C) (1)	SS-03	10/19/2021 14:24	2690-06
SS-04	F4C56	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1023 (4 C) (1)	SS-04	10/19/2021 13:15	2690-07
SS-05	F4C57	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1026 (4 C) (1)	SS-05	10/19/2021 13:22	2690-08
SS-06	F4C58	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1032 (4 C) (1)	SS-06	10/19/2021 13:30	2690-09
SS-07	F4C59	Soil/ Anna Griffiths, DEQ	Grab	ICP-AES(21)	1038 (4 C) (1)	SS-07	10/19/2021 13:35	2690-10

Special Instructions: ICPAES + MS + Hg: Ag, Al, As, Ba, Be, Ca. Cd. Co. Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn analysis by SFAM01.1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #
NA

Analysis Key: ICP-AES=CLP ICP-AES + MS + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
			Eugene G/CHEMTEX	10/21/2021 14:38	Intact
			SG 10/21/2021		

APPENDIX B

EPA REGION 6 REGIONAL SCREENING LEVELS SUMMARY TABLE

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information														Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
				3.0E-04	O					1	0.1		Acephate	30560-19-1	1.9E+01	n	2.5E+02	n					6.0E+00	n		1.3E-03	n		
		2.2E-06	I			9.0E-03	I	V		1		1.1E+05	Acetaldehyde	75-07-0	1.1E+01	c**	4.9E+01	c**	1.3E+00	c**	5.6E+00	c**	2.6E+00	c**		5.2E-04	c**		
				2.0E-02	I					1	0.1		Acetochlor	34256-82-1	1.3E+03	n	1.6E+04	n					3.5E+02	n		2.8E-01	n		
				9.0E-01	I			V		1		1.1E+05	Acetone	67-64-1	7.0E+04	n	1.1E+06	nms					1.8E+04	n		3.7E+00	n		
						2.0E-03	X			1	0.1		Acetone Cyanohydrin	75-86-5	2.8E+06	nm	1.2E+07	nm	2.1E+00	n	8.8E+00	n							
						6.0E-02	I	V		1		1.3E+05	Acetonitrile	75-05-8	8.1E+02	n	3.4E+03	n	6.3E+01	n	2.6E+02	n	1.3E+02	n		2.6E-02	n		
				1.0E-01	I			V		1		2.5E+03	Acetophenone	98-86-2	7.8E+03	ns	1.2E+05	nms					1.9E+03	n		5.8E-01	n		
3.8E+00	C	1.3E-03	C							1	0.1		Acetylaminofluorene, 2-	53-96-3	1.4E-01	c	6.0E-01	c	2.2E-03	c	9.4E-03	c	1.6E-02	c		7.5E-05	c		
				5.0E-04	I	2.0E-05	I	V		1		2.3E+04	Acrolein	107-02-8	1.4E-01	n	6.0E-01	n	2.1E-02	n	8.8E-02	n	4.2E-02	n		8.4E-06	n		
5.0E-01	I	1.0E-04	I	2.0E-03	I	6.0E-03	I		M	1	0.1		Acrylamide	79-06-1	2.4E-01	c	4.6E+00	c	1.0E-02	c	1.2E-01	c	5.0E-02	c		1.1E-05	c		
				5.0E-01	I	2.0E-04	P	V		1		1.1E+05	Acrylic Acid	79-10-7	2.0E+01	n	8.3E+01	n	2.1E-01	n	8.8E-01	n	4.2E-01	n		8.5E-05	n		
5.4E-01	I	6.8E-05	I	1.0E-02	A	2.0E-03	I	V		1		1.1E+04	Acrylonitrile	107-13-1	2.5E-01	c*	1.1E+00	c*	4.1E-02	c*	1.8E-01	c*	5.2E-02	c*		1.1E-05	c*		
						6.0E-03	P			1	0.1		Adiponitrile	111-69-3	8.5E+06	nm	3.6E+07	nm	6.3E+00	n	2.6E+01	n							
5.6E-02	C			1.0E-02	I					1	0.1		Alachlor	15972-60-8	9.7E+00	c*	4.1E+01	c					1.1E+00	c	2.0E+00	8.7E-04	c	1.6E-03	
				1.0E-03	I					1	0.1		Aldicarb	116-06-3	6.3E+01	n	8.2E+02	n					2.0E+01	n	3.0E+00	4.9E-03	n	7.5E-04	
				1.0E-03	I					1	0.1		Aldicarb Sulfone	1646-88-4	6.3E+01	n	8.2E+02	n					2.0E+01	n	2.0E+00	4.4E-03	n	4.4E-04	
										1	0.1		Aldicarb sulfoxide	1646-87-3											4.0E+00			8.8E-04	
1.7E+01	I	4.9E-03	I	3.0E-05	I			V		1			Aldrin	309-00-2	3.9E-02	c*	1.8E-01	c	5.7E-04	c	2.5E-03	c	9.2E-04	c		1.5E-04	c		
				4.0E-03	P	1.0E-04	X	V		1		1.1E+05	Allyl Alcohol	107-18-6	3.5E+00	n	1.5E+01	n	1.0E-01	n	4.4E-01	n	2.1E-01	n		4.2E-05	n		
2.1E-02	C	6.0E-06	C			1.0E-03	I	V		1		1.4E+03	Allyl Chloride	107-05-1	7.2E-01	c**	3.2E+00	c**	4.7E-01	c**	2.0E+00	c**	7.3E-01	c**		2.3E-04	c**		
				1.0E+00	P	5.0E-03	P			1			Aluminum	7429-90-5	7.7E+04	n	1.1E+06	nm	5.2E+00	n	2.2E+01	n	2.0E+04	n		3.0E+04	n		
				4.0E-04	I					1			Aluminum Phosphide	20859-73-8	3.1E+01	n	4.7E+02	n					8.0E+00	n					
				9.0E-03	I					1	0.1		Ametryn	834-12-8	5.7E+02	n	7.4E+03	n					1.5E+02	n		1.6E-01	n		
2.1E+01	C	6.0E-03	C							1	0.1		Aminobiphenyl, 4-	92-67-1	2.6E-02	c	1.1E-01	c	4.7E-04	c	2.0E-03	c	3.0E-03	c		1.5E-05	c		
				8.0E-02	P					1	0.1		Aminophenol, m-	591-27-5	5.1E+03	n	6.6E+04	n					1.6E+03	n		6.1E-01	n		
				4.0E-03	X					1	0.1		Aminophenol, o-	95-55-6	2.5E+02	n	3.3E+03	n					7.9E+01	n		3.0E-02	n		
				2.0E-02	P					1	0.1		Aminophenol, p-	123-30-8	1.3E+03	n	1.6E+04	n					4.0E+02	n		1.5E-01	n		
				2.5E-03	I					1	0.1		Amitraz	33089-61-1	1.6E+02	n	2.1E+03	n					8.2E+00	n		4.2E+00	n		
						5.0E-01	I	V		1			Ammonia	7664-41-7					5.2E+02	n	2.2E+03	n							
				2.0E-03	X					1	0.1		Ammonium Picrate	131-74-8	1.3E+02	n	1.6E+03	n					4.0E+01	n		1.9E-01	n		
				2.0E-01	I					1			Ammonium Sulfamate	7773-06-0	1.6E+04	n	2.3E+05	nm					4.0E+03	n					
						3.0E-03	X	V		1		1.4E+04	Amyl Alcohol, tert-	75-85-4	8.2E+01	n	3.4E+02	n	3.1E+00	n	1.3E+01	n	6.3E+00	n		1.3E-03	n		
5.7E-03	I	1.6E-06	C	7.0E-03	P	1.0E-03	I			1	0.1		Aniline	62-53-3	9.5E+01	c**	4.0E+02	c*	1.0E+00	n	4.4E+00	n	1.3E+01	c*		4.6E-03	c*		
4.0E-02	P			2.0E-03	X					1	0.1		Anthraquinone, 9,10-	84-65-1	1.4E+01	c**	5.7E+01	c*					1.4E+00	c*		1.4E-02	c*		
				4.0E-04	I	3.0E-04	A			0.15			Antimony (metallic)	7440-36-0	3.1E+01	n	4.7E+02	n	3.1E-01	n	1.3E+00	n	7.8E+00	n	6.0E+00	3.5E-01	n	2.7E-01	
				5.0E-04	H					0.15			Antimony Pentoxide	1314-60-9	3.9E+01	n	5.8E+02	n					9.7E+00	n					
				4.0E-04	H					0.15			Antimony Tetroxide	1332-81-6	3.1E+01	n	4.7E+02	n					7.8E+00	n					
						2.0E-04	I			0.15			Antimony Trioxide	1309-64-4	2.8E+05	nm	1.2E+06	nm	2.1E-01	n	8.8E-01	n							
1.5E+00	I	4.3E-03	I	3.0E-04	I	1.5E-05	C			1	0.03		Arsenic, Inorganic	7440-38-2	6.8E-01	c*R	3.0E+00	cR	6.5E-04	c*	2.9E-03	c*	5.2E-02	c	1.0E+01	1.5E-03	c	2.9E-01	
				3.5E-06	C	5.0E-05	I			1			Arsine	7784-42-1	2.7E-01	n	4.1E+00	n	5.2E-02	n	2.2E-01	n	7.0E-02	n					
										1			Asbestos (units in fibers)	1332-21-4											7.0E+06(G)				
				3.6E-01	O					1	0.1		Asulam	3337-71-1	2.3E+04	n	3.0E+05	nm					7.2E+03	n		1.8E+00	n		
2.3E-01	C			3.0E-03	A					1	0.1		Atrazine	1912-24-9	2.4E+00	c*	1.0E+01	c					3.0E-01	c	3.0E+00	2.0E-04	c	1.9E-03	
8.8E-01	C	2.5E-04	C							1	0.1		Auramine	492-80-8	6.2E-01	c	2.6E+00	c	1.1E-02	c	4.9E-02	c	7.8E-02	c		7.1E-04	c		
				4.0E-04	I					1	0.1		Avermectin B1	65195-55-3	2.5E+01	n	3.3E+02	n					8.0E+00	n		1.4E+01	n		
				3.0E-03	A	1.0E-02	A			1	0.1		Azinphos-methyl	86-50-0	1.9E+02	n	2.5E+03	n	1.0E+01	n	4.4E+01	n	5.6E+01	n		1.7E-02	n		
1.1E-01	I	3.1E-05	I					V		1			Azobenzene	103-33-3	5.6E+00	c	2.6E+01	c	9.1E-02	c	4.0E-01	c	1.2E-01	c		9.3E-04	c		
				1.0E+00	P	7.0E-06	P			1	0.1		Azodicarbonamide	123-77-3	8.6E+03	n	4.0E+04	n	7.3E-03	n	3.1E-02	n	2.0E+04	n		6.8E+00	n		
				2.0E-01	I	5.0E-04	H			0.07			Barium	7440-39-3	1.5E+04	n	2.2E+05	nm	5.2E-01	n	2.2E+00	n	3.8E+03	n	2.0E+03	1.6E+02	n	8.2E+01	
				5.0E-03	O			V		1			Benfluralin	1861-40-1	3.9E+02	n	5.8E+03	n					2.8E+01	n		9.4E-01	n		
				5.0E-02	I					1	0.1		Benomyl	17804-35-2	3.2E+03	n	4.1E+04	n					9.7E+02	n		8.5E-01	n		
				2.0E-01	I					1	0.1		Bensulfuron-methyl	83055-99-6	1.3E+04	n	1.6E+05	nm					3.9E+03	n		1.0E+00	n		
				3.0E-02	I					1	0.1		Bentazon	25057-89-0	1.9E+03	n	2.5E+04	n					5.7E+02	n		1.2E-01	n		
4.0E-03	P			1.0E-01	I			V		1		1.2E+03	Benzaldehyde	100-52-7	1.7E+02	c*	8.2E+02	c					1.9E+01	c		4.1E-03	c		
5.5E-02	I	7.8E-06	I	4.0E-03	I	3.0E-02	I	V		1		1.8E+03	Benzene	71-43-2	1.2E+00	c*	5.1E+00	c*	3.6E-01	c*	1.6E+00	c*	4.6E-01	c*	5.0E+00	2.3E-04	c*	2.6E-03	
1.0E-01	X			3.0E-04	X					1	0.1		Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	5.4E+00	c**	2.3E+01	c*					7.8E-01	c**		2.2E-04	c**		
				1.0E-03	P			V		1		1.3E+03	Benzenethiol	108-98-5	7.8E+01	n	1.2E+03	n					1.7E+01	n		1.1E-02	n		
2.3E+02	I	6.7E-02	I	3.0E-03	I				M	1	0.1		Benzidine	92-87-5	5.3E-04	c	1.0E-02	c	1.5E-05	c	1.8E-04	c	1.1E-04	c		2.8E-07	c		
				4.0E+00	I					1	0.1		Benzoic Acid	65-85-0	2.5E+05	nm	3.3E+06	nm					7.5E+04	n		1.5E+01	n		
1.3E+01	I							V		1		3.2E+02	Benzotrichloride	98-07-7	5.3E-02	c	2.5E-01	c					3.0E-03	c		6.6E-06	c		
				1.0E-01	P					1	0.1		Benzyl Alcohol	100-51-6	6.3E+03	n	8.2E+04	n					2.0E+03	n		4.8E-01	n		
1.7E-01	I	4.9E-05	C	2.0E-03	P	1.0E-03	P	V		1		1.5E+03	Benzyl Chloride	100-44-7	1.1E+00	c*	4.8E+00	c*	5.7E-02	c*	2.5E-01	c*	8.9E-02	c*		9.8E-05	c*		
		2.4E-03	I	2.0E-03	I	2.0E-05	I			0.007			Beryllium and compounds	7440-41-7	1.6E+02	n	2.3E+03	n	1.2E-03	c*	5.1E-03	c*	2.5E+01	n	4.0E+00	1.9E+01	n	3.2E+00	
				9.0E-03	P					1	0.1		Bifenox	42576-02-3	5.7E+02	n	7.4E+03	n					1.0E+02	n		7.6E-01	n		
				1.5E-02	I					1	0.1		Biphenthrin	82657-04-3	9.5E+02	n	1.2E+04	n					3.0E+02	n		1.4E+03	n		
8.0E-03	I			5.0E-01	I	4.0E-04	X	V		1			Biphenyl, 1,1'-	92-52-4	4.7E+01	n	2.0E+02	n	4.2E-01	n	1.8E+00	n	8.3E-01	n		8.7E-03	n		
				4.0E-02	I			V		1		1.0E+03	Bis(2-chloro-1-methylethyl) ether	108-60-1	3.1E+03	ns	4.7E+04	ns					7.1E+02	n		2.6E-01	n		
				3.0E-03	P					1	0.1		Bis(2-chloroethoxy)methane	111-91-1	1.9E+02	n	2.5E+03	n					5.9E+01	n		1.3E-02	n		
1.1E+00	I	3.3E-04	I					V		1		5.1E+03	Bis(2-chloroethyl)ether	111-44-4	2.3E-01	c	1.0E+00	c	8.5E-03	c	3.7E-02	c	1.4E-02	c		3.6E-06	c		
2.2E+02	I	6.2E-02	I					V		1		4.2E+03	Bis(chloromethyl)ether	542-88-1	8.3E-05	c	3.6E-04	c	4.5E-05	c	2.0E-04	c	7.2E-05	c		1.7E-08	c		
				5.0E-02	I					1	0.1		Bisphenol A	80-05-7	3.2E+03	n	4.1E+04	n					7.7E+02	n		5.8E+01	n		
				2.0E-01	I	2.0E-02	H			1			Boron And Borates Only	7440-42-8	1.6E+04	n	2.3E+05	nm	2.1E+01	n	8.8E+01	n	4.0E+03	n		1.3E+01	n		
				2.0E+00	P	2.0E-02	P	V		1			Boron Trichloride	10294-34-5	1.6E+05	nm	2.3E+06	nm	2.1E+01	n	8.8E+01	n	4.2E+01	n					
				4.0E-02	C	1.3E-02	C	V		1			Boron Trifluoride	7637-07-2	3.1E+03	n	4.7E+04	n	1.4E+01	n	5.7E+01	n	2.6E+01	n					
7.0E-01	I			4.0E-03	I					1			Bromate	15541-45-4	9.9E-01	c	4.7E+00	c					1.1E-01	c	1.0E+01	8.5E-04	c	7.7E-02	
				1.0E-04	X	6.0E-05	X	V		1		2.4E+03	Bromo-2-chloroethane, 1-	107-04-0	3.5E-01	n	1.5E+00	n	6.3E-02	n	2.6E-01	n	1.2E-01	n		3.3E-05	n		
				3.0E-04	X			V		1		9.0E+02	Bromo-3-fluorobenzene, 1-	1073-06-9	2.3E+01	n	3.5E+02	n					4.9E+00	n		4.7E-03	n		
				3.0E-04	X			V		1		3.2E+02	Bromo-4-fluorobenzene, 1-	460-00-4	2.3E+01	n	3.5E+02	ns					4.6E+00	n		4.4E-03	n		
										1	0.1		Bromoacetic acid	79-08-3											6.0E+01(G)			1.2E-02	

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information														Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
				8.0E-03	I	6.0E-02	I	V		1		6.8E+02	Bromobenzene	108-86-1	2.9E+02	n	1.8E+03	ns	6.3E+01	n	2.6E+02	n	6.2E+01	n		4.2E-02	n		
						4.0E-02	X	V		1		4.0E+03	Bromochloromethane	74-97-5	1.5E+02	n	6.3E+02	n	4.2E+01	n	1.8E+02	n	8.3E+01	n		2.1E-02	n		
6.2E-02	I	3.7E-05	C	8.0E-03	P			V		1		9.3E+02	Bromodichloromethane	75-27-4	2.9E-01	c	1.3E+00	c	7.6E-02	c	3.3E-01	c	1.3E-01	c	8.0E+01(G)	3.6E-05	c	2.2E-02	
7.9E-03	I	1.1E-06	I	2.0E-02	I			V		1		9.2E+02	Bromoform	75-25-2	1.9E+01	c*	8.6E+01	c	2.6E+00	c	1.1E+01	c	3.3E+00	c	8.0E+01(G)	8.7E-04	c	2.1E-02	
				1.4E-03	I	5.0E-03	I	V		1		3.6E+03	Bromomethane	74-83-9	6.8E+00	n	3.0E+01	n	5.2E+00	n	2.2E+01	n	7.5E+00	n		1.9E-03	n		
				5.0E-03	H			V		1			Bromophos	2104-96-3	3.9E+02	n	5.8E+03	n					3.5E+01	n		1.5E-01	n		
						1.0E-01	A	V		1		9.7E+02	Bromopropane, 1-	106-94-5	2.2E+02	n	9.4E+02	n	1.0E+02	n	4.4E+02	n	2.1E+02	n		6.4E-02	n		
1.0E-01	O			1.5E-02	O					1	0.1		Bromoxynil	1689-84-5	5.3E+00	c	2.2E+01	c					6.1E-01	c		5.2E-04	c		
1.0E-01	O			1.5E-02	O			V		1			Bromoxynil Octanoate	1689-99-2	6.7E+00	c	3.2E+01	c					2.4E-01	c		2.1E-03	c		
6.0E-01	C	3.0E-05	I			2.0E-03	I	V		1		6.7E+02	Butadiene, 1,3-	106-99-0	7.6E-02	c*	3.3E-01	c*	9.4E-02	c*	4.1E-01	c*	7.1E-02	c*		3.9E-05	c*		
				1.0E-01	I			V		1		7.6E+03	Butanol, N-	71-36-3	7.8E+03	ns	1.2E+05	nms					2.0E+03	n		4.1E-01	n		
5.0E-04	I			4.0E-01	I	5.0E+00	I	V		1			Butyl Alcohol, t-	75-65-0	1.4E+03	c*	6.5E+03	c*	5.2E+03	n	2.2E+04	n	1.5E+02	c*		3.2E-02	c*		
				2.0E+00	P	3.0E+01	P	V		1		2.1E+04	Butyl alcohol, sec-	78-92-2	1.3E+05	nms	1.5E+06	nms	3.1E+04	n	1.3E+05	n	2.4E+04	n		5.0E+00	n		
				5.0E-02	I			V		1			Butylate	2008-41-5	3.9E+03	n	5.8E+04	n					4.6E+02	n		4.5E-01	n		
2.0E-04	C	5.7E-08	C							1	0.1		Butylated hydroxyanisole	25013-16-5	2.7E+03	c	1.1E+04	c	4.9E+01	c	2.2E+02	c	1.5E+02	c		2.9E-01	c		
3.6E-03	P			3.0E-01	P					1	0.1		Butylated hydroxytoluene	128-37-0	1.5E+02	c	6.4E+02	c					3.4E+00	c		1.0E-01	c		
				5.0E-02	P			V		1		1.1E+02	Butylbenzene, n-	104-51-8	3.9E+03	ns	5.8E+04	ns					1.0E+03	n		3.2E+00	n		
				1.0E-01	X			V		1		1.5E+02	Butylbenzene, sec-	135-98-8	7.8E+03	ns	1.2E+05	nms					2.0E+03	n		5.9E+00	n		
				1.0E-01	X			V		1		1.8E+02	Butylbenzene, tert-	98-06-6	7.8E+03	ns	1.2E+05	nms					6.9E+02	n		1.6E+00	n		
				2.0E-02	A					1	0.1		Cacodylic Acid	75-60-5	1.3E+03	n	1.6E+04	n					4.0E+02	n		1.1E-01	n		
		1.8E-03	I	1.0E-04	A	1.0E-05	A			0.025	0.001		Cadmium (Diet)	7440-43-9	7.1E+00	n	1.0E+02	n	1.6E-03	c**	6.8E-03	c**							
		1.8E-03	I	1.0E-04	A	1.0E-05	A			0.05	0.001		Cadmium (Water)	7440-43-9					1.6E-03	c**	6.8E-03	c**	1.8E+00	n	5.0E+00	1.4E-01	n	3.8E-01	
				5.0E-01	I	2.2E-03	C			1	0.1		Caprolactam	105-60-2	3.1E+04	n	4.0E+05	nm	2.3E+00	n	9.6E+00	n	9.9E+03	n		2.5E+00	n		
1.5E-01	C	4.3E-05	C	2.0E-03	I					1	0.1		Captafol	2425-06-1	3.6E+00	c*	1.5E+01	c	6.5E-02	c	2.9E-01	c	4.0E-01	c*		7.1E-04	c*		
2.3E-03	C	6.6E-07	C	1.3E-01	I					1	0.1		Captan	133-06-2	2.4E+02	c*	1.0E+03	c	4.3E+00	c	1.9E+01	c	3.1E+01	c*		2.2E-02	c*		
				1.0E-01	I					1	0.1		Carbaryl	63-25-2	6.3E+03	n	8.2E+04	n					1.8E+03	n		1.7E+00	n		
				5.0E-03	I					1	0.1		Carbofuran	1563-66-2	3.2E+02	n	4.1E+03	n					9.4E+01	n	4.0E+01	3.7E-02	n	1.6E-02	
				1.0E-01	I	7.0E-01	I	V		1		7.4E+02	Carbon Disulfide	75-15-0	7.7E+02	ns	3.5E+03	ns	7.3E+02	n	3.1E+03	n	8.1E+02	n		2.4E-01	n		
7.0E-02	I	6.0E-06	I	4.0E-03	I	1.0E-01	I	V		1		4.6E+02	Carbon Tetrachloride	56-23-5	6.5E-01	c	2.9E+00	c	4.7E-01	c	2.0E+00	c	4.6E-01	c	5.0E+00	1.8E-04	c	1.9E-03	
						1.0E-01	P	V		1		5.9E+03	Carbonyl Sulfide	463-58-1	6.7E+01	n	2.8E+02	n	1.0E+02	n	4.4E+02	n	2.1E+02	n		5.1E-01	n		
				1.0E-02	I					1	0.1		Carbosulfan	55285-14-8	6.3E+02	n	8.2E+03	n					5.1E+01	n		1.2E+00	n		
				1.0E-01	I					1	0.1		Carboxin	5234-68-4	6.3E+03	n	8.2E+04	n					1.9E+03	n		1.0E+00	n		
						9.0E-04	I			1			Ceric oxide	1306-38-3	1.3E+06	nm	5.4E+06	nm	9.4E-01	n	3.9E+00	n							
				1.0E-01	I			V		1			Chloral Hydrate	302-17-0	7.8E+03	n	1.2E+05	nm					2.0E+03	n		4.0E-01	n		
				1.5E-02	I					1	0.1		Chloramben	133-90-4	9.5E+02	n	1.2E+04	n					2.9E+02	n		7.0E-02	n		
										1	0.1		Chloramines, Organic	E701235											4.0E+03(G)				
4.0E-01	H									1	0.1		Chloranil	118-75-2	1.3E+00	c	5.7E+00	c					1.8E-01	c		1.5E-04	c		
				5.0E-04	G			V		1	0.04		Chlordane (alpha)	5103-71-9	3.6E+01	n	5.0E+02	n					3.6E+00	n		4.9E-01	n		
				5.0E-04	G			V		1	0.04		Chlordane (gamma)	5103-74-2	3.6E+01	n	5.0E+02	n					1.0E+01	n		1.4E+00	n		
3.5E-01	I	1.0E-04	I	5.0E-04	I	7.0E-04	I	V		1	0.04		Chlordane (technical mixture)	12789-03-6	1.7E+00	c*	7.7E+00	c*	2.8E-02	c*	1.2E-01	c*	2.0E-02	c*	2.0E+00	2.7E-03	c*	2.7E-01	
1.0E+01	I	4.6E-03	C	3.0E-04	I					1	0.1		Chlordecone (Kepone)	143-50-0	5.4E-02	c	2.3E-01	c	6.1E-04	c	2.7E-03	c	3.5E-03	c		1.2E-04	c		
				7.0E-04	A					1	0.1		Chlorfenvinphos	470-90-6	4.4E+01	n	5.7E+02	n					1.1E+01	n		3.1E-02	n		
				9.0E-02	O					1	0.1		Chlorimuron, Ethyl-	90982-32-4	5.7E+03	n	7.4E+04	n					1.8E+03	n		6.0E-01	n		
				1.0E-01	I	1.5E-04	A	V		1		2.8E+03	Chlorine	7782-50-5	1.8E-01	n	7.8E-01	n	1.5E-01	n	6.4E-01	n	3.0E-01	n	4.0E+03(G)	1.5E-04	n	2.0E+00	
				3.0E-02	I	2.0E-04	I	V		1			Chlorine Dioxide	10049-04-4	2.3E+03	n	3.4E+04	n	2.1E-01	n	8.8E-01	n	4.2E-01	n	8.0E+02(G)				
				3.0E-02	I					1			Chlorite (Sodium Salt)	7758-19-2	2.3E+03	n	3.5E+04	n					6.0E+02	n	1.0E+03				
						5.0E+01	I	V		1		1.2E+03	Chloro-1,1-difluoroethane, 1-	75-68-3	5.4E+04	ns	2.3E+05	nms	5.2E+04	n	2.2E+05	n	1.0E+05	n		5.2E+01	n		
		3.0E-04	I	2.0E-02	H	2.0E-02	I	V		1		7.9E+02	Chloro-1,3-butadiene, 2-	126-99-8	1.0E-02	c	4.4E-02	c	9.4E-03	c	4.1E-02	c	1.9E-02	c		9.8E-06	c		
4.6E-01	H									1	0.1		Chloro-2-methylaniline HCl, 4-	3165-93-3	1.2E+00	c	5.0E+00	c					1.7E-01	c		1.5E-04	c		
1.0E-01	P	7.7E-05	C	3.0E-03	X					1	0.1		Chloro-2-methylaniline, 4-	95-69-2	5.4E+00	c*	2.3E+01	c	3.6E-02	c	1.6E-01	c	7.0E-01	c*		4.0E-04	c*		
2.7E-01	X							V		1		1.2E+04	Chloroacetaldehyde, 2-	107-20-0	2.6E+00	c	1.2E+01	c					2.9E-01	c		5.8E-05	c		
										1	0.1		Chloroacetic Acid	79-11-8											6.0E+01(G)			1.2E-02	
						3.0E-05	I			1	0.1		Chloroacetophenone, 2-	532-27-4	4.3E+04	n	1.8E+05	nm	3.1E-02	n	1.3E-01	n							
2.0E-01	P			5.0E-04	P					1	0.1		Chloroaniline, p-	106-47-8	2.7E+00	c*	1.1E+01	c*					3.7E-01	c*		1.6E-04	c*		
				2.0E-02	I	5.0E-02	P	V		1		7.6E+02	Chlorobenzene	108-90-7	2.8E+02	n	1.3E+03	ns	5.2E+01	n	2.2E+02	n	7.8E+01	n	1.0E+02	5.3E-02	n	6.8E-02	
				1.0E-01	X					1	0.1		Chlorobenzene sulfonic acid, p-	98-66-8	6.3E+03	n	8.2E+04	n					2.0E+03	n		4.7E-01	n		
1.1E-01	C	3.1E-05	C	2.0E-02	I					1	0.1		Chlorobenzilate	510-15-6	4.9E+00	c	2.1E+01	c	9.1E-02	c	4.0E-01	c	3.1E-01	c		1.0E-03	c		
				3.0E-02	X					1	0.1		Chlorobenzoic Acid, p-	74-11-3	1.9E+03	n	2.5E+04	n					5.1E+02	n		1.3E-01	n		
		8.6E-06	C	3.0E-03	P	3.0E-01	P	V		1		2.9E+02	Chlorobenzotrifluoride, 4-	98-56-6	2.2E+00	c*	9.6E+00	c	3.3E-01	c	1.4E+00	c	6.5E-01	c*		2.3E-03	c*		
				4.0E-02	P			V		1		7.3E+02	Chlorobutane, 1-	109-69-3	3.1E+03	ns	4.7E+04	ns					6.4E+02	n		2.6E-01	n		
						5.0E+01	I	V		1		1.7E+03	Chlorodifluoromethane	75-45-6	4.9E+04	ns	2.1E+05	nms	5.2E+04	n	2.2E+05	n	1.0E+05	n		4.3E+01	n		
				2.0E-02	P			V		1		1.1E+05	Chloroethanol, 2-	107-07-3	1.6E+03	n	2.3E+04	n					4.0E+02	n		8.1E-02	n		
3.1E-02	C	2.3E-05	I	1.0E-02	I	9.8E-02	A	V		1		2.5E+03	Chloroform	67-66-3	3.2E-01	c	1.4E+00	c	1.2E-01	c	5.3E-01	c	2.2E-01	c	8.0E+01(G)	6.1E-05	c	2.2E-02	
						9.0E-02	I	V		1		1.3E+03	Chloromethane	74-87-3	1.1E+02	n	4.6E+02	n	9.4E+01	n	3.9E+02	n	1.9E+02	n		4.9E-02	n		
2.4E+00	C	6.9E-04	C					V		1		9.3E+03	Chloromethyl Methyl Ether	107-30-2	2.0E-02	c	8.9E-02	c	4.1E-03	c	1.8E-02	c	6.5E-03	c		1.4E-06	c		
3.0E-01	P			3.0E-03	P	1.0E-05	X			1	0.1		Chloronitrobenzene, o-	88-73-3	1.8E+00	c	7.7E+00	c	1.0E-02	n	4.4E-02	n	2.4E-01	c		2.2E-04	c		
6.0E-02	P			7.0E-04	P	2.0E-03	P			1	0.1		Chloronitrobenzene, p-	100-00-5	9.0E+00	c**	3.8E+01	c*	2.1E+00	n	8.8E+00	n	1.2E+00	c*		1.1E-03	c*		
				5.0E-03	I			V		1		2.7E+04	Chlorophenol, 2-	95-57-8	3.9E+02	n	5.8E+03	n					9.1E+01	n		8.9E-02	n		
						4.0E-04	C	V		1		6.2E+02	Chloropicrin	76-06-2	2.0E+00	n	8.2E+00	n	4.2E-01	n	1.8E+00	n	8.3E-01	n		2.5E-04	n		
1.7E-02	C			1.5E-02	I					1	0.1		Chlorothalonil	1897-45-6	3.2E+01	c*	1.4E+02	c*					4.0E+00	c*		9.0E-03	c*		
				2.0E-02	I			V		1		9.1E+02	Chlorotoluene, o-	95-49-8	1.6E+03	ns	2.3E+04	ns					2.4E+02	n		2.3E-01	n		
				2.0E-02	X			V		1		2.5E+02	Chlorotoluene, p-	106-43-4	1.6E+03	ns	2.3E+04	ns					2.5E+02	n		2.4E-01	n		
2.4E+02	C	6.9E-02	C							1	0.1		Chlorozotocin	54749-90-5	2.3E-03	c	9.6E-03	c	4.1E-05	c	1.8E-04	c	3.2E-04	c		7.1E-08	c		
				5.0E-03	O					1	0.1		Chlorpropham	101-21-3	3.2E+02	n	4.1E+03	n					7.1E+01	n		6.4E-02	n		
				1.0E-03	A					1	0.1		Chlorpyrifos	2921-88-2	6.3E+01	n	8.2E+02	n					8.4E+00	n		1.2E-01	n		
				1.0E-02	H					1	0.1		Chlorpyrifos Methyl	5598-13-0	6.3E+02	n	8.2E+03	n					1.2E+02	n		5.4E-01	n		
				5.0E-02	O					1	0.1		Chlorsulfuron	64902-72-3	3.2E+03	n	4.1E+04	n					9.9E+02	n		8.3E-01	n		
				1.0E-02	I					1	0.1		Chlorthal-dimethyl	1861-32-1	6.3E+02	n	8.2E+03	n					1.2E+02	n		1.5E-01	n		
				8.0E-04	H					1	0.1		Chlorthiophos	60238-56-4	5.1E+01	n	6.6E+02	n					2.8E+00	n		7.3E-02	n		

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
				1.5E+00	I					0.013			Chromium(III), Insoluble Salts	16065-83-1	1.2E+05	nm	1.8E+06	nm					2.2E+04	n		4.0E+07	n	
5.0E-01	C	8.4E-02	G	3.0E-03	I	1.0E-04	I		M	0.025			Chromium(VI)	18540-29-9	3.0E-01	c	6.3E+00	c	1.2E-05	c	1.5E-04	c	3.5E-02	c		6.7E-04	c	
										0.013			Chromium, Total	7440-47-3											1.0E+02			1.8E+05
				1.3E-02	I					1	0.1		Clofentezine	74115-24-5	8.2E+02	n	1.1E+04	n					2.3E+02	n		1.4E+01	n	
		9.0E-03	P	3.0E-04	P	6.0E-06	P			1			Cobalt	7440-48-4	2.3E+01	n	3.5E+02	n	3.1E-04	c*	1.4E-03	c*	6.0E+00	n		2.7E-01	n	
		6.2E-04	I					V	M	1			Coke Oven Emissions	E649830					1.6E-03	c	2.0E-02	c						
				4.0E-02	H					1			Copper	7440-50-8	3.1E+03	n	4.7E+04	n					8.0E+02	n	1.3E+03	2.8E+01	n	4.6E+01
				5.0E-02	I	6.0E-01	C			1	0.1		Cresol, m-	108-39-4	3.2E+03	n	4.1E+04	n	6.3E+02	n	2.6E+03	n	9.3E+02	n		7.4E-01	n	
		5.0E-02	I	6.0E-01	C					1	0.1		Cresol, o-	95-48-7	3.2E+03	n	4.1E+04	n	6.3E+02	n	2.6E+03	n	9.3E+02	n		7.5E-01	n	
		2.0E-02	P	6.0E-01	C					1	0.1		Cresol, p-	106-44-5	1.3E+03	n	1.6E+04	n	6.3E+02	n	2.6E+03	n	3.7E+02	n		3.0E-01	n	
		1.0E-01	A							1	0.1		Cresol, p-chloro-m-	59-50-7	6.3E+03	n	8.2E+04	n					1.4E+03	n		1.7E+00	n	
		1.0E-01	A	6.0E-01	C					1	0.1		Cresols	1319-77-3	6.3E+03	n	8.2E+04	n	6.3E+02	n	2.6E+03	n	1.5E+03	n		1.3E+00	n	
1.9E+00	H			1.0E-03	P			V		1		1.7E+04	Crotonaldehyde, trans-	123-73-9	3.7E-01	c	1.7E+00	c					4.0E-02	c		8.2E-06	c	
				1.0E-01	I	4.0E-01	I	V		1		2.7E+02	Cumene	98-82-8	1.9E+03	ns	9.9E+03	ns	4.2E+02	n	1.8E+03	n	4.5E+02	n		7.4E-01	n	
2.2E-01	C	6.3E-05	C							1	0.1		Cupferron	135-20-6	2.5E+00	c	1.0E+01	c	4.5E-02	c	1.9E-01	c	3.5E-01	c		6.1E-04	c	
8.4E-01	H			2.0E-03	H					1	0.1		Cyanazine	21725-46-2	6.5E-01	c	2.7E+00	c					8.8E-02	c		4.1E-05	c	
													Cyanides															
				1.0E-03	I					1			~Calcium Cyanide	592-01-8	7.8E+01	n	1.2E+03	n					2.0E+01	n				
				5.0E-03	I					1			~Copper Cyanide	544-92-3	3.9E+02	n	5.8E+03	n					1.0E+02	n				
				6.0E-04	I	8.0E-04	G	V		1		9.5E+05	~Cyanide (CN-)	57-12-5	2.3E+01	n	1.5E+02	n	8.3E-01	n	3.5E+00	n	1.5E+00	n	2.0E+02	1.5E-02	n	2.0E+00
		1.0E-03	I					V		1			~Cyanogen	460-19-5	7.8E+01	n	1.2E+03	n					2.0E+01	n				
		9.0E-02	I					V		1			~Cyanogen Bromide	506-68-3	7.0E+03	n	1.1E+05	nm					1.8E+03	n				
		5.0E-02	I					V		1			~Cyanogen Chloride	506-77-4	3.9E+03	n	5.8E+04	n					1.0E+03	n				
		6.0E-04	I	8.0E-04	I	V				1		1.0E+07	~Hydrogen Cyanide	74-90-8	2.3E+01	n	1.5E+02	n	8.3E-01	n	3.5E+00	n	1.5E+00	n		1.5E-02	n	
		2.0E-03	I							1			~Potassium Cyanide	151-50-8	1.6E+02	n	2.3E+03	n					4.0E+01	n				
		5.0E-03	I							0.04			~Potassium Silver Cyanide	506-61-6	3.9E+02	n	5.8E+03	n					8.2E+01	n				
		1.0E-01	I							0.04			~Silver Cyanide	506-64-9	7.8E+03	n	1.2E+05	nm					1.8E+03	n				
		1.0E-03	I							1			~Sodium Cyanide	143-33-9	7.8E+01	n	1.2E+03	n					2.0E+01	n	2.0E+02			
				2.0E-04	P					1			~Thiocyanates	E1790665	1.6E+01	n	2.3E+02	n					4.0E+00	n				
				2.0E-04	X			V		1			~Thiocyanic Acid	463-56-9	1.6E+01	n	2.3E+02	n					4.0E+00	n				
				5.0E-02	I					1			~Zinc Cyanide	557-21-1	3.9E+03	n	5.8E+04	n					1.0E+03	n				
						6.0E+00	I	V		1		1.2E+02	Cyclohexane	110-82-7	6.5E+03	ns	2.7E+04	ns	6.3E+03	n	2.6E+04	n	1.3E+04	n		1.3E+01	n	
2.0E-02	X			2.0E-02	X					1	0.1		Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.7E+01	c*	1.1E+02	c					2.8E+00	c		1.6E-02	c	
				5.0E+00	I	7.0E-01	P	V		1		5.1E+03	Cyclohexanone	108-94-1	2.8E+04	ns	1.3E+05	nms	7.3E+02	n	3.1E+03	n	1.4E+03	n		3.4E-01	n	
		5.0E-03	P	1.0E+00	X	V				1		2.8E+02	Cyclohexene	110-83-8	3.1E+02	ns	3.1E+03	ns	1.0E+03	n	4.4E+03	n	7.0E+01	n		4.6E-02	n	
		2.0E-01	I					V		1		2.9E+05	Cyclohexylamine	108-91-8	1.6E+04	n	2.3E+05	nm					3.8E+03	n		1.0E+00	n	
		2.5E-02	I							1	0.1		Cyfluthrin	68359-37-5	1.6E+03	n	2.1E+04	n					1.2E+02	n		3.1E+01	n	
		5.0E-01	O							1	0.1		Cyromazine	66215-27-8	3.2E+04	n	4.1E+05	nm					9.9E+03	n		2.5E+00	n	
2.4E-01	I	6.9E-05	C	5.0E-04	A					1	0.1		DDD, p,p`- (DDD)	72-54-8	2.3E+00	c*	9.6E+00	c*	4.1E-02	c	1.8E-01	c	3.2E-02	c*		7.5E-03	c*	
3.4E-01	I	9.7E-05	C	5.0E-04	A			V		1			DDE, p,p'-	72-55-9	2.0E+00	c*	9.3E+00	c*	2.9E-02	c	1.3E-01	c	4.6E-02	c		1.1E-02	c	
3.4E-01	I	9.7E-05	I	5.0E-04	I					1	0.03		DDT	50-29-3	1.9E+00	c*	8.5E+00	c*	2.9E-02	c	1.3E-01	c	2.3E-01	c*		7.7E-02	c*	
				3.0E-02	I					1	0.1		Dalapon	75-99-0	1.9E+03	n	2.5E+04	n					6.0E+02	n	2.0E+02	1.2E-01	n	4.1E-02
1.8E-02	C	5.1E-06	C	1.5E-01	I					1	0.1		Daminozide	1596-84-5	3.0E+01	c	1.3E+02	c	5.5E-01	c	2.4E+00	c	4.3E+00	c		9.5E-04	c	
7.0E-04	I			7.0E-03	I					1	0.1		Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	4.4E+02	n	3.3E+03	c**					1.1E+02	c**		6.2E+01	c**	
				4.0E-05	I					1	0.1		Demeton	8065-48-3	2.5E+00	n	3.3E+01	n					4.2E-01	n				
1.2E-03	I			6.0E-01	I					1	0.1		Di(2-ethylhexyl)adipate	103-23-1	4.5E+02	c*	1.9E+03	c					6.5E+01	c	4.0E+02	4.7E+00	c	2.9E+01
6.1E-02	H									1	0.1		Diallate	2303-16-4	8.9E+00	c	3.8E+01	c					5.4E-01	c		8.0E-04	c	
				7.0E-04	A					1	0.1		Diazinon	333-41-5	4.4E+01	n	5.7E+02	n					1.0E+01	n		6.5E-02	n	
8.0E-01	P	6.0E-03	P	2.0E-04	P	2.0E-04	I	V	M	1		9.8E+02	Dibromo-3-chloropropane, 1,2-	96-12-8	5.3E-03	c	6.4E-02	c	1.7E-04	c	2.0E-03	c	3.3E-04	c	2.0E-01	1.4E-07	c	8.6E-05
										1	0.1		Dibromoacetic acid	631-64-1											6.0E+01(G)			1.2E-02
				4.0E-04	X			V		1		1.6E+02	Dibromobenzene, 1,3-	108-36-1	3.1E+01	n	4.7E+02	ns					5.3E+00	n		5.1E-03	n	
				1.0E-02	I			V		1			Dibromobenzene, 1,4-	106-37-6	7.8E+02	n	1.2E+04	n					1.3E+02	n		1.2E-01	n	
8.4E-02	I			2.0E-02	I			V		1		8.0E+02	Dibromochloromethane	124-48-1	8.3E+00	c	3.9E+01	c					8.7E-01	c	8.0E+01(G)	2.3E-04	c	2.1E-02
2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		1		1.3E+03	Dibromoethane, 1,2-	106-93-4	3.6E-02	c	1.6E-01	c	4.7E-03	c	2.0E-02	c	7.5E-03	c	5.0E-02	2.1E-06	c	1.4E-05
						4.0E-03	X	V		1		2.8E+03	Dibromomethane (Methylene Bromide)	74-95-3	2.4E+01	n	9.9E+01	n	4.2E+00	n	1.8E+01	n	8.3E+00	n		2.1E-03	n	
				3.0E-04	P					1	0.1		Dibutyltin Compounds	E1790661	1.9E+01	n	2.5E+02	n					6.0E+00	n				
				3.0E-02	I					1	0.1		Dicamba	1918-00-9	1.9E+03	n	2.5E+04	n					5.7E+02	n		1.5E-01	n	
										1	0.1		Dichloramine	3400-09-7											4.0E+03(G)			
		4.2E-03	P					V		1		5.5E+02	Dichloro-2-butene, 1,4-	764-41-0	2.1E-03	c	9.4E-03	c	6.7E-04	c	2.9E-03	c	1.3E-03	c		6.6E-07	c	
		4.2E-03	P					V		1		5.2E+02	Dichloro-2-butene, cis-1,4-	1476-11-5	7.4E-03	c	3.2E-02	c	6.7E-04	c	2.9E-03	c	1.3E-03	c		6.2E-07	c	
		4.2E-03	P					V		1		7.6E+02	Dichloro-2-butene, trans-1,4-	110-57-6	7.4E-03	c	3.2E-02	c	6.7E-04	c	2.9E-03	c	1.3E-03	c		6.2E-07	c	
5.0E-02	I			4.0E-03	I					1	0.1		Dichloroacetic Acid	79-43-6	1.1E+01	c*	4.6E+01	c*					1.5E+00	c*	6.0E+01(G)	3.1E-04	c*	1.2E-02
				9.0E-02	I	2.0E-01	H	V		1		3.8E+02	Dichlorobenzene, 1,2-	95-50-1	1.8E+03	ns	9.3E+03	ns	2.1E+02	n	8.8E+02	n	3.0E+02	n	6.0E+02	3.0E-01	n	5.8E-01
5.4E-03	C	1.1E-05	C	7.0E-02	A	8.0E-01	I	V		1			Dichlorobenzene, 1,4-	106-46-7	2.6E+00	c	1.1E+01	c	2.6E-01	c	1.1E+00	c	4.8E-01	c	7.5E+01	4.6E-04	c	7.2E-02
4.5E-01	I	3.4E-04	C							1	0.1		Dichlorobenzidine, 3,3'-	91-94-1	1.2E+00	c	5.1E+00	c	8.3E-03	c	3.6E-02	c	1.3E-01	c		8.2E-04	c	
				9.0E-03	X					1	0.1		Dichlorobenzophenone, 4,4'-	90-98-2	5.7E+02	n	7.4E+03	n					7.8E+01	n		4.7E-01	n	
				2.0E-01	I	1.0E-01	X	V		1		8.5E+02	Dichlorodifluoromethane	75-71-8	8.7E+01	n	3.7E+02	n	1.0E+02	n	4.4E+02	n	2.0E+02	n		3.0E-01	n	
5.7E-03	C	1.6E-06	C	2.0E-01	P			V		1		1.7E+03	Dichloroethane, 1,1-	75-34-3	3.6E+00	c	1.6E+01	c	1.8E+00	c	7.7E+00	c	2.8E+00	c		7.8E-04	c	
9.1E-02	I	2.6E-05	I	6.0E-03	X	7.0E-03	P	V		1		3.0E+03	Dichloroethane, 1,2-	107-06-2	4.6E-01	c*	2.0E+00	c*	1.1E-01	c*	4.7E-01	c*	1.7E-01	c*	5.0E+00	4.8E-05	c*	1.4E-03
				5.0E-02	I	2.0E-01	I	V		1		1.2E+03	Dichloroethylene, 1,1-	75-35-4	2.3E+02	n	1.0E+03	n	2.1E+02	n	8.8E+02	n	2.8E+02	n	7.0E+00	1.0E-01	n	2.5E-03
				2.0E-03	I	4.0E-02	X	V		1		2.4E+03	Dichloroethylene, cis-1,2-	156-59-2	6.3E+01	n	3.7E+02	n	4.2E+01	n	1.8E+02	n	2.5E+01	n	7.0E+01	7.4E-03	n	2.1E-02
		2.0E-02	I	4.0E-02	X	V				1		1.9E+03	Dichloroethylene, trans-1,2-	156-60-5	7.0E+01	n	3.0E+02	n	4.2E+01	n	1.8E+02	n	6.8E+01	n	1.0E+02	2.1E-02	n	3.1E-02
		3.0E-03	I							1	0.1		Dichlorophenol, 2,4-	120-83-2	1.9E+02	n	2.5E+03	n					4.6E+01	n		2.3E-02	n	
		1.0E-02	I							1	0.05		Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	7.0E+02	n	9.6E+03	n					1.7E+02	n	7.0E+01	4.5E-02	n	1.8E-02
3.7E-02	P	3.7E-06	P	4.0E-02	P	4.0E-03	I	V		1		1.4E+03	Dichloropropane, 1,2-	78-87-5	2.5E+00	c**	1.1E+01	c**	7.6E-01	c**	3.3E+00	c**	8.5E-01	c**	5.0E+00	2.8E-04	c**	1.7E-03
				2.0E-02	P			V		1		1.5E+03	Dichloropropane, 1,3-	142-28-9	1.6E+03	ns	2.3E+04	ns					3.7E+02	n		1.3E-01	n	
				3.0E-03	I					1	0.1		Dichloropropanol, 2,3-	616-23-9	1.9E+02	n	2.5E+03	n					5.9E+01	n		1.3E-02	n	
1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		1		1.6E+03	Dichloropropene, 1,3-	542-75-6	1.8E+00	c*	8.2E+00	c*	7.0E-01	c*	3.1E+00	c*	4.7E-01	c*		1.7E-04	c*	
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			1	0.1		Dichlorvos	62-73-7	1.9E+00	c*	7.9E+00	c*	3.4E-02	c*	1.5E-01	c*	2.6E-01	c*		8.1E-05	c*	

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
				3.0E-05	O					1	0.1		Dicrotophos	141-66-2	1.9E+00	n	2.5E+01	n					6.0E-01	n		1.4E-04	n	
				8.0E-02	P	3.0E-04	X	V		1		2.6E+02	Dicyclopentadiene	77-73-6	1.3E+00	n	5.4E+00	n	3.1E-01	n	1.3E+00	n	6.3E-01	n		2.2E-03	n	
1.6E+01	I	4.6E-03	I	5.0E-05	I					1	0.1		Dieldrin	60-57-1	3.4E-02	c*	1.4E-01	c	6.1E-04	c	2.7E-03	c	1.8E-03	c		7.1E-05	c	
		3.0E-04	C			5.0E-03	I			1	0.1		Diesel Engine Exhaust	E17136615					9.4E-03	c	4.1E-02	c						
				2.0E-03	P	2.0E-04	P			1	0.1		Diethanolamine	111-42-2	1.3E+02	n	1.6E+03	n	2.1E-01	n	8.8E-01	n	4.0E+01	n		8.1E-03	n	
				3.0E-02	P	1.0E-04	P			1	0.1		Diethylene Glycol Monobutyl Ether	112-34-5	1.9E+03	n	2.4E+04	n	1.0E-01	n	4.4E-01	n	6.0E+02	n		1.3E-01	n	
				6.0E-02	P	3.0E-04	P			1	0.1		Diethylene Glycol Monoethyl Ether	111-90-0	3.8E+03	n	4.8E+04	n	3.1E-01	n	1.3E+00	n	1.2E+03	n		2.4E-01	n	
				1.0E-03	P			V		1		1.1E+05	Diethylformamide	617-84-5	7.8E+01	n	1.2E+03	n					2.0E+01	n		4.1E-03	n	
3.5E+02	C	1.0E-01	C							1	0.1		Diethylstilbestrol	56-53-1	1.6E-03	c	6.6E-03	c	2.8E-05	c	1.2E-04	c	5.1E-05	c		2.8E-05	c	
				8.3E-02	O					1	0.1		Difenzoquat	43222-48-6	5.2E+03	n	6.8E+04	n					1.7E+03	n		2.6E+02	n	
				2.0E-02	I					1	0.1		Diflubenzuron	35367-38-5	1.3E+03	n	1.6E+04	n					2.9E+02	n		3.3E-01	n	
						4.0E+01	I	V		1		1.4E+03	Difluoroethane, 1,1-	75-37-6	4.8E+04	ns	2.0E+05	nms	4.2E+04	n	1.8E+05	n	8.3E+04	n		2.8E+01	n	
						3.0E+01	X	V		1		6.9E+02	Difluoropropane, 2,2-	420-45-1	2.4E+04	ns	1.0E+05	ns	3.1E+04	n	1.3E+05	n	6.3E+04	n		1.4E+02	n	
4.4E-02	C	1.3E-05	C					V		1			Dihydrosafrole	94-58-6	9.9E+00	c	4.5E+01	c	2.2E-01	c	9.4E-01	c	3.0E-01	c		1.9E-04	c	
						7.0E-01	P	V		1		2.3E+03	Diisopropyl Ether	108-20-3	2.2E+03	n	9.4E+03	ns	7.3E+02	n	3.1E+03	n	1.5E+03	n		3.7E-01	n	
				8.0E-02	I			V		1		5.3E+02	Diisopropyl Methylphosphonate	1445-75-6	6.3E+03	ns	9.3E+04	ns					1.6E+03	n		4.5E-01	n	
				2.2E-02	O					1	0.1		Dimethipin	55290-64-7	1.4E+03	n	1.8E+04	n					4.4E+02	n		9.6E-02	n	
				2.2E-03	O					1	0.1		Dimethoate	60-51-5	1.4E+02	n	1.8E+03	n					4.4E+01	n		9.9E-03	n	
1.6E+00	P									1	0.1		Dimethoxybenzidine, 3,3'-	119-90-4	3.4E-01	c	1.4E+00	c					4.7E-02	c		5.8E-05	c	
1.7E-03	P			6.0E-02	P					1	0.1		Dimethyl methylphosphonate	756-79-6	3.2E+02	c*	1.4E+03	c*					4.6E+01	c*		9.6E-03	c*	
4.6E+00	C	1.3E-03	C							1	0.1		Dimethylamino azobenzene [p-]	60-11-7	1.2E-01	c	5.0E-01	c	2.2E-03	c	9.4E-03	c	5.0E-03	c		2.1E-05	c	
5.8E-01	H									1	0.1		Dimethylaniline HCl, 2,4-	21436-96-4	9.4E-01	c	4.0E+00	c					1.3E-01	c		1.2E-04	c	
2.0E-01	P			2.0E-03	X					1	0.1		Dimethylaniline, 2,4-	95-68-1	2.7E+00	c*	1.1E+01	c					3.7E-01	c		2.1E-04	c	
2.7E-02	P			2.0E-03	I			V		1		8.3E+02	Dimethylaniline, N,N-	121-69-7	2.6E+01	c**	1.2E+02	c*					2.5E+00	c*		9.0E-04	c*	
1.1E+01	P									1	0.1		Dimethylbenzidine, 3,3'-	119-93-7	4.9E-02	c	2.1E-01	c					6.5E-03	c		4.3E-05	c	
				1.0E-01	P	3.0E-02	I	V		1		1.1E+05	Dimethylformamide	68-12-2	2.6E+03	n	1.5E+04	n	3.1E+01	n	1.3E+02	n	6.1E+01	n		1.2E-02	n	
				1.0E-04	X	2.0E-06	X	V		1		1.7E+05	Dimethylhydrazine, 1,1-	57-14-7	5.7E-02	n	2.4E-01	n	2.1E-03	n	8.8E-03	n	4.2E-03	n		9.3E-07	n	
5.5E+02	C	1.6E-01	C					V		1		1.9E+05	Dimethylhydrazine, 1,2-	540-73-8	8.8E-04	c	4.1E-03	c	1.8E-05	c	7.7E-05	c	2.8E-05	c		6.5E-09	c	
				2.0E-02	I					1	0.1		Dimethylphenol, 2,4-	105-67-9	1.3E+03	n	1.6E+04	n					3.6E+02	n		4.2E-01	n	
				6.0E-04	I					1	0.1		Dimethylphenol, 2,6-	576-26-1	3.8E+01	n	4.9E+02	n					1.1E+01	n		1.3E-02	n	
				1.0E-03	I					1	0.1		Dimethylphenol, 3,4-	95-65-8	6.3E+01	n	8.2E+02	n					1.8E+01	n		2.1E-02	n	
4.5E-02	C	1.3E-05	C					V		1		4.7E+02	Dimethylvinylchloride	513-37-1	1.1E+00	c	4.8E+00	c	2.2E-01	c	9.4E-01	c	3.3E-01	c		1.1E-04	c	
				8.0E-05	X					1	0.1		Dinitro-o-cresol, 4,6-	534-52-1	5.1E+00	n	6.6E+01	n					1.5E+00	n		2.6E-03	n	
				2.0E-03	I					1	0.1		Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	1.3E+02	n	1.6E+03	n					2.3E+01	n		7.7E-01	n	
				4.0E-04	X	2.0E-03	X			1	0.1		Dinitroaniline, 3,5-	618-87-1	2.5E+01	n	3.3E+02	n	2.1E+00	n	8.8E+00	n	7.7E+00	n		4.1E-03	n	
				1.0E-04	P					1	0.1		Dinitrobenzene, 1,2-	528-29-0	6.3E+00	n	8.2E+01	n					1.9E+00	n		1.8E-03	n	
				1.0E-04	I					1	0.1		Dinitrobenzene, 1,3-	99-65-0	6.3E+00	n	8.2E+01	n					2.0E+00	n		1.8E-03	n	
				1.0E-04	P					1	0.1		Dinitrobenzene, 1,4-	100-25-4	6.3E+00	n	8.2E+01	n					2.0E+00	n		1.8E-03	n	
				2.0E-03	I					1	0.1		Dinitrophenol, 2,4-	51-28-5	1.3E+02	n	1.6E+03	n					3.9E+01	n		4.4E-02	n	
6.8E-01	I									1	0.1		Dinitrotoluene Mixture, 2,4/2,6-	E1615210	8.0E-01	c	3.4E+00	c					1.1E-01	c		1.5E-04	c	
3.1E-01	C	8.9E-05	C	2.0E-03	I					1	0.102		Dinitrotoluene, 2,4-	121-14-2	1.7E+00	c*	7.4E+00	c	3.2E-02	c	1.4E-01	c	2.4E-01	c		3.2E-04	c	
1.5E+00	P			3.0E-04	X					1	0.099		Dinitrotoluene, 2,6-	606-20-2	3.6E-01	c*	1.5E+00	c					4.9E-02	c		6.7E-05	c	
				1.0E-04	X					1	0.006		Dinitrotoluene, 2-Amino-4,6-	35572-78-2	7.7E+00	n	1.1E+02	n					1.9E+00	n		1.5E-03	n	
				1.0E-04	X					1	0.009		Dinitrotoluene, 4-Amino-2,6-	19406-51-0	7.7E+00	n	1.1E+02	n					1.9E+00	n		1.5E-03	n	
4.5E-01	X			9.0E-04	X					1	0.1		Dinitrotoluene, Technical grade	25321-14-6	1.2E+00	c*	5.1E+00	c					1.0E-01	c		1.4E-04	c	
				1.0E-03	I					1	0.1		Dinoseb	88-85-7	6.3E+01	n	8.2E+02	n					1.5E+01	n	7.0E+00	1.3E-01	n	6.2E-02
1.0E-01	I	5.0E-06	I	3.0E-02	I	3.0E-02	I	V		1		1.2E+05	Dioxane, 1,4-	123-91-1	5.3E+00	c	2.4E+01	c	5.6E-01	c*	2.5E+00	c*	4.6E-01	c		9.4E-05	c	
													Dioxins																
6.2E+03	I	1.3E+00	I							1	0.03		~Hexachlorodibenzo-p-dioxin, Mixture	34465-46-8	1.0E-04	c	4.7E-04	c	2.2E-06	c	9.4E-06	c	1.3E-05	c		1.7E-05	c	
1.3E+05	C	3.8E+01	C	7.0E-10	I	4.0E-08	C	V		1	0.03		~TCDD, 2,3,7,8-	1746-01-6	4.8E-06	c*	2.2E-05	c*	7.4E-08	c	3.2E-07	c	1.2E-07	c	3.0E-05	5.9E-08	c	1.5E-05
				3.0E-02	I					1	0.1		Diphenamid	957-51-7	1.9E+03	n	2.5E+04	n					5.3E+02	n		5.2E+00	n	
						4.0E-04	X	V		1			Diphenyl Ether	101-84-8	3.4E+01	n	1.4E+02	n	4.2E-01	n	1.8E+00	n	8.3E-01	n		3.4E-03	n	
				8.0E-04	X					1	0.1		Diphenyl Sulfone	127-63-9	5.1E+01	n	6.6E+02	n					1.5E+01	n		3.6E-02	n	
				1.0E-01	O					1	0.1		Diphenylamine	122-39-4	6.3E+03	n	8.2E+04	n					1.3E+03	n		2.3E+00	n	
8.0E-01	I	2.2E-04	I							1	0.1		Diphenylhydrazine, 1,2-	122-66-7	6.8E-01	c	2.9E+00	c	1.3E-02	c	5.6E-02	c	7.8E-02	c		2.5E-04	c	
				2.2E-03	I					1	0.1		Diquat	2764-72-9	1.4E+02	n	1.8E+03	n					4.0E+01	n	2.0E+01	3.3E-01	n	1.7E-01
7.4E+00	C	2.1E-03	C							1	0.1		Direct Black 38	1937-37-7	7.3E-02	c	3.1E-01	c	1.3E-03	c	5.8E-03	c	1.1E-02	c		5.1E+00	c	
7.4E+00	C	2.1E-03	C							1	0.1		Direct Blue 6	2602-46-2	7.3E-02	c	3.1E-01	c	1.3E-03	c	5.8E-03	c	1.1E-02	c		1.7E+01	c	
6.7E+00	C	1.9E-03	C							1	0.1		Direct Brown 95	16071-86-6	8.1E-02	c	3.4E-01	c	1.5E-03	c	6.5E-03	c	1.2E-02	c		1.6E-01	c	
				4.0E-05	I					1	0.1		Disulfoton	298-04-4	2.5E+00	n	3.3E+01	n					5.0E-01	n		9.4E-04	n	
				1.0E-02	I			V		1			Dithiane, 1,4-	505-29-3	7.8E+02	n	1.2E+04	n					2.0E+02	n		9.7E-02	n	
				2.0E-03	I					1	0.1		Diuron	330-54-1	1.3E+02	n	1.6E+03	n					3.6E+01	n		1.5E-02	n	
				2.0E-02	O					1	0.1		Dodine	2439-10-3	1.3E+03	n	1.6E+04	n					4.0E+02	n		2.1E+00	n	
				5.0E-02	O			V		1			EPTC	759-94-4	3.9E+03	n	5.8E+04	n					7.5E+02	n		4.0E-01	n	
				6.0E-03	I			V		1			Endosulfan	115-29-7	4.7E+02	n	7.0E+03	n					1.0E+02	n		1.4E+00	n	
				6.0E-03	P					1	0.1		Endosulfan Sulfate	1031-07-8	3.8E+02	n	4.9E+03	n					1.1E+02	n		2.1E+00	n	
				2.0E-02	I					1	0.1		Endothall	145-73-3	1.3E+03	n	1.6E+04	n					3.8E+02	n	1.0E+02	9.1E-02	n	2.4E-02
				3.0E-04	I					1	0.1		Endrin	72-20-8	1.9E+01	n	2.5E+02	n					2.3E+00	n	2.0E+00	9.2E-02	n	8.1E-02
9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V		1		1.1E+04	Epichlorohydrin	106-89-8	1.9E+01	n	8.2E+01	n	1.0E+00	n	4.4E+00	n	2.0E+00	n		4.5E-04	n	
						2.0E-02	I	V		1		1.5E+04	Epoxybutane, 1,2-	106-88-7	1.6E+02	n	6.7E+02	n	2.1E+01	n	8.8E+01	n	4.2E+01	n		9.2E-03	n	
				4.0E-02	P					1	0.1		Ethanol, 2-(2-methoxyethoxy)-	111-77-3	2.5E+03	n	3.3E+04	n					8.0E+02	n		1.6E-01	n	
				5.0E-03	I					1	0.1		Ethephon	16672-87-0	3.2E+02	n	4.1E+03	n					1.0E+02	n		2.1E-02	n	
				5.0E-04	I					1	0.1		Ethion	563-12-2	3.2E+01	n	4.1E+02	n					4.3E+00	n		8.5E-03	n	
				1.0E-01	P	6.0E-02	P	V		1		2.4E+04	Ethoxyethanol Acetate, 2-	111-15-9	2.6E+03	n	1.4E+04	n	6.3E+01	n	2.6E+02	n	1.2E+02	n		2.5E-02	n	
				9.0E-02	P	4.0E-02	P	V		1		1.1E+05	Ethoxyethanol, 2-	110-80-5	2.6E+03	n	1.5E+04	n	4.2E+01	n	1.8E+02	n	8.0E+01	n		1.6E-02	n	
				7.0E-01	P	7.0E-02	P	V		1		1.1E+04	Ethyl Acetate	141-78-6	6.2E+02	n	2.6E+03	n	7.3E+01	n	3.1E+02	n	1.4E+02	n		3.1E-02	n	
				5.0E-03	P	8.0E-03	P	V		1		2.5E+03	Ethyl Acrylate	140-88-5	4.7E+01	n	2.1E+02	n	8.3E+00	n	3.5E+01	n	1.4E+01	n		3.2E-03	n	
						4.0E+00	P	V		1		2.1E+03	Ethyl Chloride (Chloroethane)	75-00-3	5.4E+03	ns	2.3E+04	ns	4.2E+03	n	1.8E+04	n	8.3E+03	n		2.4E+00	n	
				2.0E-01	I			V		1		1.0E+04	Ethyl Ether	60-29-7	1.6E+04	ns	2.3E+05	nms					3.9E+03	n		8.8E-01	n	

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
						3.0E-01	P	V		1		1.1E+03	Ethyl Methacrylate	97-63-2	1.8E+03	ns	7.6E+03	ns	3.1E+02	n	1.3E+03	n	6.3E+02	n		1.5E-01	n	
		8.0E-08	I	1.0E+00	I	4.0E+01	I	V		1		2.9E+03	Ethyl Tertiary Butyl Ether (ETBE)	637-92-3	1.3E+02	c	5.6E+02	c	3.5E+01	c	1.5E+02	c	7.0E+01	c		1.7E-02	c	
				1.0E-05	I					1	0.1		Ethyl-p-nitrophenyl Phosphonate	2104-64-5	6.3E-01	n	8.2E+00	n					8.9E-02	n		2.8E-03	n	
1.1E-02	C	2.5E-06	C	5.0E-02	P	1.0E+00	I	V		1		4.8E+02	Ethylbenzene	100-41-4	5.8E+00	c	2.5E+01	c	1.1E+00	c	4.9E+00	c	1.5E+00	c	7.0E+02	1.7E-03	c	7.8E-01
				7.0E-02	P					1	0.1		Ethylene Cyanohydrin	109-78-4	4.4E+03	n	5.7E+04	n					1.4E+03	n		2.8E-01	n	
				9.0E-02	P			V		1		1.9E+05	Ethylene Diamine	107-15-3	7.0E+03	n	1.1E+05	nm					1.8E+03	n		4.1E-01	n	
				8.0E-01	A	4.0E-01	C			1	0.1		Ethylene Glycol	107-21-1	5.1E+04	n	6.6E+05	nm	4.2E+02	n	1.8E+03	n	1.6E+04	n		3.2E+00	n	
				1.0E-01	I	1.6E+00	I			1	0.1		Ethylene Glycol Monobutyl Ether	111-76-2	6.3E+03	n	8.2E+04	n	1.7E+03	n	7.0E+03	n	2.0E+03	n		4.1E-01	n	
3.1E-01	C	3.0E-03	I			3.0E-02	C	V	M	1		1.2E+05	Ethylene Oxide	75-21-8	2.0E-03	c	2.5E-02	c	3.4E-04	c	4.1E-03	c	6.7E-04	c		1.4E-07	c	
4.5E-02	C	1.3E-05	C	8.0E-05	I					1	0.1		Ethylene Thiourea	96-45-7	5.1E+00	n	5.1E+01	c**	2.2E-01	c	9.4E-01	c	1.6E+00	n		3.6E-04	n	
6.5E+01	C	1.9E-02	C					V		1		1.5E+05	Ethyleneimine	151-56-4	2.7E-03	c	1.2E-02	c	1.5E-04	c	6.5E-04	c	2.4E-04	c		5.2E-08	c	
				3.0E+00	I					1	0.1		Ethylphthalyl Ethyl Glycolate	84-72-0	1.9E+05	nm	2.5E+06	nm					5.8E+04	n		1.3E+02	n	
				2.5E-04	I					1	0.1		Fenamiphos	22224-92-6	1.6E+01	n	2.1E+02	n					4.4E+00	n		4.3E-03	n	
				2.5E-02	I					1	0.1		Fenpropathrin	39515-41-8	1.6E+03	n	2.1E+04	n					6.4E+01	n		2.9E+00	n	
				2.5E-02	I					1	0.1		Fenvalerate	51630-58-1	1.6E+03	n	2.1E+04	n					5.0E+02	n		3.2E+02	n	
				1.3E-02	I					1	0.1		Fluometuron	2164-17-2	8.2E+02	n	1.1E+04	n					2.4E+02	n		1.9E-01	n	
				4.0E-02	C	1.3E-02	C			1			Fluoride	16984-48-8	3.1E+03	n	4.7E+04	n	1.4E+01	n	5.7E+01	n	8.0E+02	n	4.0E+03	1.2E+02	n	6.0E+02
				6.0E-02	I	1.3E-02	C			1			Fluorine (Soluble Fluoride)	7782-41-4	4.7E+03	n	7.0E+04	n	1.4E+01	n	5.7E+01	n	1.2E+03	n	4.0E+03	1.8E+02	n	6.0E+02
				8.0E-02	I					1	0.1		Fluridone	59756-60-4	5.1E+03	n	6.6E+04	n					1.4E+03	n		1.6E+02	n	
				4.0E-02	O					1	0.1		Flurprimidol	56425-91-3	2.5E+03	n	3.3E+04	n					6.9E+02	n		3.1E+00	n	
				2.0E-03	O					1	0.1		Flusilazole	85509-19-9	1.3E+02	n	1.6E+03	n					3.1E+01	n		5.1E+00	n	
				5.0E-01	O					1	0.1		Flutolanil	66332-96-5	3.2E+04	n	4.1E+05	nm					7.9E+03	n		4.2E+01	n	
				1.0E-02	I					1	0.1		Fluvalinate	69409-94-5	6.3E+02	n	8.2E+03	n					2.0E+02	n		2.9E+02	n	
				9.0E-02	O					1	0.1		Folpet	133-07-3	5.7E+03	n	7.4E+04	n					1.6E+03	n		3.9E-01	n	
				1.0E-02	O					1	0.1		Fomesafen	72178-02-0	6.3E+02	n	8.2E+03	n					1.9E+02	n		6.3E-01	n	
				2.0E-03	I					1	0.1		Fonofos	944-22-9	1.3E+02	n	1.6E+03	n					2.4E+01	n		4.7E-02	n	
2.1E-02	C	1.3E-05	I	2.0E-01	I	9.8E-03	A	V		1		4.2E+04	Formaldehyde	50-00-0	1.1E+01	c*	5.0E+01	c*	2.2E-01	c*	9.4E-01	c*	3.9E-01	c*		7.8E-05	c*	
				9.0E-01	P	3.0E-04	X	V		1		1.1E+05	Formic Acid	64-18-6	2.9E+01	n	1.2E+02	n	3.1E-01	n	1.3E+00	n	6.3E-01	n		1.3E-04	n	
				2.5E+00	O					1	0.1		Fosetyl-AL	39148-24-8	1.6E+05	nm	2.1E+06	nm					5.0E+04	n		6.6E+02	n	
													Furans																
				1.0E-03	X			V		1			~Dibenzofuran	132-64-9	7.8E+01	n	1.2E+03	n					7.9E+00	n		1.5E-01	n	
				1.0E-03	I			V		1		6.2E+03	~Furan	110-00-9	7.8E+01	n	1.2E+03	n					1.9E+01	n		7.3E-03	n	
				9.0E-01	I	2.0E+00	I	V		1		1.7E+05	~Tetrahydrofuran	109-99-9	1.8E+04	n	9.5E+04	n	2.1E+03	n	8.8E+03	n	3.4E+03	n		7.5E-01	n	
3.8E+00	H									1	0.1		Furazolidone	67-45-8	1.4E-01	c	6.0E-01	c					2.0E-02	c		3.9E-05	c	
				3.0E-03	I	5.0E-02	H	V		1		1.0E+04	Furfural	98-01-1	2.1E+02	n	2.6E+03	n	5.2E+01	n	2.2E+02	n	3.8E+01	n		8.1E-03	n	
1.5E+00	C	4.3E-04	C							1	0.1		Furium	531-82-8	3.6E-01	c	1.5E+00	c	6.5E-03	c	2.9E-02	c	5.1E-02	c		6.8E-05	c	
3.0E-02	I	8.6E-06	C							1	0.1		Furmecyclox	60568-05-0	1.8E+01	c	7.7E+01	c	3.3E-01	c	1.4E+00	c	1.1E+00	c		1.2E-03	c	
				6.0E-03	O					1	0.1		Glufosinate, Ammonium	77182-82-2	3.8E+02	n	4.9E+03	n					1.2E+02	n		2.6E-02	n	
				1.0E-01	A	8.0E-05	C			1	0.1		Glutaraldehyde	111-30-8	6.0E+03	n	7.0E+04	n	8.3E-02	n	3.5E-01	n	2.0E+03	n		4.0E-01	n	
				4.0E-04	I	1.0E-03	X	V		1		1.1E+05	Glycidaldehyde	765-34-4	2.3E+01	n	2.1E+02	n	1.0E+00	n	4.4E+00	n	1.7E+00	n		3.3E-04	n	
				1.0E-01	I					1	0.1		Glyphosate	1071-83-6	6.3E+03	n	8.2E+04	n					2.0E+03	n	7.0E+02	8.8E+00	n	3.1E+00
				1.0E-02	X			V		1			Guanidine	113-00-8	7.8E+02	n	1.2E+04	n					2.0E+02	n		4.5E-02	n	
				2.0E-02	P					1	0.1		Guanidine Chloride	50-01-1	1.3E+03	n	1.6E+04	n					4.0E+02	n				
				3.0E-02	X					1	0.1		Guanidine Nitrate	506-93-4	1.9E+03	n	2.5E+04	n					6.0E+02	n		1.5E-01	n	
				5.0E-05	I					1	0.1		Haloxyfop, Methyl	69806-40-2	3.2E+00	n	4.1E+01	n					7.6E-01	n		8.4E-03	n	
4.5E+00	I	1.3E-03	I	1.0E-04	A			V		1			Heptachlor	76-44-8	1.3E-01	c*	6.3E-01	c	2.2E-03	c	9.4E-03	c	1.4E-03	c	4.0E-01	1.2E-04	c	3.3E-02
9.1E+00	I	2.6E-03	I	1.3E-05	I			V		1			Heptachlor Epoxide	1024-57-3	7.0E-02	c*	3.3E-01	c*	1.1E-03	c	4.7E-03	c	1.4E-03	c*	2.0E-01	2.8E-05	c*	4.1E-03
						3.0E-03	X	V		1		2.1E+02	Heptanal, n-	111-71-7	2.4E+01	n	1.0E+02	n	3.1E+00	n	1.3E+01	n	6.3E+00	n		1.4E-03	n	
				3.0E-04	X	4.0E-01	P	V		1		5.8E+01	Heptane, N-	142-82-5	2.2E+01	n	2.9E+02	ns	4.2E+02	n	1.8E+03	n	6.0E+00	n		4.8E-02	n	
				2.0E-03	I			V		1			Hexabromobenzene	87-82-1	1.6E+02	n	2.3E+03	n					4.0E+01	n		2.3E-01	n	
				2.0E-04	I					1	0.1		Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	1.3E+01	n	1.6E+02	n					4.0E+00	n				
1.6E+00	I	4.6E-04	I	1.0E-05	P			V		1			Hexachlorobenzene	118-74-1	2.1E-01	c**	9.6E-01	c*	6.1E-03	c	2.7E-02	c	9.8E-03	c*	1.0E+00	1.2E-04	c*	1.3E-02
7.8E-02	I	2.2E-05	I	1.0E-03	P			V		1		1.7E+01	Hexachlorobutadiene	87-68-3	1.2E+00	c*	5.3E+00	c	1.3E-01	c	5.6E-01	c	1.4E-01	c*		2.7E-04	c*	
6.3E+00	I	1.8E-03	I	8.0E-03	A					1	0.1		Hexachlorocyclohexane, Alpha-	319-84-6	8.6E-02	c	3.6E-01	c	1.6E-03	c	6.8E-03	c	7.2E-03	c		4.2E-05	c	
1.8E+00	I	5.3E-04	I							1	0.1		Hexachlorocyclohexane, Beta-	319-85-7	3.0E-01	c	1.3E+00	c	5.3E-03	c	2.3E-02	c	2.5E-02	c		1.5E-04	c	
1.1E+00	C	3.1E-04	C	1.0E-05	A					1	0.04		Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	5.7E-01	c**	2.5E+00	c**	9.1E-03	c	4.0E-02	c	4.2E-02	c**	2.0E-01	2.4E-04	c**	1.2E-03
1.8E+00	I	5.1E-04	I							1	0.1		Hexachlorocyclohexane, Technical	608-73-1	3.0E-01	c	1.3E+00	c	5.5E-03	c	2.4E-02	c	2.5E-02	c		1.5E-04	c	
				6.0E-03	I	2.0E-04	I	V		1		1.6E+01	Hexachlorocyclopentadiene	77-47-4	1.8E+00	n	7.5E+00	n	2.1E-01	n	8.8E-01	n	4.1E-01	n	5.0E+01	1.3E-03	n	1.6E-01
4.0E-02	I	1.1E-05	C	7.0E-04	I	3.0E-02	I	V		1			Hexachloroethane	67-72-1	1.8E+00	c*	8.0E+00	c*	2.6E-01	c	1.1E+00	c	3.3E-01	c*		2.0E-04	c*	
				3.0E-04	I					1	0.1		Hexachlorophene	70-30-4	1.9E+01	n	2.5E+02	n					6.0E+00	n		8.0E+00	n	
8.0E-02	I			4.0E-03	I					1	0.015		Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	8.3E+00	c*	3.8E+01	c					9.7E-01	c*		3.7E-04	c*	
						1.0E-05	I	V		1		3.4E+03	Hexamethylene Diisocyanate, 1,6-	822-06-0	3.1E+00	n	1.3E+01	n	1.0E-02	n	4.4E-02	n	2.1E-02	n		2.1E-04	n	
						4.0E-04	C			1	0.1		Hexamethylene diisocyanate biuret	4035-89-6	5.7E+05	nm	2.4E+06	nm	4.2E-01	n	1.8E+00	n							
						4.0E-04	C			1	0.1		Hexamethylene diisocyanate isocyanurate	3779-63-3	5.7E+05	nm	2.4E+06	nm	4.2E-01	n	1.8E+00	n							
				4.0E-04	P					1	0.1		Hexamethylphosphoramide	680-31-9	2.5E+01	n	3.3E+02	n					8.0E+00	n		1.8E-03	n	
		2.0E-07	X			6.0E-01	P	V		1		1.4E+02	Hexane, Commercial	E5241997	1.2E+01	c*	5.1E+01	c*	1.4E+01	c*	6.1E+01	c*	2.8E+01	c*		2.0E-01	c*	
						7.0E-01	I	V		1		1.4E+02	Hexane, N-	110-54-3	6.1E+02	ns	2.5E+03	ns	7.3E+02	n	3.1E+03	n	1.5E+03	n		1.0E+01	n	
				2.0E+00	P					1	0.1		Hexanedioic Acid	124-04-9	1.3E+05	nm	1.6E+06	nm					4.0E+04	n		9.9E+00	n	
9.5E-03	P			7.0E-02	P	4.0E-04	P	V		1		2.7E+02	Hexanol, 1-,2-ethyl- (2-Ethyl-1-hexanol)	104-76-7	1.5E+01	n	6.3E+01	n	4.2E-01	n	1.8E+00	n	8.3E-01	n		2.3E-04	n	
				5.0E-03	I	3.0E-02	I	V		1		3.3E+03	Hexanone, 2-	591-78-6	2.0E+02	n	1.3E+03	n	3.1E+01	n	1.3E+02	n	3.8E+01	n		8.8E-03	n	
				3.3E-02	I					1	0.1		Hexazinone	51235-04-2	2.1E+03	n	2.7E+04	n					6.4E+02	n		3.0E-01	n	
				2.5E-02	I					1	0.1		Hexythiazox	78587-05-0	1.6E+03	n	2.1E+04	n					1.1E+02	n		5.0E-01	n	
				1.7E-02	O					1	0.1		Hydramethylnon	67485-29-4	1.1E+03	n	1.4E+04	n					3.4E+02	n		1.2E+05	n	
3.0E+00	I	4.9E-03	I			3.0E-05	P	V		1		1.1E+05	Hydrazine	302-01-2	3.2E-02	c*	1.4E-01	c*	5.7E-04	c*	2.5E-03	c*	1.1E-03	c*		2.2E-07	c*	
3.0E+00	I	4.9E-03	I							1			Hydrazine Sulfate	10034-93-2	2.3E-01	c	1.1E+00	c	5.7E-04	c	2.5E-03	c	2.6E-02	c				
						2.0E-02	I	V		1			Hydrogen Chloride	7647-01-0	2.8E+07	nm	1.2E+08	nm	2.1E+01	n	8.8E+01	n	4.2E+01	n				
				4.0E-02	C	1.4E-02	C	V		1			Hydrogen Fluoride	7664-39-3	3.1E+03	n	4.7E+04	n	1.5E+01	n	6.1E+01	n	2.8E+01	n				
						2.0E-03	I	V		1			Hydrogen Sulfide	7783-06-4	2.8E+06	nm	1.2E+07	nm	2.1E+00	n	8.8E+00	n	4.2E+00	n				
6.0E-02	P			4.0E-02	P					1	0.1		Hydroquinone	123-31-9	9.0E+00	c	3.8E+01	c					1.3E+00	c		8.7E-04	c	

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
6.1E-02	O			1.1E-01	O					1	0.1		Imazalil	35554-44-0	8.9E+00	c	3.8E+01	c					9.0E-01	c		1.5E-02	c	
				2.5E-01	I					1	0.1		Imazaquin	81335-37-7	1.6E+04	n	2.1E+05	nm					4.9E+03	n		2.4E+01	n	
				2.5E+00	O					1	0.1		Imazethapyr	81335-77-5	1.6E+05	nm	2.1E+06	nm					4.7E+04	n		4.1E+01	n	
				1.0E-02	A					1			Iodine	7553-56-2	7.8E+02	n	1.2E+04	n					2.0E+02	n		1.2E+01	n	
				4.0E-02	I					1	0.1		Iprodione	36734-19-7	2.5E+03	n	3.3E+04	n					7.4E+02	n		2.2E-01	n	
				7.0E-01	P					1			Iron	7439-89-6	5.5E+04	n	8.2E+05	nm					1.4E+04	n		3.5E+02	n	
				3.0E-01	I			V		1		1.0E+04	Isobutyl Alcohol	78-83-1	2.3E+04	ns	3.5E+05	nms					5.9E+03	n		1.2E+00	n	
9.5E-04	I			2.0E-01	I	2.0E+00	C			1	0.1		Isophorone	78-59-1	5.7E+02	c*	2.4E+03	c*	2.1E+03	n	8.8E+03	n	7.8E+01	c*		2.6E-02	c*	
				1.5E-02	I			V		1			Isopropalin	33820-53-0	1.2E+03	n	1.8E+04	n					4.0E+01	n		9.2E-01	n	
				2.0E+00	P	2.0E-01	P	V		1		1.1E+05	Isopropanol	67-63-0	5.6E+03	n	2.4E+04	n	2.1E+02	n	8.8E+02	n	4.1E+02	n		8.4E-02	n	
				1.0E-01	I					1	0.1		Isopropyl Methyl Phosphonic Acid	1832-54-8	6.3E+03	n	8.2E+04	n					2.0E+03	n		4.3E-01	n	
				5.0E-02	I					1	0.1		Isoxaben	82558-50-7	3.2E+03	n	4.1E+04	n					7.3E+02	n		2.0E+00	n	
						3.0E-01	A	V		1			JP-7	E1737665	4.3E+08	nm	1.8E+09	nm	3.1E+02	n	1.3E+03	n	6.3E+02	n				
				8.0E-03	O					1	0.1		Lactofen	77501-63-4	5.1E+02	n	6.6E+03	n					1.0E+02	n		4.6E+00	n	
				2.0E-04	X					1	0.1		Lactonitrile	78-97-7	1.3E+01	n	1.6E+02	n					4.0E+00	n		8.1E-04	n	
				5.0E-05	P					1			Lanthanum	7439-91-0	3.9E+00	n	5.8E+01	n					1.0E+00	n				
				2.1E-05	P					1	0.1		Lanthanum Acetate Hydrate	100587-90-4	1.3E+00	n	1.7E+01	n					4.2E-01	n				
				1.9E-05	P					1			Lanthanum Chloride Heptahydrate	10025-84-0	1.5E+00	n	2.2E+01	n					3.7E-01	n				
				2.8E-05	P					1			Lanthanum Chloride, Anhydrous	10099-58-8	2.2E+00	n	3.3E+01	n					5.7E-01	n				
				1.6E-05	P					1			Lanthanum Nitrate Hexahydrate	10277-43-7	1.3E+00	n	1.9E+01	n					3.2E-01	n				
													Lead Compounds																
8.5E-03	C	1.2E-05	C							1			~Lead Phosphate	7446-27-7	8.2E+01	c	3.8E+02	c	2.3E-01	c	1.0E+00	c	9.1E+00	c				
2.1E-01	C	8.0E-05	C							1	0.1		~Lead acetate	301-04-2	2.6E+00	c	1.1E+01	c	3.5E-02	c	1.5E-01	c	3.7E-01	c		7.5E-05	c	
										1			~Lead and Compounds	7439-92-1	4.0E+02	G	8.0E+02	G	1.5E-01	G			1.5E+01	G	1.5E+01			1.4E+01
3.8E-02	C	1.1E-05	C							1	0.1		~Lead subacetate	1335-32-6	1.4E+01	c	6.0E+01	c	2.6E-01	c	1.1E+00	c	2.1E+00	c		4.5E-04	c	
				1.0E-07	I			V		1		2.4E+00	~Tetraethyl Lead	78-00-2	7.8E-03	n	1.2E-01	n					1.3E-03	n		4.7E-06	n	
				5.0E-06	P			V		1		3.8E+02	Lewisite	541-25-3	3.9E-01	n	5.8E+00	n					9.0E-02	n		3.8E-05	n	
				7.7E-03	O					1	0.1		Linuron	330-55-2	4.9E+02	n	6.3E+03	n					1.3E+02	n		1.1E-01	n	
				2.0E-03	P					1			Lithium	7439-93-2	1.6E+02	n	2.3E+03	n					4.0E+01	n		1.2E+01	n	
				5.0E-04	I					1	0.1		MCPA	94-74-6	3.2E+01	n	4.1E+02	n					7.5E+00	n		2.0E-03	n	
				4.4E-02	O					1	0.1		MCPB	94-81-5	2.8E+03	n	3.6E+04	n					6.5E+02	n		2.6E-01	n	
				1.0E-03	I					1	0.1		MCPP	93-65-2	6.3E+01	n	8.2E+02	n					1.6E+01	n		4.7E-03	n	
				2.0E-02	I					1	0.1		Malathion	121-75-5	1.3E+03	n	1.6E+04	n					3.9E+02	n		1.0E-01	n	
				1.0E-01	I	7.0E-04	C			1	0.1		Maleic Anhydride	108-31-6	6.3E+03	n	8.0E+04	n	7.3E-01	n	3.1E+00	n	1.9E+03	n		3.8E-01	n	
				5.0E-01	I					1	0.1		Maleic Hydrazide	123-33-1	3.2E+04	n	4.1E+05	nm					1.0E+04	n		2.1E+00	n	
				1.0E-04	P					1	0.1		Malononitrile	109-77-3	6.3E+00	n	8.2E+01	n					2.0E+00	n		4.1E-04	n	
				3.0E-02	H					1	0.1		Mancozeb	8018-01-7	1.9E+03	n	2.5E+04	n					5.4E+02	n		7.6E-01	n	
				5.0E-03	I					1	0.1		Maneb	12427-38-2	3.2E+02	n	4.1E+03	n					9.8E+01	n		1.4E-01	n	
				1.4E-01	I	5.0E-05	I			1			Manganese (Diet)	7439-96-5					5.2E-02	n	2.2E-01	n						
				2.4E-02	G	5.0E-05	I			0.04			Manganese (Non-diet)	7439-96-5	1.8E+03	n	2.6E+04	n	5.2E-02	n	2.2E-01	n	4.3E+02	n		2.8E+01	n	
				9.0E-05	H					1	0.1		Mephosfolan	950-10-7	5.7E+00	n	7.4E+01	n					1.8E+00	n		2.6E-03	n	
				3.0E-02	I					1	0.1		Mepiquat Chloride	24307-26-4	1.9E+03	n	2.5E+04	n					6.0E+02	n		2.0E-01	n	
1.1E-02	P			4.0E-03	P					1	0.1		Mercaptobenzothiazole, 2-	149-30-4	4.9E+01	c**	2.1E+02	c*					6.3E+00	c*		1.8E-02	c*	
													Mercury Compounds																
				3.0E-04	I	3.0E-04	G			0.07			~Mercuric Chloride (and other Mercury salts)	7487-94-7	2.3E+01	n	3.5E+02	n	3.1E-01	n	1.3E+00	n	5.7E+00	n	2.0E+00			
						3.0E-04	I	V		1		3.1E+00	~Mercury (elemental)	7439-97-6	1.1E+01	ns	4.6E+01	ns	3.1E-01	n	1.3E+00	n	6.3E-01	n	2.0E+00	3.3E-02	n	1.0E-01
				1.0E-04	I					1			~Methyl Mercury	22967-92-6	7.8E+00	n	1.2E+02	n					2.0E+00	n		1.4E+01	n	
				8.0E-05	I					1	0.1		~Phenylmercuric Acetate	62-38-4	5.1E+00	n	6.6E+01	n					1.6E+00	n		5.0E-04	n	
				3.0E-05	I			V		1			Merphos	150-50-5	2.3E+00	n	3.5E+01	n					6.0E-01	n		5.9E-02	n	
				6.0E-02	I					1	0.1		Metalaxyl	57837-19-1	3.8E+03	n	4.9E+04	n					1.2E+03	n		3.3E-01	n	
				1.0E-04	I	3.0E-02	P	V		1		4.6E+03	Methacrylonitrile	126-98-7	7.5E+00	n	1.0E+02	n	3.1E+01	n	1.3E+02	n	1.9E+00	n		4.3E-04	n	
				5.0E-05	I					1	0.1		Methamidophos	10265-92-6	3.2E+00	n	4.1E+01	n					1.0E+00	n		2.1E-04	n	
				2.0E+00	I	2.0E+01	I	V		1		1.1E+05	Methanol	67-56-1	1.2E+05	nms	1.2E+06	nms	2.1E+04	n	8.8E+04	n	2.0E+04	n		4.1E+00	n	
				1.5E-03	O					1	0.1		Methidathion	950-37-8	9.5E+01	n	1.2E+03	n					2.9E+01	n		7.1E-03	n	
				2.5E-02	I					1	0.1		Methomyl	16752-77-5	1.6E+03	n	2.1E+04	n					5.0E+02	n		1.1E-01	n	
4.9E-02	C									1	0.1		Methoxy-5-nitroaniline, 2-	99-59-2	1.1E+01	c	4.7E+01	c					1.5E+00	c		5.3E-04	c	
				5.0E-03	I					1	0.1		Methoxychlor	72-43-5	3.2E+02	n	4.1E+03	n					3.7E+01	n	4.0E+01	2.0E+00	n	2.2E+00
				8.0E-03	P	1.0E-03	P	V		1		1.2E+05	Methoxyethanol Acetate, 2-	110-49-6	1.1E+02	n	5.1E+02	n	1.0E+00	n	4.4E+00	n	2.1E+00	n		4.2E-04	n	
				5.0E-03	P	7.0E-03	P	V		1		1.1E+05	Methoxyethanol, 2-	109-86-4	2.6E+02	n	2.0E+03	n	7.3E+00	n	3.1E+01	n	1.3E+01	n		2.6E-03	n	
				1.0E+00	X			V		1		2.9E+04	Methyl Acetate	79-20-9	7.8E+04	ns	1.2E+06	nms					2.0E+04	n		4.1E+00	n	
						2.0E-02	P	V		1		6.8E+03	Methyl Acrylate	96-33-3	1.5E+02	n	6.1E+02	n	2.1E+01	n	8.8E+01	n	4.2E+01	n		8.9E-03	n	
				6.0E-01	I	5.0E+00	I	V		1		2.8E+04	Methyl Ethyl Ketone (2-Butanone)	78-93-3	2.7E+04	n	1.9E+05	nms	5.2E+03	n	2.2E+04	n	5.6E+03	n		1.2E+00	n	
		1.0E-03	X	1.0E-03	P	2.0E-05	X	V		1		1.8E+05	Methyl Hydrazine	60-34-4	1.4E-01	c**	6.2E-01	c**	2.8E-03	c**	1.2E-02	c**	5.6E-03	c**		1.3E-06	c**	
						3.0E+00	I	V		1		3.4E+03	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	3.3E+04	ns	1.4E+05	nms	3.1E+03	n	1.3E+04	n	6.3E+03	n		1.4E+00	n	
						1.0E-03	C	V		1		1.0E+04	Methyl Isocyanate	624-83-9	4.6E+00	n	1.9E+01	n	1.0E+00	n	4.4E+00	n	2.1E+00	n		5.9E-04	n	
				1.4E+00	I	7.0E-01	I	V		1		2.4E+03	Methyl Methacrylate	80-62-6	4.4E+03	ns	1.9E+04	ns	7.3E+02	n	3.1E+03	n	1.4E+03	n		3.0E-01	n	
				2.5E-04	I					1	0.1		Methyl Parathion	298-00-0	1.6E+01	n	2.1E+02	n					4.5E+00	n		7.4E-03	n	
				6.0E-02	X					1	0.1		Methyl Phosphonic Acid	993-13-5	3.8E+03	n	4.9E+04	n					1.2E+03	n		2.4E-01	n	
				6.0E-03	H	4.0E-02	H	V		1		3.9E+02	Methyl Styrene (Mixed Isomers)	25013-15-4	3.2E+02	n	2.6E+03	ns	4.2E+01	n	1.8E+02	n	2.3E+01	n		3.8E-02	n	
9.9E-02	C	2.8E-05	C							1	0.1		Methyl methanesulfonate	66-27-3	5.5E+00	c	2.3E+01	c	1.0E-01	c	4.4E-01	c	7.9E-01	c		1.6E-04	c	
1.8E-03	C	2.6E-07	C			3.0E+00	I	V		1		8.9E+03	Methyl tert-Butyl Ether (MTBE)	1634-04-4	4.7E+01	c	2.1E+02	c	1.1E+01	c	4.7E+01	c	1.4E+01	c		3.2E-03	c	
				3.0E-04	X					1	0.1		Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	1.9E+01	n	2.5E+02	n					6.0E+00	n		3.6E-03	n	
						3.0E+00	X	V		1		2.5E+03	Methyl-2-Pentanol, 4-	108-11-2	5.4E+04	ns	2.3E+05	nms	3.1E+03	n	1.3E+04	n	6.3E+03	n		1.4E+00	n	
9.0E-03	P			2.0E-02	X					1	0.1		Methyl-5-Nitroaniline, 2-	99-55-8	6.0E+01	c*	2.6E+02	c*					8.2E+00	c*		4.6E-03	c*	
8.3E+00	C	2.4E-03	C							1	0.1		Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	6.5E-02	c	2.8E-01	c	1.2E-03	c	5.1E-03	c	9.4E-03	c		3.2E-06	c	
1.3E-01	C	3.7E-05	C							1	0.1		Methylaniline Hydrochloride, 2-	636-21-5	4.2E+00	c	1.8E+01	c	7.6E-02	c	3.3E-01	c	6.0E-01	c		2.6E-04	c	
				1.0E-02	A					1	0.1		Methylarsonic acid	124-58-3	6.3E+02	n	8.2E+03	n					2.0E+02	n		5.8E-02	n	
				2.0E-04	X					1	0.1		Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	1.3E+01	n	1.6E+02	n					4.0E+00	n				
1.0E-01	X			3.0E-04	X					1	0.1		Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	5.4E+00	c**	2.3E+01	c*					7.8E-01	c**				

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information														Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
2.2E+01	C	6.3E-03	C						M	1	0.1		Methylcholanthrene, 3-	56-49-5	5.5E-03	c	1.0E-01	c	1.6E-04	c	1.9E-03	c	1.1E-03	c		2.2E-03	c		
2.0E-03	I	1.0E-08	I	6.0E-03	I	6.0E-01	I	V	M	1		3.3E+03	Methylene Chloride	75-09-2	5.7E+01	c**	1.0E+03	c**	1.0E+02	c**	1.2E+03	c**	1.1E+01	c**	5.0E+00	2.9E-03	c**	1.3E-03	
1.0E-01	P	4.3E-04	C	2.0E-03	P				M	1	0.1		Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	1.2E+00	c	2.3E+01	c*	2.4E-03	c	2.9E-02	c	1.6E-01	c		1.8E-03	c		
4.6E-02	I	1.3E-05	C							1	0.1		Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.2E+01	c	5.0E+01	c	2.2E-01	c	9.4E-01	c	7.0E-01	c		3.9E-03	c		
1.6E+00	C	4.6E-04	C			2.0E-02	C			1	0.1		Methylenebisbenzenamine, 4,4'-	101-77-9	3.4E-01	c	1.4E+00	c	6.1E-03	c	2.7E-02	c	4.7E-02	c		2.1E-04	c		
						6.0E-04	I			1	0.1		Methylenediphenyl Diisocyanate	101-68-8	8.5E+05	nm	3.6E+06	nm	6.3E-01	n	2.6E+00	n								
				7.0E-02	H			V		1		5.0E+02	Methylstyrene, Alpha-	98-83-9	5.5E+03	ns	8.2E+04	ns					7.8E+02	n		1.2E+00	n		
				1.5E-01	I					1	0.1		Metolachlor	51218-45-2	9.5E+03	n	1.2E+05	nm					2.7E+03	n		3.2E+00	n		
				2.5E-02	I					1	0.1		Metribuzin	21087-64-9	1.6E+03	n	2.1E+04	n					4.9E+02	n		1.5E-01	n		
				2.5E-01	I					1	0.1		Metsulfuron-methyl	74223-64-6	1.6E+04	n	2.1E+05	nm					4.9E+03	n		1.9E+00	n		
		4.5E-06	X	1.0E-02	X	1.0E-01	P	V		1		6.9E+00	Midrange Aliphatic Hydrocarbon Streams	E1790669	6.5E-01	c	2.8E+00	c	6.2E-01	c	2.7E+00	c	1.2E+00	c*		1.8E-02	c*		
				3.0E+00	P			V		1		3.4E-01	Mineral oils	8012-95-1	2.3E+05	nms	3.5E+06	nms					6.0E+04	n		2.4E+03	n		
1.8E+01	C	5.1E-03	C	2.0E-04	I			V		1			Mirex	2385-85-5	3.6E-02	c	1.7E-01	c	5.5E-04	c	2.4E-03	c	8.8E-04	c		6.3E-04	c		
				2.0E-03	I					1	0.1		Molinate	2212-67-1	1.3E+02	n	1.6E+03	n					3.0E+01	n		1.7E-02	n		
				5.0E-03	I	2.0E-03	A			1			Molybdenum	7439-98-7	3.9E+02	n	5.8E+03	n	2.1E+00	n	8.8E+00	n	1.0E+02	n		2.0E+00	n		
				1.0E-01	I					1			Monochloramine	10599-90-3	7.8E+03	n	1.2E+05	nm					2.0E+03	n	4.0E+03(G)				
				2.0E-03	P					1	0.1		Monomethylaniline	100-61-8	1.3E+02	n	1.6E+03	n					3.8E+01	n		1.4E-02	n		
				2.5E-02	I					1	0.1		Myclobutanil	88671-89-0	1.6E+03	n	2.1E+04	n					4.5E+02	n		5.6E+00	n		
				3.0E-04	X					1	0.1		N,N'-Diphenyl-1,4-benzenediamine	74-31-7	1.9E+01	n	2.5E+02	n					3.6E+00	n		3.7E-01	n		
				2.0E-03	I			V		1			Naled	300-76-5	1.6E+02	n	2.3E+03	n					4.0E+01	n		1.8E-02	n		
				3.0E-02	X	1.0E-01	P	V		1			Naphtha, High Flash Aromatic (HFAN)	64742-95-6	2.3E+03	n	3.5E+04	n	1.0E+02	n	4.4E+02	n	1.5E+02	n					
1.8E+00	C	0.0E+00	C							1	0.1		Naphthylamine, 2-	91-59-8	3.0E-01	c	1.3E+00	c					3.9E-02	c		2.0E-04	c		
				1.2E-01	O					1	0.1		Napropamide	15299-99-7	7.6E+03	n	9.8E+04	n					2.0E+03	n		1.3E+01	n		
		2.6E-04	C	1.1E-02	C	1.4E-05	C			1	0.1		Nickel Acetate	373-02-4	6.7E+02	n	8.1E+03	n	1.1E-02	c**	4.7E-02	c**	2.2E+02	n		4.5E-02	n		
		2.6E-04	C	1.1E-02	C	1.4E-05	C			1	0.1		Nickel Carbonate	3333-67-3	6.7E+02	n	8.1E+03	n	1.1E-02	c**	4.7E-02	c**	2.2E+02	n					
		2.6E-04	C	1.1E-02	C	1.4E-05	C	V		1			Nickel Carbonyl	13463-39-3	8.2E+02	n	1.1E+04	n	1.1E-02	c**	4.7E-02	c**	2.2E-02	c**					
		2.6E-04	C	1.1E-02	C	1.4E-05	C			0.04			Nickel Hydroxide	12054-48-7	8.2E+02	n	1.1E+04	n	1.1E-02	c**	4.7E-02	c**	2.0E+02	n					
		2.6E-04	C	1.1E-02	C	2.0E-05	C			0.04			Nickel Oxide	1313-99-1	8.4E+02	n	1.2E+04	n	1.1E-02	c**	4.7E-02	c**	2.0E+02	n					
		2.4E-04	I	1.1E-02	C	1.4E-05	C			0.04			Nickel Refinery Dust	E715532	8.2E+02	n	1.1E+04	n	1.2E-02	c**	5.1E-02	c**	2.2E+02	n		3.2E+01	n		
		2.6E-04	C	2.0E-02	I	9.0E-05	A			0.04			Nickel Soluble Salts	7440-02-0	1.5E+03	n	2.2E+04	n	1.1E-02	c**	4.7E-02	c**	3.9E+02	n		2.6E+01	n		
1.7E+00	C	4.8E-04	I	1.1E-02	C	1.4E-05	C			0.04			Nickel Subsulfide	12035-72-2	4.1E-01	c	1.9E+00	c	5.8E-03	c**	2.6E-02	c**	4.5E-02	c					
9.1E-01	C	2.6E-04	C	1.1E-02	C	1.4E-05	C			1	0.1		Nickelocene	1271-28-9	6.0E-01	c	2.5E+00	c	1.1E-02	c**	4.7E-02	c**	8.6E-02	c					
				1.6E+00	I					1			Nitrate (measured as nitrogen)	14797-55-8	1.3E+05	nm	1.9E+06	nm					3.2E+04	n	1.0E+04				
										1			Nitrate + Nitrite (measured as nitrogen)	E701177											1.0E+04				
				1.0E-01	I					1			Nitrite (measured as nitrogen)	14797-65-0	7.8E+03	n	1.2E+05	nm					2.0E+03	n	1.0E+03				
				1.0E-02	X	5.0E-05	X			1	0.1		Nitroaniline, 2-	88-74-4	6.3E+02	n	8.0E+03	n	5.2E-02	n	2.2E-01	n	1.9E+02	n		8.0E-02	n		
2.0E-02	P			4.0E-03	P	6.0E-03	P			1	0.1		Nitroaniline, 4-	100-01-6	2.7E+01	c**	1.1E+02	c*	6.3E+00	n	2.6E+01	n	3.8E+00	c*		1.6E-03	c*		
		4.0E-05	I	2.0E-03	I	9.0E-03	I	V		1		3.1E+03	Nitrobenzene	98-95-3	5.1E+00	c*	2.2E+01	c*	7.0E-02	c	3.1E-01	c	1.4E-01	c*		9.2E-05	c*		
				3.0E+03	P					1	0.1		Nitrocellulose	9004-70-0	1.9E+08	nm	2.5E+09	nm					6.0E+07	n		1.3E+04	n		
				7.0E-02	H					1	0.1		Nitrofurantoin	67-20-9	4.4E+03	n	5.7E+04	n					1.4E+03	n		6.1E-01	n		
1.3E+00	C	3.7E-04	C							1	0.1		Nitrofurazone	59-87-0	4.2E-01	c	1.8E+00	c	7.6E-03	c	3.3E-02	c	6.0E-02	c		5.4E-05	c		
1.7E-02	P			1.0E-04	P					1	0.1		Nitroglycerin	55-63-0	6.3E+00	n	8.2E+01	n					2.0E+00	n		8.5E-04	n		
				1.0E-01	I					1	0.1		Nitroguanidine	556-88-7	6.3E+03	n	8.2E+04	n					2.0E+03	n		4.8E-01	n		
		8.8E-06	P			5.0E-03	P	V		1		1.8E+04	Nitromethane	75-52-5	5.4E+00	c*	2.4E+01	c*	3.2E-01	c*	1.4E+00	c*	6.4E-01	c*		1.4E-04	c*		
		5.8E-04	X			2.0E-02	I	V		1		4.9E+03	Nitropropane, 2-	79-46-9	6.4E-02	c	2.8E-01	c	4.8E-03	c	2.1E-02	c	9.7E-03	c		2.5E-06	c		
2.7E+01	C	7.7E-03	C						M	1	0.1		Nitroso-N-ethylurea, N-	759-73-9	4.5E-03	c	8.5E-02	c	1.3E-04	c	1.6E-03	c	9.2E-04	c		2.2E-07	c		
1.2E+02	C	3.4E-02	C						M	1	0.1		Nitroso-N-methylurea, N-	684-93-5	1.0E-03	c	1.9E-02	c	3.0E-05	c	3.6E-04	c	2.1E-04	c		4.6E-08	c		
5.4E+00	I	1.6E-03	I					V		1			Nitroso-di-N-butylamine, N-	924-16-3	9.9E-02	c	4.6E-01	c	1.8E-03	c	7.7E-03	c	2.7E-03	c		5.5E-06	c		
7.0E+00	I	2.0E-03	C							1	0.1		Nitroso-di-N-propylamine, N-	621-64-7	7.8E-02	c	3.3E-01	c	1.4E-03	c	6.1E-03	c	1.1E-02	c		8.1E-06	c		
2.8E+00	I	8.0E-04	C							1	0.1		Nitrosodiethanolamine, N-	1116-54-7	1.9E-01	c	8.2E-01	c	3.5E-03	c	1.5E-02	c	2.8E-02	c		5.6E-06	c		
1.5E+02	I	4.3E-02	I						M	1	0.1		Nitrosodiethylamine, N-	55-18-5	8.1E-04	c	1.5E-02	c	2.4E-05	c	2.9E-04	c	1.7E-04	c		6.1E-08	c		
5.1E+01	I	1.4E-02	I	8.0E-06	P	4.0E-05	X	V	M	1		2.4E+05	Nitrosodimethylamine, N-	62-75-9	2.0E-03	c	3.4E-02	c	7.2E-05	c	8.8E-04	c	1.1E-04	c		2.7E-08	c		
4.9E-03	I	2.6E-06	C							1	0.1		Nitrosodiphenylamine, N-	86-30-6	1.1E+02	c	4.7E+02	c	1.1E+00	c	4.7E+00	c	1.2E+01	c		6.7E-02	c		
2.2E+01	I	6.3E-03	C					V		1		1.1E+05	Nitrosomethylethylamine, N-	10595-95-6	2.0E-02	c	9.1E-02	c	4.5E-04	c	1.9E-03	c	7.1E-04	c		2.0E-07	c		
6.7E+00	C	1.9E-03	C							1	0.1		Nitrosomorpholine [N-]	59-89-2	8.1E-02	c	3.4E-01	c	1.5E-03	c	6.5E-03	c	1.2E-02	c		2.8E-06	c		
9.4E+00	C	2.7E-03	C							1	0.1		Nitrosopiperidine [N-]	100-75-4	5.8E-02	c	2.4E-01	c	1.0E-03	c	4.5E-03	c	8.2E-03	c		4.4E-06	c		
2.1E+00	I	6.1E-04	I							1	0.1		Nitrosopyrrolidine, N-	930-55-2	2.6E-01	c	1.1E+00	c	4.6E-03	c	2.0E-02	c	3.7E-02	c		1.4E-05	c		
				1.0E-04	X					1	0.1		Nitrotoluene, m-	99-08-1	6.3E+00	n	8.2E+01	n					1.7E+00	n		1.6E-03	n		
2.2E-01	P			9.0E-04	P			V		1		1.5E+03	Nitrotoluene, o-	88-72-2	3.2E+00	c*	1.5E+01	c*					3.1E-01	c*		3.0E-04	c*		
1.6E-02	P			4.0E-03	P					1	0.1		Nitrotoluene, p-	99-99-0	3.4E+01	c**	1.4E+02	c*					4.3E+00	c*		4.0E-03	c*		
				3.0E-04	X	2.0E-02	P	V		1		6.9E+00	Nonane, n-	111-84-2	1.1E+01	ns	7.2E+01	ns	2.1E+01	n	8.8E+01	n	5.3E+00	n		7.5E-02	n		
				1.5E-03	O					1	0.1		Norflurazon	27314-13-2	9.5E+01	n	1.2E+03	n					2.9E+01	n		1.9E-01	n		
				3.0E-03	I					1	0.1		Octabromodiphenyl Ether	32536-52-0	1.9E+02	n	2.5E+03	n					6.0E+01	n		1.2E+01	n		
				5.0E-02	I					1	0.006		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	3.9E+03	n	5.7E+04	n					1.0E+03	n		1.3E+00	n		
				2.0E-03	H					1	0.1		Octamethylpyrophosphoramide	152-16-9	1.3E+02	n	1.6E+03	n					4.0E+01	n		9.6E-03	n		
7.8E-03	O			1.9E-01	O					1	0.1		Oryzalin	19044-88-3	7.0E+01	c	2.9E+02	c					7.9E+00	c		1.5E-02	c		
				5.0E-03	I					1	0.1		Oxadiazon	19666-30-9	3.2E+02	n	4.1E+03	n					4.7E+01	n		4.8E-01	n		
				2.5E-02	I					1	0.1		Oxamyl	23135-22-0	1.6E+03	n	2.1E+04	n					5.0E+02	n	2.0E+02	1.1E-01	n	4.4E-02	
7.3E-02	O			4.0E-02	O					1	0.1		Oxyfluorfen	42874-03-3	7.4E+00	c	3.1E+01	c					5.4E-01	c		4.3E-02	c		
				1.3E-02	I					1	0.1		Paclobutrazol	76738-62-0	8.2E+02	n	1.1E+04	n					2.3E+02	n		4.6E-01	n		
				4.5E-03	I					1	0.1		Paraquat Dichloride	1910-42-5	2.8E+02	n	3.7E+03	n					9.0E+01	n		1.2E+00	n		
				6.0E-03	H					1	0.1		Parathion	56-38-2	3.8E+02	n	4.9E+03	n					8.6E+01	n		4.3E-01	n		
				5.0E-02	H			V		1			Pebulate	1114-71-2	3.9E+03	n	5.8E+04	n					5.6E+02	n		4.5E-01	n		
				3.0E-01	O					1	0.1		Pendimethalin	40487-42-1	1.9E+04	n	2.5E+05	nm					1.4E+03	n		1.6E+01	n		
				2.0E-03	I			V		1		3.1E-01	Pentabromodiphenyl Ether	32534-81-9	1.6E+02	ns	2.3E+03	ns					4.0E+01	n		1.7E+00	n		
				1.0E-04	I					1	0.1		Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	6.3E+00	n	8.2E+01	n					2.0E+00	n		8.7E-02	n		
				8.0E-04	I			V		1			Pentachlorobenzene	608-93-5	6.3E+01	n	9.3E+02	n					3.2E+00	n		2.4E-02	n		
9.0E-02	P							V		1		4.6E+02	Pentachloroethane	76-01-7	7.7E+00	c	3.6E+01	c					6.5E-01	c		3.1E-04	c		
2.6E-01	H			3.0E-03	I			V		1			Pentachloronitrobenzene	82-68-8	2.7E+00	c*	1.3E+01	c					1.2E-01	c		1.5E-03	c		

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information														Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
4.0E-01	I	5.1E-06	C	5.0E-03	I					1	0.25		Pentachlorophenol	87-86-5	1.0E+00	c	4.0E+00	c	5.5E-01	c	2.4E+00	c	4.1E-02	c	1.0E+00	5.7E-05	c	1.4E-03
4.3E-03	X			9.0E-03	P					1	0.1		Pentaerythritol tetranitrate (PETN)	78-11-5	1.3E+02	c**	5.3E+02	c*					1.7E+01	c**		2.6E-02	c**	
				1.0E-04	X					1	0.1		Pentamethylphosphoramide (PMPA)	10159-46-3	6.3E+00	n	8.2E+01	n					2.0E+00	n		4.1E-04	n	
						1.0E+00	P	V		1		3.9E+02	Pentane, n-	109-66-0	8.1E+02	ns	3.4E+03	ns	1.0E+03	n	4.4E+03	n	2.1E+03	n		1.0E+01	n	
													Per- and Polyfluoroalkyl Substances (PFAS)																
				3.0E-06	D					1	0.1		~Ammonium perfluoro-2-methyl-3-oxahexanoate	62037-80-3	1.9E-01	n	2.5E+00	n					6.0E-02	n		1.3E-05	n	
				3.0E-06	D			V		1			~Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	2.3E-01	n	3.5E+00	n					6.0E-02	n				
				3.0E-04	P					1	0.1		~Perfluorobutanesulfonate	45187-15-3	1.9E+01	n	2.5E+02	n					6.0E+00	n		1.9E-03	n	
				3.0E-04	P					1	0.1		~Perfluorobutanesulfonic acid (PFBS)	375-73-5	1.9E+01	n	2.5E+02	n					6.0E+00	n		1.9E-03	n	
				2.0E-05	A					1	0.1		~Perfluorohexanesulfonate	108427-53-8	1.3E+00	n	1.6E+01	n					3.9E-01	n		1.7E-04	n	
				2.0E-05	A					1	0.1		~Perfluorohexanesulfonic acid (PFHxS)	355-46-4	1.3E+00	n	1.6E+01	n					3.9E-01	n		1.7E-04	n	
				3.0E-06	A					1	0.1		~Perfluorononanoate	72007-68-2	1.9E-01	n	2.5E+00	n					5.9E-02	n		2.5E-04	n	
				3.0E-06	A					1	0.1		~Perfluorononanoic acid (PFNA)	375-95-1	1.9E-01	n	2.5E+00	n					5.9E-02	n		2.5E-04	n	
				2.0E-06	A					1	0.1		~Perfluorooctanesulfonate	45298-90-6	1.3E-01	n	1.6E+00	n					4.0E-02	n		3.8E-05	n	
				2.0E-06	A					1	0.1		~Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1.3E-01	n	1.6E+00	n					4.0E-02	n		3.8E-05	n	
7.0E-02	D			3.0E-06	A					1	0.1		~Perfluorooctanoate	45285-51-6	1.9E-01	n	2.5E+00	n					6.0E-02	n		9.1E-04	n	
7.0E-02	D			3.0E-06	A					1	0.1		~Perfluorooctanoic acid (PFOA)	335-67-1	1.9E-01	n	2.5E+00	n					6.0E-02	n		9.1E-04	n	
				3.0E-04	P					1	0.1		~Potassium perfluorobutanesulfonate	29420-49-3	1.9E+01	n	2.5E+02	n					6.0E+00	n		3.0E-03	n	
				2.0E-06	A					1	0.1		~Potassium perfluorooctanesulfonate	2795-39-3	1.3E-01	n	1.6E+00	n					4.0E-02	n				
													Perchlorates																
				7.0E-04	I					1			~Ammonium Perchlorate	7790-98-9	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				7.0E-04	I					1			~Lithium Perchlorate	7791-03-9	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				7.0E-04	I					1			~Perchlorate and Perchlorate Salts	14797-73-0	5.5E+01	n	8.2E+02	n					1.4E+01	n	1.5E+01(G)			
				7.0E-04	I					1			~Potassium Perchlorate	7778-74-7	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				7.0E-04	I					1			~Sodium Perchlorate	7601-89-0	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				5.0E-02	I					1	0.1		Permethrin	52645-53-1	3.2E+03	n	4.1E+04	n					1.0E+03	n		2.4E+02	n	
2.2E-03	C	6.3E-07	C							1	0.1		Phenacetin	62-44-2	2.5E+02	c	1.0E+03	c	4.5E+00	c	1.9E+01	c	3.4E+01	c		9.7E-03	c	
				2.4E-01	O					1	0.1		Phenmedipham	13684-63-4	1.5E+04	n	2.0E+05	nm					3.8E+03	n		2.1E+01	n	
				3.0E-01	I	2.0E-01	C			1	0.1		Phenol	108-95-2	1.9E+04	n	2.5E+05	nm	2.1E+02	n	8.8E+02	n	5.8E+03	n		3.3E+00	n	
				4.0E-03	I					1	0.1		Phenol, 2-(1-methylethoxy)-, methylcarbamate	114-26-1	2.5E+02	n	3.3E+03	n					7.8E+01	n		2.5E-02	n	
				5.0E-04	X					1	0.1		Phenothiazine	92-84-2	3.2E+01	n	4.1E+02	n					4.3E+00	n		1.4E-02	n	
				2.0E-04	X			V		1		1.3E+02	Phenyl Isothiocyanate	103-72-0	1.6E+01	n	2.3E+02	ns					2.6E+00	n		1.7E-03	n	
				6.0E-03	I					1	0.1		Phenylenediamine, m-	108-45-2	3.8E+02	n	4.9E+03	n					1.2E+02	n		3.2E-02	n	
1.2E-01	P			4.0E-03	P					1	0.1		Phenylenediamine, o-	95-54-5	4.5E+00	c*	1.9E+01	c					6.5E-01	c		1.7E-04	c	
				1.0E-03	X					1	0.1		Phenylenediamine, p-	106-50-3	6.3E+01	n	8.2E+02	n					2.0E+01	n		5.4E-03	n	
1.9E-03	H									1	0.1		Phenylphenol, 2-	90-43-7	2.8E+02	c	1.2E+03	c					3.0E+01	c		4.1E-01	c	
				2.0E-04	H					1	0.1		Phorate	298-02-2	1.3E+01	n	1.6E+02	n					3.0E+00	n		3.4E-03	n	
						3.0E-04	I	V		1		1.6E+03	Phosgene	75-44-5	3.1E-01	n	1.3E+00	n	3.1E-01	n	1.3E+00	n	6.3E-01	n		1.6E-04	n	
				2.0E-02	I					1	0.1		Phosmet	732-11-6	1.3E+03	n	1.6E+04	n					3.7E+02	n		8.2E-02	n	
				3.0E-04	I	3.0E-04	I	V		1			Phosphine	7803-51-2	2.3E+01	n	3.5E+02	n	3.1E-01	n	1.3E+00	n	5.7E-01	n				
						1.0E-02	I			1			Phosphoric Acid	7664-38-2	1.4E+07	nm	6.0E+07	nm	1.0E+01	n	4.4E+01	n						
				2.0E-05	I			V		1			Phosphorus, White	7723-14-0	1.6E+00	n	2.3E+01	n					4.0E-01	n		1.5E-03	n	
													Phthalates																
1.4E-02	I	2.4E-06	C	2.0E-02	I					1	0.1		~Bis(2-ethylhexyl)phthalate	117-81-7	3.9E+01	c*	1.6E+02	c	1.2E+00	c	5.1E+00	c	5.6E+00	c*	6.0E+00	1.3E+00	c*	1.4E+00
1.9E-03	P			2.0E-01	I					1	0.1		~Butyl Benzyl Phthalate	85-68-7	2.9E+02	c*	1.2E+03	c					1.6E+01	c		2.4E-01	c	
				1.0E+00	I					1	0.1		~Butylphthalyl Butylglycolate	85-70-1	6.3E+04	n	8.2E+05	nm					1.3E+04	n		3.1E+02	n	
				1.0E-01	I					1	0.1		~Dibutyl Phthalate	84-74-2	6.3E+03	n	8.2E+04	n					9.0E+02	n		2.3E+00	n	
				8.0E-01	I					1	0.1		~Diethyl Phthalate	84-66-2	5.1E+04	n	6.6E+05	nm					1.5E+04	n		6.1E+00	n	
				1.0E-01	I			V		1			~Dimethylterephthalate	120-61-6	7.8E+03	n	1.2E+05	nm					1.9E+03	n		4.9E-01	n	
				1.0E-02	P					1	0.1		~Octyl Phthalate, di-N-	117-84-0	6.3E+02	n	8.2E+03	n					2.0E+02	n		5.7E+01	n	
				5.0E-01	X					1	0.1		~Phthalic Acid, p-	100-21-0	3.2E+04	n	4.1E+05	nm					9.4E+03	n		3.4E+00	n	
				2.0E+00	I	2.0E-02	C			1	0.1		~Phthalic Anhydride	85-44-9	1.3E+05	nm	1.6E+06	nm	2.1E+01	n	8.8E+01	n	3.9E+04	n		8.5E+00	n	
				7.0E-02	I					1	0.1		Picloram	1918-02-1	4.4E+03	n	5.7E+04	n					1.4E+03	n	5.0E+02	3.8E-01	n	1.4E-01
				1.0E-04	X					1	0.1		Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	6.3E+00	n	8.2E+01	n					2.0E+00	n		1.3E-03	n	
				2.0E-03	X					1	0.1		Picric Acid (2,4,6-Trinitrophenol)	88-89-1	1.3E+02	n	1.6E+03	n					4.0E+01	n		1.9E-01	n	
				7.3E-04	O					1	0.1		Pirimiphos, Methyl	29232-93-7	4.6E+01	n	6.0E+02	n					8.9E+00	n		8.4E-03	n	
3.0E+01	C	8.6E-03	C	7.0E-06	H					1	0.1		Polybrominated Biphenyls	36355-01-8	1.8E-02	c*	7.7E-02	c*	3.3E-04	c	1.4E-03	c	2.6E-03	c*				
													Polychlorinated Biphenyls (PCBs)																
7.0E-02	G	2.0E-05	G	7.0E-05	I			V		1	0.14		~Aroclor 1016	12674-11-2	4.1E+00	n	2.7E+01	c**	1.4E-01	c	6.1E-01	c	2.2E-01	c**		2.1E-02	c**	
2.0E+00	G	5.7E-04	G					V		1	0.14		~Aroclor 1221	11104-28-2	2.0E-01	c	8.3E-01	c	4.9E-03	c	2.1E-02	c	4.7E-03	c		8.0E-05	c	
2.0E+00	G	5.7E-04	G					V		1	0.14		~Aroclor 1232	11141-16-5	1.7E-01	c	7.2E-01	c	4.9E-03	c	2.1E-02	c	4.7E-03	c		8.0E-05	c	
2.0E+00	G	5.7E-04	G					V		1	0.14		~Aroclor 1242	53469-21-9	2.3E-01	c	9.5E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c		1.2E-03	c	
2.0E+00	G	5.7E-04	G					V		1	0.14		~Aroclor 1248	12672-29-6	2.3E-01	c	9.4E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c		1.2E-03	c	
2.0E+00	G	5.7E-04	G	2.0E-05	I			V		1	0.14		~Aroclor 1254	11097-69-1	2.4E-01	c**	9.7E-01	c*	4.9E-03	c	2.1E-02	c	7.8E-03	c*		2.0E-03	c*	
2.0E+00	G	5.7E-04	G					V		1	0.14		~Aroclor 1260	11096-82-5	2.4E-01	c	9.9E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c		5.5E-03	c	
				6.0E-04	X			V		1	0.14		~Aroclor 5460	11126-42-4	3.5E+01	n	4.4E+02	n					1.2E+01	n		2.0E+00	n	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.3E-01	c*	5.2E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		2.8E-03	c	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	1.2E-01	c*	5.1E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.7E-03	c	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.7E-03	c	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.7E-03	c	
3.9E+03	W	1.1E+00	W	2.3E-08	W	1.3E-06	W	V		1	0.14		~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.2E-04	c*	5.1E-04	c*	2.5E-06	c	1.1E-05	c	4.0E-06	c		1.7E-06	c	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c	
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		1	0.14		~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c	
1.3E+04	W	3.8E+00	W	7.0E-09	W	4.0E-07	W	V		1	0.14		~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	3.6E-05	c*	1.5E-04	c*	7.4E-07	c	3.2E-06	c	1.2E-06	c		3.0E-07	c	
2.0E+00	I	5.7E-04	I					V		1	0.14		~Polychlorinated Biphenyls (high risk)	1336-36-3	2.3E-01	c	9.4E-01	c	4.9E-03	c	2.1E-02	c			5.0E-01			
4.0E-01	I	1.0E-04	I					V		1	0.14		~Polychlorinated Biphenyls (low risk)	1336-36-3					2.8E-02	c	1.2E-01	c	4.4E-02	c	5.0E-01	6.8E-03	c	7.8E-02
7.0E-02	I	2.0E-05	I					V		1	0.14		~Polychlorinated Biphenyls (lowest risk)	1336-36-3					1.4E-01	c	6.1E-01	c			5.0E-01			

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
1.3E+01	W	3.8E-03	W	7.0E-06	W	4.0E-04	W			1	0.14		~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	3.8E-02	c*	1.6E-01	c*	7.4E-04	c	3.2E-03	c	6.0E-03	c*		9.4E-04	c*	
3.9E+01	W	1.1E-02	W	2.3E-06	W	1.3E-04	W	V		1	0.14		~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	1.2E-02	c*	4.8E-02	c*	2.5E-04	c	1.1E-03	c	4.0E-04	c		6.2E-05	c	
						6.0E-04	I			1	0.1		Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	8.5E+05	nm	3.6E+06	nm	6.3E-01	n	2.6E+00	n						
													Polynuclear Aromatic Hydrocarbons (PAHs)															
				6.0E-02	I			V		1	0.13		~Acenaphthene	83-32-9	3.6E+03	n	4.5E+04	n					5.3E+02	n		5.5E+00	n	
				3.0E-01	I			V		1	0.13		~Anthracene	120-12-7	1.8E+04	n	2.3E+05	nm					1.8E+03	n		5.8E+01	n	
1.0E-01	E	6.0E-05	E					V	M	1	0.13		~Benz[a]anthracene	56-55-3	1.1E+00	c	2.1E+01	c	1.7E-02	c	2.0E-01	c	3.0E-02	c		1.1E-02	c	
				9.0E-05	X	2.0E-06	X			1	0.1		~Benzo(e)pyrene	192-97-2	5.7E+00	n	7.3E+01	n	2.1E-03	n	8.8E-03	n	1.8E+00	n		2.2E+00	n	
1.2E+00	C	1.1E-04	C							1	0.13		~Benzo(j)fluoranthene	205-82-3	4.2E-01	c	1.8E+00	c	2.6E-02	c	1.1E-01	c	6.5E-02	c		7.8E-02	c	
1.0E+00	I	6.0E-04	I	3.0E-04	I	2.0E-06	I		M	1	0.13		~Benzo[a]pyrene	50-32-8	1.1E-01	c	2.1E+00	c	1.7E-03	c**	8.8E-03	n	2.5E-02	c	2.0E-01	2.9E-02	c	2.4E-01
1.0E-01	E	6.0E-05	E						M	1	0.13		~Benzo[b]fluoranthene	205-99-2	1.1E+00	c	2.1E+01	c	1.7E-02	c	2.0E-01	c	2.5E-01	c		3.0E-01	c	
1.0E-02	E	6.0E-06	E						M	1	0.13		~Benzo[k]fluoranthene	207-08-9	1.1E+01	c	2.1E+02	c	1.7E-01	c	2.0E+00	c	2.5E+00	c		2.9E+00	c	
				8.0E-02	I			V		1	0.13		~Chloronaphthalene, Beta-	91-58-7	4.8E+03	n	6.0E+04	n					7.5E+02	n		3.9E+00	n	
1.0E-03	E	6.0E-07	E						M	1	0.13		~Chrysene	218-01-9	1.1E+02	c	2.1E+03	c	1.7E+00	c	2.0E+01	c	2.5E+01	c		9.0E+00	c	
1.0E+00	E	6.0E-04	E						M	1	0.13		~Dibenz[a,h]anthracene	53-70-3	1.1E-01	c	2.1E+00	c	1.7E-03	c	2.0E-02	c	2.5E-02	c		9.6E-02	c	
1.2E+01	C	1.1E-03	C							1	0.13		~Dibenzo(a,e)pyrene	192-65-4	4.2E-02	c	1.8E-01	c	2.6E-03	c	1.1E-02	c	6.5E-03	c		8.4E-02	c	
2.5E+02	C	7.1E-02	C						M	1	0.13		~Dimethylbenz(a)anthracene, 7,12-	57-97-6	4.6E-04	c	8.4E-03	c	1.4E-05	c	1.7E-04	c	1.0E-04	c		9.9E-05	c	
				4.0E-02	I					1	0.13		~Fluoranthene	206-44-0	2.4E+03	n	3.0E+04	n					8.0E+02	n		8.9E+01	n	
				4.0E-02	I			V		1	0.13		~Fluorene	86-73-7	2.4E+03	n	3.0E+04	n					2.9E+02	n		5.4E+00	n	
1.0E-01	E	6.0E-05	E						M	1	0.13		~Indeno[1,2,3-cd]pyrene	193-39-5	1.1E+00	c	2.1E+01	c	1.7E-02	c	2.0E-01	c	2.5E-01	c		9.8E-01	c	
2.9E-02	P			7.0E-02	A			V		1	0.13	3.9E+02	~Methylnaphthalene, 1-	90-12-0	1.8E+01	c	7.3E+01	c					1.1E+00	c		6.0E-03	c	
				4.0E-03	I			V		1	0.13		~Methylnaphthalene, 2-	91-57-6	2.4E+02	n	3.0E+03	n					3.6E+01	n		1.9E-01	n	
1.2E-01	C	3.4E-05	C	2.0E-02	I	3.0E-03	I	V		1	0.13		~Naphthalene	91-20-3	2.0E+00	c*	8.6E+00	c*	8.3E-02	c*	3.6E-01	c*	1.2E-01	c*		3.8E-04	c*	
1.2E+00	C	1.1E-04	C							1	0.13		~Nitropyrene, 4-	57835-92-4	4.2E-01	c	1.8E+00	c	2.6E-02	c	1.1E-01	c	1.9E-02	c		3.3E-03	c	
				3.0E-02	I			V		1	0.13		~Pyrene	129-00-0	1.8E+03	n	2.3E+04	n					1.2E+02	n		1.3E+01	n	
1.5E-01	I			9.0E-03	I					1	0.1		Prochloraz	67747-09-5	3.6E+00	c	1.5E+01	c					3.8E-01	c		1.9E-03	c	
				6.0E-03	H			V		1			Profluralin	26399-36-0	4.7E+02	n	7.0E+03	n					2.6E+01	n		1.6E+00	n	
				1.5E-02	I					1	0.1		Prometon	1610-18-0	9.5E+02	n	1.2E+04	n					2.5E+02	n		1.2E-01	n	
				4.0E-02	O					1	0.1		Prometryn	7287-19-6	2.5E+03	n	3.3E+04	n					6.0E+02	n		9.0E-01	n	
				7.5E-02	I					1	0.1		Pronamide	23950-58-5	4.7E+03	n	6.2E+04	n					1.2E+03	n		1.2E+00	n	
				1.3E-02	I					1	0.1		Propachlor	1918-16-7	8.2E+02	n	1.1E+04	n					2.5E+02	n		1.5E-01	n	
				5.0E-03	I					1	0.1		Propanil	709-98-8	3.2E+02	n	4.1E+03	n					8.2E+01	n		4.5E-02	n	
1.9E-01	O			4.0E-02	O					1	0.1		Propargite	2312-35-8	2.8E+00	c	1.2E+01	c					1.6E-01	c		1.1E-02	c	
				2.0E-03	I			V		1		1.1E+05	Propargyl Alcohol	107-19-7	1.6E+02	n	2.3E+03	n					4.0E+01	n		8.1E-03	n	
				2.0E-02	I					1	0.1		Propazine	139-40-2	1.3E+03	n	1.6E+04	n					3.4E+02	n		3.0E-01	n	
				2.0E-02	I					1	0.1		Propham	122-42-9	1.3E+03	n	1.6E+04	n					3.5E+02	n		2.2E-01	n	
				1.0E-01	O					1	0.1		Propiconazole	60207-90-1	6.3E+03	n	8.2E+04	n					1.6E+03	n		5.3E+00	n	
						8.0E-03	I	V		1		3.3E+04	Propionaldehyde	123-38-6	7.5E+01	n	3.1E+02	n	8.3E+00	n	3.5E+01	n	1.7E+01	n		3.4E-03	n	
				1.0E-01	X	1.0E+00	X	V		1		2.6E+02	Propyl benzene	103-65-1	3.8E+03	ns	2.4E+04	ns	1.0E+03	n	4.4E+03	n	6.6E+02	n		1.2E+00	n	
						3.0E+00	C	V		1		3.5E+02	Propylene	115-07-1	2.2E+03	ns	9.3E+03	ns	3.1E+03	n	1.3E+04	n	6.3E+03	n		6.0E+00	n	
				2.0E+01	P					1	0.1		Propylene Glycol	57-55-6	1.3E+06	nm	1.6E+07	nm					4.0E+05	n		8.1E+01	n	
						2.7E-04	A			1	0.1		Propylene Glycol Dinitrate	6423-43-4	3.9E+05	nm	1.6E+06	nm	2.8E-01	n	1.2E+00	n						
				7.0E-01	H	2.0E+00	I	V		1		1.1E+05	Propylene Glycol Monomethyl Ether	107-98-2	4.1E+04	n	3.7E+05	nms	2.1E+03	n	8.8E+03	n	3.2E+03	n		6.5E-01	n	
2.4E-01	I	3.7E-06	I			3.0E-02	I	V		1		7.8E+04	Propylene Oxide	75-56-9	2.1E+00	c	9.7E+00	c	7.6E-01	c*	3.3E+00	c*	2.7E-01	c		5.6E-05	c	
				1.0E-03	I			V		1		5.3E+05	Pyridine	110-86-1	7.8E+01	n	1.2E+03	n					2.0E+01	n		6.8E-03	n	
				5.0E-04	I					1	0.1		Quinalphos	13593-03-8	3.2E+01	n	4.1E+02	n					5.1E+00	n		4.3E-02	n	
3.0E+00	I									1	0.1		Quinoline	91-22-5	1.8E-01	c	7.7E-01	c					2.4E-02	c		7.8E-05	c	
				9.0E-03	I					1	0.1		Quizalofop-ethyl	76578-14-8	5.7E+02	n	7.4E+03	n					1.2E+02	n		1.9E+00	n	
						3.0E+04	A			1			Refractory Ceramic Fibers (units in fibers)	E715557					3.1E+04	G	1.3E+05	G						
				3.0E-02	I					1	0.1		Resmethrin	10453-86-8	1.9E+03	n	2.5E+04	n					6.7E+01	n		4.2E+01	n	
				5.0E-02	H			V		1			Ronnel	299-84-3	3.9E+03	n	5.8E+04	n					4.1E+02	n		3.7E+00	n	
				4.0E-03	I					1	0.1		Rotenone	83-79-4	2.5E+02	n	3.3E+03	n					6.1E+01	n		3.2E+01	n	
2.2E-01	C	6.3E-05	C						M	1	0.1		Safrole	94-59-7	5.5E-01	c	1.0E+01	c	1.6E-02	c	1.9E-01	c	9.6E-02	c		5.9E-05	c	
				5.0E-03	I					1			Selenious Acid	7783-00-8	3.9E+02	n	5.8E+03	n					1.0E+02	n				
				5.0E-03	I	2.0E-02	C			1			Selenium	7782-49-2	3.9E+02	n	5.8E+03	n	2.1E+01	n	8.8E+01	n	1.0E+02	n	5.0E+01	5.2E-01	n	2.6E-01
				5.0E-03	C	2.0E-02	C			1			Selenium Sulfide	7446-34-6	3.9E+02	n	5.8E+03	n	2.1E+01	n	8.8E+01	n	1.0E+02	n				
				1.4E-01	O					1	0.1		Sethoxydim	74051-80-2	8.8E+03	n	1.1E+05	nm					1.6E+03	n		1.4E+01	n	
						3.0E-03	C			1			Silica (crystalline, respirable)	7631-86-9	4.3E+06	nm	1.8E+07	nm	3.1E+00	n	1.3E+01	n						
				5.0E-03	I					0.04			Silver	7440-22-4	3.9E+02	n	5.8E+03	n					9.4E+01	n		8.0E-01	n	
1.2E-01	H			5.0E-03	I					1	0.1		Simazine	122-34-9	4.5E+00	c*	1.9E+01	c					6.1E-01	c	4.0E+00	3.0E-04	c	2.0E-03
				1.3E-02	I					1	0.1		Sodium Acifluorfen	62476-59-9	8.2E+02	n	1.1E+04	n					2.6E+02	n		2.1E+00	n	
				4.0E-03	I					1			Sodium Azide	26628-22-8	3.1E+02	n	4.7E+03	n					8.0E+01	n				
2.7E-01	H			3.0E-02	I					1	0.1		Sodium Diethyldithiocarbamate	148-18-5	2.0E+00	c	8.5E+00	c					2.9E-01	c		1.8E-04	c	
				5.0E-02	A	1.3E-02	C			1			Sodium Fluoride	7681-49-4	3.9E+03	n	5.8E+04	n	1.4E+01	n	5.7E+01	n	1.0E+03	n	4.0E+03	1.5E+02	n	6.0E+02
				2.0E-05	I					1	0.1		Sodium Fluoroacetate	62-74-8	1.3E+00	n	1.6E+01	n					4.0E-01	n		8.1E-05	n	
				1.0E-03	H					1			Sodium Metavanadate	13718-26-8	7.8E+01	n	1.2E+03	n					2.0E+01	n				
				8.0E-04	P					1			Sodium Tungstate	13472-45-2	6.3E+01	n	9.3E+02	n					1.6E+01	n				
				8.0E-04	P					1			Sodium Tungstate Dihydrate	10213-10-2	6.3E+01	n	9.3E+02	n					1.6E+01	n				
2.4E-02	H			3.0E-02	I					1	0.1		Stirofos (Tetrachlorovinphos)	961-11-5	2.3E+01	c*	9.6E+01	c					2.8E+00	c		8.2E-03	c	
				6.0E-01	I					1			Strontium, Stable	7440-24-6	4.7E+04	n	7.0E+05	nm					1.2E+04	n		4.2E+02	n	
				3.0E-04	I					1	0.1		Strychnine	57-24-9	1.9E+01	n	2.5E+02	n					5.9E+00	n		6.5E-02	n	
				2.0E-01	I	1.0E+00	I	V		1		8.7E+02	Styrene	100-42-5	6.0E+03	ns	3.5E+04	ns	1.0E+03	n	4.4E+03	n	1.2E+03	n	1.0E+02	1.3E+00	n	1.1E-01
				3.0E-03	P					1	0.1		Styrene-Acrylonitrile (SAN) Trimer (THNA isomer)	57964-39-3	1.9E+02	n	2.5E+03	n					4.8E+01	n				
				3.0E-03	P					1	0.1		Styrene-Acrylonitrile (SAN) Trimer (THNP isomer)	57964-40-6	1.9E+02	n	2.5E+03	n					4.8E+01	n				
				1.0E-03	P	2.0E-03	X			1	0.1		Sulfolane	126-33-0	6.3E+01	n	8.2E+02	n	2.1E+00	n	8.8E+00	n	2.0E+01	n		4.4E-03	n	
				8.0E-04	P					1	0.1		Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	5.1E+01	n	6.6E+02	n					1.1E+01	n		6.5E-02	n	
						1.0E-03	C	V		1			Sulfur Trioxide	7446-11-9	1.4E+06	nm	6.0E+06	nm	1.0E+00	n	4.4E+00	n	2.1E+00	n				
						1.0E-03	C			1			Sulfuric Acid	7664-93-9	1.4E+06	nm	6.0E+06	nm	1.0E+00	n	4.4E+00	n						
2.5E-02	I	7.1E-06	I	5.0E-02	H					1	0.1		Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl	140-57-8	2.2E+01	c	9.2E+01	c	4.0E-01	c	1.7E+00	c	1.3E+00	c		1.5E-02	c	

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
				3.0E-02	H					1	0.1		TCMTB	21564-17-0	1.9E+03	n	2.5E+04	n					4.8E+02	n		3.3E+00	n	
				7.0E-02	I					1	0.1		Tebuthiuron	34014-18-1	4.4E+03	n	5.7E+04	n					1.4E+03	n		3.9E-01	n	
				2.0E-02	H					1	0.1		Temephos	3383-96-8	1.3E+03	n	1.6E+04	n					4.0E+02	n		7.6E+01	n	
				1.3E-02	I					1	0.1		Terbacil	5902-51-2	8.2E+02	n	1.1E+04	n					2.5E+02	n		7.5E-02	n	
				2.5E-05	H			V		1		3.1E+01	Terbufos	13071-79-9	2.0E+00	n	2.9E+01	n					2.4E-01	n		5.2E-04	n	
				1.0E-03	I					1	0.1		Terbutryn	886-50-0	6.3E+01	n	8.2E+02	n					1.3E+01	n		1.9E-02	n	
5.0E-03	C	1.3E-06	C					V		1			Tert-Butyl Acetate	540-88-5	8.1E+00	c	3.6E+01	c	2.2E+00	c	9.4E+00	c	3.3E+00	c		7.6E-04	c	
				1.0E-04	I					1	0.1		Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	6.3E+00	n	8.2E+01	n					2.0E+00	n		5.3E-02	n	
				3.0E-05	P			V		1			Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.3E+00	n	3.5E+01	n					1.7E-01	n		7.9E-04	n	
2.6E-02	I	7.4E-06	I	3.0E-02	I			V		1		6.8E+02	Tetrachloroethane, 1,1,1,2-	630-20-6	2.0E+00	c	8.8E+00	c	3.8E-01	c	1.7E+00	c	5.7E-01	c		2.2E-04	c	
2.0E-01	I	5.8E-05	C	2.0E-02	I			V		1		1.9E+03	Tetrachloroethane, 1,1,2,2-	79-34-5	6.0E-01	c	2.7E+00	c	4.8E-02	c	2.1E-01	c	7.6E-02	c		3.0E-05	c	
2.1E-03	I	2.6E-07	I	6.0E-03	I	4.0E-02	I	V		1		1.7E+02	Tetrachloroethylene	127-18-4	2.4E+01	c**	1.0E+02	c**	1.1E+01	c**	4.7E+01	c**	1.1E+01	c**	5.0E+00	5.1E-03	c**	2.3E-03
				3.0E-02	I					1	0.1		Tetrachlorophenol, 2,3,4,6-	58-90-2	1.9E+03	n	2.5E+04	n					2.4E+02	n		1.8E-01	n	
1.6E+01	X			6.0E-05	X			V		1			Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	4.3E-02	c	2.0E-01	c					1.7E-03	c		5.7E-06	c	
				5.0E-04	I					1	0.1		Tetraethyl Dithiopyrophosphate	3689-24-5	3.2E+01	n	4.1E+02	n					7.1E+00	n		5.2E-03	n	
						8.0E+01	I	V		1		2.1E+03	Tetrafluoroethane, 1,1,1,2-	811-97-2	1.0E+05	nms	4.3E+05	nms	8.3E+04	n	3.5E+05	n	1.7E+05	n		9.3E+01	n	
				1.0E-04	X					1	0.1		Tetramethylphosphoramide, -N,N,N',N" (TMPA)	16853-36-4	6.3E+00	n	8.2E+01	n					2.0E+00	n				
				2.0E-03	P					1	0.00065		Tetryl (Trinitrophenylmethylnitramine)	479-45-8	1.6E+02	n	2.3E+03	n					3.9E+01	n		3.7E-01	n	
				2.0E-05	G					1			Thallic Oxide	1314-32-5	1.6E+00	n	2.3E+01	n					4.0E-01	n				
				1.0E-05	X					1			Thallium (I) Nitrate	10102-45-1	7.8E-01	n	1.2E+01	n					2.0E-01	n				
				1.0E-05	X					1			Thallium (Soluble Salts)	7440-28-0	7.8E-01	n	1.2E+01	n					2.0E-01	n	2.0E+00	1.4E-02	n	1.4E-01
				1.0E-05	X			V		1			Thallium Acetate	563-68-8	7.8E-01	n	1.2E+01	n					2.0E-01	n		4.1E-05	n	
				2.0E-05	X					1	0.1		Thallium Carbonate	6533-73-9	1.3E+00	n	1.6E+01	n					4.0E-01	n		8.3E-05	n	
				1.0E-05	X					1			Thallium Chloride	7791-12-0	7.8E-01	n	1.2E+01	n					2.0E-01	n				
				1.0E-05	G					1			Thallium Selenite	12039-52-0	7.8E-01	n	1.2E+01	n					2.0E-01	n				
				2.0E-05	X					1			Thallium Sulfate	7446-18-6	1.6E+00	n	2.3E+01	n					4.0E-01	n				
				4.3E-02	O					1	0.1		Thifensulfuron-methyl	79277-27-3	2.7E+03	n	3.5E+04	n					8.6E+02	n		2.6E-01	n	
				1.0E-02	I					1	0.1		Thiobencarb	28249-77-6	6.3E+02	n	8.2E+03	n					1.6E+02	n		5.5E-01	n	
				7.0E-02	X					1	0.0075		Thiodiglycol	111-48-8	5.4E+03	n	7.9E+04	n					1.4E+03	n		2.8E-01	n	
				3.0E-04	H					1	0.1		Thiofanox	39196-18-4	1.9E+01	n	2.5E+02	n					5.3E+00	n		1.8E-03	n	
1.2E-02	O			1.6E-01	O					1	0.1		Thiophanate, Methyl	23564-05-8	4.7E+01	c	2.0E+02	c					6.7E+00	c		5.7E-03	c	
				1.5E-02	O					1	0.1		Thiram	137-26-8	9.5E+02	n	1.2E+04	n					2.9E+02	n		4.2E-01	n	
				6.0E-01	H					1			Tin	7440-31-5	4.7E+04	n	7.0E+05	nm					1.2E+04	n		3.0E+03	n	
						1.0E-04	A	V		1			Titanium Tetrachloride	7550-45-0	1.4E+05	nm	6.0E+05	nm	1.0E-01	n	4.4E-01	n	2.1E-01	n				
				8.0E-02	I	5.0E+00	I	V		1		8.2E+02	Toluene	108-88-3	4.9E+03	ns	4.7E+04	ns	5.2E+03	n	2.2E+04	n	1.1E+03	n	1.0E+03	7.6E-01	n	6.9E-01
3.9E-02	C	1.1E-05	C			8.0E-06	C	V		1			Toluene-2,4-diisocyanate	584-84-9	6.4E+00	n	2.7E+01	n	8.3E-03	n	3.5E-02	n	1.7E-02	n		2.5E-04	n	
1.8E-01	X			2.0E-04	X					1	0.1		Toluene-2,5-diamine	95-70-5	3.0E+00	c**	1.3E+01	c*					4.3E-01	c**		1.3E-04	c**	
3.9E-02	C	1.1E-05	C			8.0E-06	C	V		1		1.7E+03	Toluene-2,6-diisocyanate	91-08-7	5.3E+00	n	2.2E+01	n	8.3E-03	n	3.5E-02	n	1.7E-02	n		2.6E-04	n	
				1.0E-04	X					1	0.1		Toluenediamine, 2,3-	2687-25-4	6.3E+00	n	8.2E+01	n					2.0E+00	n		6.2E-04	n	
				1.0E-04	X					1	0.1		Toluenediamine, 3,4-	496-72-0	6.3E+00	n	8.2E+01	n					2.0E+00	n		6.2E-04	n	
				5.0E-03	P					1	0.1		Toluic Acid, p-	99-94-5	3.2E+02	n	4.1E+03	n					9.0E+01	n		2.3E-02	n	
1.6E-02	P	5.1E-05	C							1	0.1		Toluidine, o- (Methylaniline, 2-)	95-53-4	3.4E+01	c	1.4E+02	c	5.5E-02	c	2.4E-01	c	4.7E+00	c		2.0E-03	c	
3.0E-02	P			4.0E-03	X					1	0.1		Toluidine, p-	106-49-0	1.8E+01	c*	7.7E+01	c*					2.5E+00	c*		1.1E-03	c*	
				3.0E+00	P			V		1		3.4E-01	Total Petroleum Hydrocarbons (Aliphatic High)	E1790670	2.3E+05	nms	3.5E+06	nms					6.0E+04	n		2.4E+03	n	
				5.0E-03	P	4.0E-01	P	V		1		5.2E+01	Total Petroleum Hydrocarbons (Aliphatic Low)	E1790666	2.1E+02	ns	1.5E+03	ns	4.2E+02	n	1.8E+03	n	9.0E+01	n		9.8E-02	n	
				1.0E-02	X	1.0E-01	P	V		1		6.9E+00	Total Petroleum Hydrocarbons (Aliphatic Medium)	E1790668	9.6E+01	ns	4.4E+02	ns	1.0E+02	n	4.4E+02	n	1.0E+02	n		1.5E+00	n	
				3.0E-04	P	2.0E-06	P		M	1	0.13		Total Petroleum Hydrocarbons (Aromatic High)	E1790676	1.8E+01	n	2.2E+02	n	2.1E-03	n	8.8E-03	n	6.0E+00	n		7.1E+00	n	
				1.0E-02	P	6.0E-02	P	V		1		2.3E+02	Total Petroleum Hydrocarbons (Aromatic Medium)	E1790674	3.0E+02	ns	1.7E+03	ns	6.3E+01	n	2.6E+02	n	5.7E+01	n		8.3E-02	n	
1.1E+00	I	3.2E-04	I	9.0E-05	P					1	0.1		Toxaphene	8001-35-2	4.9E-01	c*	2.1E+00	c*	8.8E-03	c	3.8E-02	c	7.1E-02	c*	3.0E+00	1.1E-02	c*	4.6E-01
				3.0E-05	X					1	0.1		Toxaphene, Weathered	E1841606	1.9E+00	n	2.5E+01	n					6.0E-01	n		9.3E-02	n	
				7.5E-03	I					1	0.1		Tralomethrin	66841-25-6	4.7E+02	n	6.2E+03	n					1.5E+02	n		5.8E+01	n	
				3.0E-04	A			V		1			Tri-n-butyltin	688-73-3	2.3E+01	n	3.5E+02	n					3.7E+00	n		8.2E-02	n	
				8.0E+01	X					1	0.1		Triacetin	102-76-1	5.1E+06	nm	6.6E+07	nm					1.6E+06	n		4.5E+02	n	
				3.4E-02	O					1	0.1		Triadimefon	43121-43-3	2.1E+03	n	2.8E+04	n					6.3E+02	n		5.0E-01	n	
7.2E-02	O			2.5E-02	O			V		1			Triallate	2303-17-5	9.7E+00	c	4.6E+01	c					4.7E-01	c		1.0E-03	c	
				1.0E-02	I					1	0.1		Triasulfuron	82097-50-5	6.3E+02	n	8.2E+03	n					2.0E+02	n		2.1E-01	n	
				8.0E-03	I					1	0.1		Tribenuron-methyl	101200-48-0	5.1E+02	n	6.6E+03	n					1.6E+02	n		6.1E-02	n	
				5.0E-03	I			V		1			Tribromobenzene, 1,2,4-	615-54-3	3.9E+02	n	5.8E+03	n					4.5E+01	n		6.4E-02	n	
				9.0E-03	X					1	0.1		Tribromophenol, 2,4,6-	118-79-6	5.7E+02	n	7.4E+03	n					1.2E+02	n		2.2E-01	n	
				2.0E-04	O					1	0.1		Tribufos	78-48-8	1.3E+01	n	1.6E+02	n					5.7E-01	n		2.8E-03	n	
9.0E-03	P			1.0E-02	P					1	0.1		Tributyl Phosphate	126-73-8	6.0E+01	c*	2.6E+02	c*					5.2E+00	c*		2.5E-02	c*	
				3.0E-04	P					1	0.1		Tributyltin Compounds	E1790679	1.9E+01	n	2.5E+02	n					6.0E+00	n				
				3.0E-04	I					1	0.1		Tributyltin Oxide	56-35-9	1.9E+01	n	2.5E+02	n					5.7E+00	n		2.9E+02	n	
										1	0.1		Trichloramine	10025-85-1											4.0E+03(G)			
				3.0E+01	I	5.0E+00	P	V		1		9.1E+02	Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.7E+03	ns	2.8E+04	ns	5.2E+03	n	2.2E+04	n	1.0E+04	n		2.6E+01	n	
7.0E-02	I			2.0E-02	I					1	0.1		Trichloroacetic Acid	76-03-9	7.8E+00	c	3.3E+01	c					1.1E+00	c	6.0E+01(G)	2.2E-04	c	1.2E-02
2.9E-02	H									1	0.1		Trichloroaniline HCl, 2,4,6-	33663-50-2	1.9E+01	c	7.9E+01	c					2.7E+00	c		7.4E-03	c	
7.0E-03	X			3.0E-05	X					1	0.1		Trichloroaniline, 2,4,6-	634-93-5	1.9E+00	n	2.5E+01	n					4.0E-01	n		3.6E-03	n	
				8.0E-04	X			V		1			Trichlorobenzene, 1,2,3-	87-61-6	6.3E+01	n	9.3E+02	n					7.0E+00	n		2.1E-02	n	
2.9E-02	P			1.0E-02	I	2.0E-03	P	V		1		4.0E+02	Trichlorobenzene, 1,2,4-	120-82-1	2.4E+01	c**	1.1E+02	c**	2.1E+00	n	8.8E+00	n	1.2E+00	c**	7.0E+01	3.4E-03	c**	2.0E-01
				2.0E+00	I	5.0E+00	I	V		1		6.4E+02	Trichloroethane, 1,1,1-	71-55-6	8.1E+03	ns	3.6E+04	ns	5.2E+03	n	2.2E+04	n	8.0E+03	n	2.0E+02	2.8E+00	n	7.0E-02
5.7E-02	I	1.6E-05	I	4.0E-03	I	2.0E-04	X	V		1		2.2E+03	Trichloroethane, 1,1,2-	79-00-5	1.1E+00	c**	5.0E+00	c**	1.8E-01	c**	7.7E-01	c**	2.8E-01	c**	5.0E+00	8.9E-05	c**	1.6E-03
4.6E-02	I	4.1E-06	I	5.0E-04	I	2.0E-03	I	V	M	1		6.9E+02	Trichloroethylene	79-01-6	9.4E-01	c**	6.0E+00	c**	4.8E-01	c**	3.0E+00	c**	4.9E-01	c**	5.0E+00	1.8E-04	c**	1.8E-03
				3.0E-01	I			V		1		1.2E+03	Trichlorofluoromethane	75-69-4	2.3E+04	ns	3.5E+05	nms					5.2E+03	n		3.3E+00	n	
				1.0E-01	I					1	0.1		Trichlorophenol, 2,4,5-	95-95-4	6.3E+03	n	8.2E+04	n					1.2E+03	n		4.0E+00	n	
1.1E-02	I	3.1E-06	I	1.0E-03	P					1	0.1		Trichlorophenol, 2,4,6-	88-06-2	4.9E+01	c**	2.1E+02	c**	9.1E-01	c	4.0E+00	c	4.1E+00	c**		4.0E-03	c**	
				1.0E-02	I					1	0.1		Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	6.3E+02	n	8.2E+03	n					1.6E+02	n		6.8E-02	n	
				8.0E-03	I					1	0.1		Trichlorophenoxypropionic acid, -2,4,5	93-72-1	5.1E+02	n	6.6E+03	n					1.1E+02	n	5.0E+01	6.1E-02	n	2.8E-02
				5.0E-03	I			V		1		1.3E+03	Trichloropropane, 1,1,2-	598-77-6	3.9E+02	n	5.8E+03	ns					8.8E+01	n		3.5E-02	n	

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Toxicity and Chemical-specific Information												Contaminant		Screening Levels											Protection of Groundwater SSLs		
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	mutagen	GIABS	ABS_d	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tap Water (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
3.0E+01	I			4.0E-03	I	3.0E-04	I	V	M	1		1.4E+03	Trichloropropane, 1,2,3-	96-18-4	5.1E-03	c	1.1E-01	c	3.1E-01	n	1.3E+00	n	7.5E-04	c		3.2E-07	c	
				3.0E-03	X	3.0E-04	P	V		1		3.1E+02	Trichloropropene, 1,2,3-	96-19-5	7.3E-01	n	3.1E+00	n	3.1E-01	n	1.3E+00	n	6.2E-01	n		3.1E-04	n	
				2.0E-02	A					1	0.1		Tricresyl Phosphate (TCP)	1330-78-5	1.3E+03	n	1.6E+04	n					1.6E+02	n		1.5E+01	n	
				3.0E-03	I					1	0.1		Tridiphane	58138-08-2	1.9E+02	n	2.5E+03	n					1.8E+01	n		1.3E-01	n	
						7.0E-03	I	V		1		2.8E+04	Triethylamine	121-44-8	1.2E+02	n	4.8E+02	n	7.3E+00	n	3.1E+01	n	1.5E+01	n		4.4E-03	n	
				2.0E+00	P					1	0.1		Triethylene Glycol	112-27-6	1.3E+05	nm	1.6E+06	nm					4.0E+04	n		8.8E+00	n	
						2.0E+01	P	V		1		4.8E+03	Trifluoroethane, 1,1,1-	420-46-2	1.5E+04	ns	6.2E+04	ns	2.1E+04	n	8.8E+04	n	4.2E+04	n		1.3E+02	n	
7.7E-03	I			7.5E-03	I			V		1			Trifluralin	1582-09-8	9.0E+01	c**	4.2E+02	c*					2.6E+00	c*		8.4E-02	c*	
2.0E-02	P			1.0E-02	P					1	0.1		Trimethyl Phosphate	512-56-1	2.7E+01	c*	1.1E+02	c*					3.9E+00	c*		8.6E-04	c*	
				1.0E-02	I	6.0E-02	I	V		1		2.9E+02	Trimethylbenzene, 1,2,3-	526-73-8	3.4E+02	ns	2.0E+03	ns	6.3E+01	n	2.6E+02	n	5.5E+01	n		8.1E-02	n	
				1.0E-02	I	6.0E-02	I	V		1		2.2E+02	Trimethylbenzene, 1,2,4-	95-63-6	3.0E+02	ns	1.8E+03	ns	6.3E+01	n	2.6E+02	n	5.6E+01	n		8.1E-02	n	
				1.0E-02	I	6.0E-02	I	V		1		1.8E+02	Trimethylbenzene, 1,3,5-	108-67-8	2.7E+02	ns	1.5E+03	ns	6.3E+01	n	2.6E+02	n	6.0E+01	n		8.7E-02	n	
				1.0E-02	X			V		1		3.0E+01	Trimethylpentene, 2,4,4-	25167-70-8	7.8E+02	ns	1.2E+04	ns					3.8E+01	n		1.3E-01	n	
				3.0E-02	I					1	0.019		Trinitrobenzene, 1,3,5-	99-35-4	2.2E+03	n	3.2E+04	n					5.9E+02	n		2.1E+00	n	
3.0E-02	I			5.0E-04	I					1	0.032		Trinitrotoluene, 2,4,6-	118-96-7	2.1E+01	c**	9.6E+01	c**					2.5E+00	c**		1.5E-02	c**	
				2.0E-02	P					1	0.1		Triphenylphosphine Oxide	791-28-6	1.3E+03	n	1.6E+04	n					3.6E+02	n		1.5E+00	n	
				2.0E-02	A					1	0.1		Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8	1.3E+03	n	1.6E+04	n					3.6E+02	n		8.0E+00	n	
				1.0E-02	X					1	0.1		Tris(1-chloro-2-propyl)phosphate	13674-84-5	6.3E+02	n	8.2E+03	n					1.9E+02	n		6.5E-01	n	
2.3E+00	C	6.6E-04	C					V		1		4.7E+02	Tris(2,3-dibromopropyl)phosphate	126-72-7	2.8E-01	c	1.3E+00	c	4.3E-03	c	1.9E-02	c	6.8E-03	c		1.3E-04	c	
2.0E-02	P			7.0E-03	P					1	0.1		Tris(2-chloroethyl)phosphate	115-96-8	2.7E+01	c*	1.1E+02	c*					3.8E+00	c*		3.8E-03	c*	
3.2E-03	P			1.0E-01	P					1	0.1		Tris(2-ethylhexyl)phosphate	78-42-2	1.7E+02	c*	7.2E+02	c					2.4E+01	c*		1.2E+02	c*	
				8.0E-04	P					1			Tungsten	7440-33-7	6.3E+01	n	9.3E+02	n					1.6E+01	n		2.4E+00	n	
				2.0E-04	A	4.0E-05	A			1			Uranium	7440-61-1	1.6E+01	n	2.3E+02	n	4.2E-02	n	1.8E-01	n	4.0E+00	n	3.0E+01	1.8E+00	n	1.4E+01
1.0E+00	C	2.9E-04	C						M	1	0.1		Urethane	51-79-6	1.2E-01	c	2.3E+00	c	3.5E-03	c	4.2E-02	c	2.5E-02	c		5.6E-06	c	
		8.3E-03	P	9.0E-03	I	7.0E-06	P			0.026			Vanadium Pentoxide	1314-62-1	4.6E+02	c**	2.0E+03	c**	3.4E-04	c*	1.5E-03	c*	1.5E+02	n				
				5.0E-03	G	1.0E-04	A			0.026			Vanadium and Compounds	7440-62-2	3.9E+02	n	5.8E+03	n	1.0E-01	n	4.4E-01	n	8.6E+01	n		8.6E+01	n	
				1.0E-03	I			V		1			Vernolate	1929-77-7	7.8E+01	n	1.2E+03	n					1.1E+01	n		8.9E-03	n	
				1.2E-03	O					1	0.1		Vinclozolin	50471-44-8	7.6E+01	n	9.8E+02	n					2.1E+01	n		1.6E-02	n	
				1.0E+00	H	2.0E-01	I	V		1		2.8E+03	Vinyl Acetate	108-05-4	9.1E+02	n	3.8E+03	ns	2.1E+02	n	8.8E+02	n	4.1E+02	n		8.7E-02	n	
		1.5E-05	P			3.0E-03	I	V		1		2.5E+03	Vinyl Bromide	593-60-2	2.6E-01	c*	1.1E+00	c*	1.9E-01	c*	8.2E-01	c*	3.7E-01	c*		1.1E-04	c*	
7.2E-01	I	4.4E-06	I	3.0E-03	I	8.0E-02	A	V	M	1		3.9E+03	Vinyl Chloride	75-01-4	5.9E-02	c	1.7E+00	c	1.7E-01	c	2.8E+00	c	1.9E-02	c	2.0E+00	6.5E-06	c	6.9E-04
				3.0E-04	I					1	0.1		Warfarin	81-81-2	1.9E+01	n	2.5E+02	n					5.6E+00	n		5.9E-03	n	
				2.0E-01	G	1.0E-01	G	V		1		3.9E+02	Xylene, m-	108-38-3	5.5E+02	ns	2.4E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.9E-01	n	
				2.0E-01	G	1.0E-01	G	V		1		4.3E+02	Xylene, o-	95-47-6	6.4E+02	ns	2.8E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.9E-01	n	
				2.0E-01	G	1.0E-01	G	V		1		3.9E+02	Xylene, p-	106-42-3	5.6E+02	ns	2.4E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.9E-01	n	
				2.0E-01	I	1.0E-01	I	V		1		2.6E+02	Xylenes	1330-20-7	5.8E+02	ns	2.5E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n	1.0E+04	1.9E-01	n	9.9E+00
				3.0E-04	I					1			Zinc Phosphide	1314-84-7	2.3E+01	n	3.5E+02	n					6.0E+00	n				
				3.0E-01	I					1			Zinc and Compounds	7440-66-6	2.3E+04	n	3.5E+05	nm					6.0E+03	n		3.7E+02	n	
				5.0E-02	I					1	0.1		Zineb	12122-67-7	3.2E+03	n	4.1E+04	n					9.9E+02	n		2.9E+00	n	
				8.0E-05	X					1			Zirconium	7440-67-7	6.3E+00	n	9.3E+01	n					1.6E+00	n		4.8E+00	n	

APPENDIX C

USGS AVERAGE CONCENTRATIONS OF ELEMENTS IN POLK COUNTY, ARKANSAS

Average concentrations of elements in Polk County, Arkansas

Counties page > As in Conterminous US > As in south-central US > Averages in Polk County **(Calculated from cells in the geochemical grid plotting in this area.)**

Element	Symbol	Mean	Std. dev.	Minimum	Maximum
Aluminum	Al (wt%)	3.319	0.624	1.655	4.573
Arsenic	As (ppm)	6.532	2.055	2.225	10.088
Calcium	Ca (wt%)	0.098	0.032	0.048	0.258
Copper	Cu (ppm)	14.253	6.350	4.491	34.107
Iron	Fe (wt%)	1.994	0.541	0.807	3.291
Mercury	Hg (ppm)	0.047	0.029	0.016	0.166
Magnesium	Mg (wt%)	0.252	0.058	0.111	0.426
Manganese	Mn (ppm)	461.161	181.384	128.444	1167.910
Sodium	Na (wt%)	0.171	0.042	0.094	0.337
Phosphorus	P (wt%)	0.033	0.011	0.013	0.071
Lead	Pb (ppm)	12.003	3.683	4.177	30.006
Selenium	Se (ppm)	0.580	0.220	0.214	1.165
Titanium	Ti (wt%)	0.224	0.024	0.140	0.272
Zinc	Zn (ppm)	67.433	33.767	19.675	258.067

Download point data as CSV

APPENDIX D

PHOTOGRAPHIC DOCUMENTATION

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR							
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	1	**Of**	44	**Date:**	10/20/21	**Time:**	12:05	
Description:	Surface soil background sample 1 (SSBK-01)							

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	2	**Of**	44	**Date:**	10/20/21	**Time:**	12:19	
Description:	Surface soil background sample 2 (SSBK-02)							

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR							
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	3	**Of**	44	**Date:**	10/19/21	**Time:**	16:30	
Description:	Surface soil site characterization sample 1 (SS-01)							

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	4	**Of**	44	**Date:**	10/19/21	**Time:**	14:40	
Description:	SS-02							

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	5	**Of**	44	**Date:**	10/19/21	**Time:**	14:32
Description:	SS-03						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	6	**Of**	44	**Date:**	10/19/21	**Time:**	13:12
Description:	SS-04						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	7	**Of**	44	**Date:**	10/19/21	**Time:**	13:33
Description:	SS-05						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	8	**Of**	44	**Date:**	10/19/21	**Time:**	13:37
Description:	SS-06 and SS-07						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	9	**Of**	44	**Date:**	10/19/21	**Time:**	14:55
Description:	SS-08						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	10	**Of**	44	**Date:**	10/19/21	**Time:**	14:08
Description:	SS-09						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	11	**Of**	44	**Date:**	10/19/21	**Time:**	15:00
Description:	SS-10						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	12	**Of**	44	**Date:**	10/19/21	**Time:**	15:41
Description:	SS-11						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	13	**Of**	44	**Date:**	10/19/21	**Time:**	15:39
Description:	SS-12						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	14	**Of**	44	**Date:**	10/20/21	**Time:**	11:14
Description:	SS-13						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	15	**Of**	44	**Date:**	10/20/21	**Time:**	10:30
Description:	SS-14						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	16	**Of**	44	**Date:**	10/20/21	**Time:**	10:07
Description:	SS-15						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	17	**Of**	44	**Date:**	10/20/21	**Time:**	11:30
Description:	SS-16						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	18	**Of**	44	**Date:**	10/20/21	**Time:**	11:31
Description:	SS-17						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	19	**Of**	44	**Date:**	10/20/21	**Time:**	11:21
Description:	SS-18						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	20	**Of**	44	**Date:**	10/20/21	**Time:**	9:33
Description:	SS-19						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	21	**Of**	44	**Date:**	10/20/21	**Time:**	10:15
Description:	SS-20						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	22	**Of**	44	**Date:**	10/20/21	**Time:**	10:24
Description:	SS-21						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	23	**Of**	44	**Date:**	10/20/21	**Time:**	11:02
Description:	SS-22						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	24	**Of**	44	**Date:**	10/20/21	**Time:**	11:02
Description:	SS-23						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	25	**Of**	44	**Date:**	10/19/21	**Time:**	12:06
Description:	Subsurface soil background sample 1 (SBSBK-01)						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	26	**Of**	44	**Date:**	10/19/21	**Time:**	14:45
Description:	Subsurface soil site characterization sample 1 (SBS-01)						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	27	**Of**	44	**Date:**	10/19/21	**Time:**	14:16
Description:	SBS-02						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	28	**Of**	44	**Date:**		**Time:**	14:21
Description:	SBS-03						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	29	**Of**	44	**Date:**	10/20/21	**Time:**	11:36
Description:	SBS-04						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	30	**Of**	44	**Date:**	10/20/21	**Time:**	9:43
Description:	SBS-05						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	31	**Of**	44	**Date:**	10/20/21	**Time:**	11:06
Description:	SBS-06						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	32	**Of**	44	**Date:**	10/20/21	**Time:**	12:03
Description:	Sediment background sample 1 (SDBK-01)						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR							
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	33	**Of**	44	**Date:**	10/19/21	**Time:**	15:30	
Description:	Sediment site characterization sample 1 (SD-01)							

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	34	**Of**	44	**Date:**	10/19/21	**Time:**		
Description:	SD-02							

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	35	**Of**	44	**Date:**	10/19/21	**Time:**	13:57
Description:	SD-03						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	36	**Of**	44	**Date:**	10/19/21	**Time:**	13:11
Description:	SD-04						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	37	**Of**	44	**Date:**	10/19/21	**Time:**	13:06
Description:	SD-05						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	38	**Of**	44	**Date:**	10/19/21	**Time:**	12:54
Description:	SD-06						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	39	**Of**	44	**Date:**	10/20/21	**Time:**	9:26
Description:	SD-07						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	40	**Of**	44	**Date:**	10/20/21	**Time:**	9:45
Description:	SD-08						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR						
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	41	**Of**	44	**Date:**	10/20/21	**Time:**	9:05
Description:	SD-09						

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine		
Photo #	42	**Of**	44	**Date:**	10/20/21	**Time:**	10:28
Description:	Overview of AOC 1						

Division of Environmental Quality (DEQ)
Official Photograph Sheet

Location:	Lewis Lumber, Cove, AR							
Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	43	**Of**	44	**Date:**	10/20/21	**Time:**	10:28	
Description:	CCA Treatment Building area in AOC 2							

Photographer:	Anna Gayle Griffiths			**Witness:**	Chelsea Whetstine			
Photo #	44	**Of**	44	**Date:**	10/20/21	**Time:**	11:42	
Description:	Hazardous waste label observed onsite.