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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

April 29, 2019

Mr. Joel Petty, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

EPA CONTRACT NO: EP-S2-14-01
TDD No: TO-0370-0031
DC No: RST3-05-F-0081
SUBJECT: FINAL REMOVAL ACTION REPORT – RV2, REVISION 1
DEFERIET PAPER MILL SITE,
VILLAGE OF DEFERIET, JEFFERSON COUNTY, NEW YORK

Dear Mr. Petty,

Enclosed please find the Final Removal Action Report – RV2, Revision 1 for the Removal Action conducted by the U.S. Environmental Protection Agency (EPA) at the Deferiet Paper Mill Site (the Site) located in Deferiet, Jefferson County, New York. This report summarizes the removal activities performed at the Site from July 13 through 28, 2017, August 28 through 31, 2017, and November 7 through 16, 2017. The EPA comments in regards to the previous version (DCN: RST3-04-F-0113) of this deliverable have been incorporated.

If you have any questions or comments, please contact me at (908) 565-2987.

Sincerely,

WESTON SOLUTIONS, INC.

Michael Beuthe, CHMM
RST 3 Site Project Manager

Enclosure
cc: TDD File: TO-0370-0031

FINAL REMOVAL ACTION REPORT – RV2, REVISION 1

DEFERIET PAPER MILL SITE
Village of Deferiet, Jefferson County, New York

SSID No.: A26F
EPA ID No.: NYD002229169

DC No: RST3-05-F-0081
TDD No: TO-0370-0031
EPA CONTRACT No: EP-S2-14-01

Prepared for:

U.S. Environmental Protection Agency
Region II – Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

Prepared by:

Removal Support Team 3
Weston Solutions, Inc.
Federal East Division
Edison, New Jersey 08837

April 2019

TABLE OF CONTENTS

Content Page

1.0 INTRODUCTION 1
1.1 Site Location and Description 1
1.2 Site History and Background 1
2.0 REMOVAL ACTION OBJECTIVES 3
2.1 Site Conditions 3
2.2 ERRS Scope of Work 3
2.3 RST 3 Scope of Work 3
2.4 ON-SITE PERSONNEL 4
3.0 REMOVAL ACTION ACTIVITIES 4
3.1 Mobilization and Site Security 4
3.2 Air Monitoring 5
3.3 Container Inventory 5
3.4 Container Stabilization, Bulking, and Overpacking 5
3.5 Waste Profiling 6
4.0 OFF-SITE T&D 6

LIST OF ATTACHMENTS

ATTACHMENT A: FIGURES

Figure 1: Site Location Map
Figure 2: Original Container Locations – Company Garage and Former Fire Department
Figure 3: Original Container Locations – Boiler Room and Turbine Room

ATTACHMENT B: PHOTOGRAPHIC DOCUMENTATION LOG

ATTACHMENT C: TABLES

Table 1: Sample Collection Summary Table
Table 2: Liquid Waste Analytical Results Summary Table – Total CN and RCRA Characteristics

ATTACHMENT D: MANIFEST RECORDS

ATTACHMENT E: CERTIFICATES OF DISPOSAL

ATTACHMENT F: DISPOSAL FACILITY TICKET RECORDS

ATTACHMENT G: CHAIN OF CUSTODY RECORD

ATTACHMENT H: ANALYTICAL DATA PACKAGE – CONTAINER SAMPLES

ATTACHMENT I: ANALYTICAL DATA PACKAGE – DISPOSAL SAMPLES

1.0 INTRODUCTION

This Removal Action Report summarizes the removal action activities conducted at the Deferiet Paper Mill Site (the Site) from July 13 through 28, 2017, August 28 through 31, 2017, and November 7 through 16, 2017. The removal action activities were conducted by the U.S. Environmental Protection Agency (EPA), Region II, with support from EPA's Removal Support Team 3 (RST 3) contractor, Weston Solutions, Inc., and EPA's Emergency and Rapid Response Services (ERRS) contractor, Guardian Environmental Services, Inc. (GES) as well as GES's team subcontractor, Bronze Contracting, LLC (Bronze). This was the second removal action (RV2) taken at the Site and focused on removal of drums and containers of hazardous waste from the vacant on-site buildings at the Site.

1.1 Site Location and Description

The Site is located at 400 Anderson Avenue (44.03918056, -75.6838889) in the Village of Deferiet, Jefferson County, New York. The Site consists of various parcels of land and is bisected by the Power Canal, a diverted portion of the Black River. Numerous structures associated with the former production of paper remain, including administrative offices, a boiler house, a turbine room, machine areas, garages, raw material processing areas, and a wastewater treatment plant. While the Site measures approximately 128.5 acres, the focus of this removal action was only on the parcel located to the west of the Power Canal, measuring approximately 48 acres. Parcel #66.82-1-67 is approximately 47.49 acres and consists of various buildings, many of which have been partially demolished. A hydropower plant, operated by Brookfield Renewable Energy Group, is situated on the Power Canal and measures approximately half an acre.

The Site is currently unused, with the exception of the hydropower plant located on the Power Canal. North of the Site is a vacant lot, the Village of Deferiet Volunteer Fire Department, the Black River, and a landfill currently managed by the New York State Department of Environmental Conservation (NYSDEC). To the east of the Power Canal are lands encompassing structures that are former staging areas of raw materials for paper making. Beyond these structures are forested and vegetated lands until reaching Route 37, along which residential properties exist. The southern portion of the Site is the location of former coal storage areas, ash ponds, vacant lands, and forested areas. The southern boundary of the Site is lined with residential properties along Wilna Avenue. West of the Site are residential properties along Anderson Avenue.

Refer to Attachment A, Figure 1: Site Location Map.

1.2 Site History and Background

The Site is the location of a former paper mill. The St. Regis Paper Company was started in 1899 in Deferiet, New York. In 1900 construction to build a paper mill commenced, along with the design of the Power Canal and the Village of Deferiet, to include houses, a school, public hall, general store, and a hotel. The original mill manufactured paper of varying types, including newsprint and glossy magazine paper. By 1921 the Village became incorporated while the mill still owned the houses. In 1948 expansion activities at the mill brought in boilers, an acid plant, enlargement of the sulfite process room, and modernization of the power plant. Beginning in 1953,

the St. Regis Paper Company sold off the houses to individual owners. In 1984 the facility was sold to Champion Paper. In 1999 the western portion of the Site was sold to the Deferiet Paper Company, a subsidiary of Crabar Paper & Allied Products Corporation. The Deferiet Paper Company filed for bankruptcy in 2001 and the mill was closed. It was reopened in 2003 following purchase of the facility from Newstech, Inc. The mill was closed again in 2004 and in 2005 was sold to Deferiet Development, LLC. The facility was then scrapped and heavily salvaged. Portions of the machine room and turbine room were demolished, leaving large areas of debris and rubble. Most buildings, with the exception of the hydropower plant, were allowed to fall into disrepair.

In March 1986, EPA and NYSDEC conducted a preliminary assessment of the Site (listed as the St. Regis Paper Mills Company Site). Recommendations from a March 1986 NYSDEC letter and a March 1986 EPA review with further concurrence in January 1988, recommended no further action at the Site.

In November 2015, an attorney with Jefferson County requested that EPA evaluate the Site for threats associated with the release or threat of release of asbestos. Of particular concern was an easement utilized by personnel working at the hydropower plant. In February 2016, the EPA Removal Program received a verbal authorization to proceed with a removal action (RV1) to address these concerns. In March 2016, EPA activated and mobilized ERRS contractors to apply a sealant on piping exposed in the easement. In addition, the removal action allowed for the subcontract of an engineering firm to develop a demolition plan, should the Site warrant such activity. The removal action also recommended an assessment of areas outside of the easement to determine if asbestos was present in building materials, debris piles, partially demolished structures, equipment and other general locations throughout the Site. The removal action (RV1) was completed on August 30, 2016.

On June 6 and 7, 2017, EPA and RST 3 conducted the first phase of the removal assessment at the Site, as recommended by the RV1 removal action, which consisted of an initial inspection of the property to identify suspected asbestos-containing material (SACM), along with any additional areas of concern (AOC), and the collection of 30 bulk SACM samples for asbestos analysis. During this assessment, more than 100 containers including two 4,500-gallon above ground storage tanks (ASTs), sixty 55-gallon drums, sixteen 300-gallon totes, and numerous smaller containers (five gallons or less in size), were discovered in the former fire department, company garage, turbine room, and boiler house buildings.

From June 19 through 21, 2017, EPA and RST 3 performed the second phase of the removal assessment at the Site which consisted of conducting an inventory of the containers identified during Phase I of the assessment, performing hazard categorization (HazCat) field screening of the contents in each container, and sampling of containers selected by the EPA On-Scene Coordinator (OSC). Based on HazCat results, 23 solid, sludge, and liquid waste samples were collected from containers and submitted for laboratory analysis. The analytical results from Phase II indicated that Comprehensive Environmental Response Compensation and Liability Act (CERCLA) designated hazardous substances were present in the abandoned containers at the Site. Releases from these containers were a threat to the surrounding residential population and nearby water bodies. The facility was not secure and there were indications of trespassing. The presence of the abandoned containers at the Site posed multiple threats to site occupants including direct contact

with the abandoned containers and their contents, and the potential of a fire or explosion at the Site. Based on these results, the Site was determined to be eligible for an emergency removal action (RV2).

Refer to Attachment A, Figure 2: Original Container Locations – Company Garage and Former Fire Department, and Figure 3: Original Container Locations – Boiler Room and Turbine Room.

2.0 REMOVAL ACTION OBJECTIVES

The primary objective of the removal action (RV2) was to mitigate the potential threat of release of CERCLA hazardous substances confirmed to be present in drums and other containers at the Site.

Refer to Attachment B: Photographic Documentation Log.

2.1 Site Conditions

The majority of abandoned containers were found inside the former fire department building and the company garage. These containers consisted of 300-gallon polyethylene (poly) totes, 55-gallon drums, five-gallon containers, and one-gallon cans. Assessment activities confirmed the presence of volatile organic compounds (VOCs), heavy metals, corrosive waste, and reactive waste in these containers. Additional containers, including two 4,500-gallon ASTs labeled as sodium hydroxide and sulfuric acid and a 55-gallon drum, were present in the boiler room, and a 55 gallon drum and a 30-gallon steel tank, both containing waste oil, were found in the turbine room.

2.2 ERRS Scope of Work

The ERRS scope of work included the following activities in support of the removal action at the Site: conducted daily health and safety meetings; established work zones at the Site (*i.e.* support zone, contamination reduction zone [CRZ], and exclusion zone); implemented security measures; stabilized compromised containers; conducted waste profiling activities; transferred waste into shippable containers; bulked compatible materials; overpacked compromised containers; and conducted transportation and disposal (T&D) activities.

2.3 RST 3 Scope of Work

The RST 3 scope of work included the following activities in support of the removal action at the Site: inventoried containers at the Site; conducted ambient air monitoring throughout the work areas; provided oversight of ERRS contractor; assisted in waste profiling sample collection; and documented on-site removal operations through photographic documentation and notations in the Site logbook.

2.4 On-Site Personnel

Name	Organization	Site Duties	Dates On Site
Joel Petty	EPA, Region II	On-Scene Coordinator	7/17/17-7/28/17, 8/29/17-8/30/17, and 11/7/17-11/15/17
Bryan Gonzalez	RST 3, Region II	Site Project Manager	7/18/17-7/28/17, and 8/29/17-8/30/17
Dan Kowalski	ERRS (GES)	Response Manager	7/17/17-7/28/17
Lucretia Tellis	ERRS (GES)	Field Cost Accountant	7/17/17-7/28/17
Janelle Kite	ERRS (GES)	Chemist/T&D Coordinator	7/25/17-7/26/17, 8/29/17-8/30/17, and 11/12/17-11/13/17
Jeff Sturgill	ERRS (GES)	Equipment Operator	7/18/17-7/27/17
John Price	ERRS (GES)	Cleanup Technician	7/18/17-7/27/17
Trimmel Hayward	ERRS (GES)	Cleanup Technician	7/18/17-7/27/17
Kevin Shaver	ERRS (GES)	Response Manager	8/29/17-8/30/17
Timeka Willis	ERRS (GES)	Cleanup Technician	8/29/17-8/30/17
Dexter Bland	ERRS (GES)	Cleanup Technician	8/29/17-8/30/17
Jay Roberston	ERRS (GES)	Response Manager	11/7/17-11/9/17
Frank Rodriguez	ERRS (GES)	Response Manager	11/10/17-11/15/17
Zac Hand	ERRS (GES)	Cleanup Technician	11/7/17-11/13/17
Brandon Williams	ERRS (Bronze)	Equipment Operator	11/7/17-11/15/17
Jeff Dean	ERRS (Bronze)	Cleanup Technician	11/8/17-11/15/17
Dan Wilcox	ERRS (Bronze)	Cleanup Technician	11/8/17-11/15/17
Pete Manning	ERRS (Bronze)	Cleanup Technician	11/8/17
Ivan Smith	ERRS (Bronze)	Cleanup Technician	11/9/17-11/12/17

3.0 REMOVAL ACTION ACTIVITIES

The following activities were performed by EPA, ERRS, and RST 3 during the Removal Action:

3.1 Mobilization and Site Security

In July 2017, the removal program received a verbal authorization to proceed with a removal action (RV2) to address the CERCLA hazardous substances abandoned in containers at the Site. On July 18, 2017, the EPA OSC mobilized ERRS and RST 3 contractors to the Site with the goal of stabilizing structurally compromised containers and storing all containers in the former fire department building in preparation for off-site T&D. ERRS secured the former fire department building for safe storage of wastes on-site prior to T&D. All windows were boarded up and locks were installed on doors to prevent any trespassing.

3.2 Air Monitoring

Ambient air monitoring was conducted by RST 3 throughout the removal action. Air monitoring was performed utilizing two MultiRAE air monitoring units equipped with photoionization detectors. One air monitor was place at a stationary location in the exclusion zone to monitor the ambient air for toxic gases, including VOCs, hydrogen sulfide (H_2S), carbon monoxide (CO), lower explosive limit (LEL), oxygen (O_2), and hydrogen cyanide (HCN). Air monitoring readings in the exclusion zone were compared to Site-Specific Action Levels. If a Site-Specific Action Level was exceeded, personnel evacuated the work area and assessed the situation to determine if an upgrade of personal protection equipment (PPE) was needed before re-entering the work area. The second air monitor was utilized by RST 3 personnel to monitor for toxic gases in the ambient air between the work zone and CRZ, as well as to perform periodic mobile air monitoring when accessing the work area to document Site activities.

3.3 Container Inventory

During the removal assessment of the Site, an inventory of all on-site containers was conducted. A unique number was assigned to each container and information including: the container construction, type, size, condition, label information, and any container markings were documented using electronic drum logs. During the removal action, RST 3 collected inventory information for select containers located in the former fire department building that were not previously inventoried due to restrictive access.

3.4 Container Stabilization, Bulking, and Overpacking

Container stabilization was conducted by ERRS in July, August, and November 2017. Container stabilization involved transferring the contents of compromised containers into shippable 55-gallon poly drums and utilizing overpacks to secure structurally compromised drums. Double diaphragm pumps were utilized by ERRS to transfer liquid waste from structurally compromised containers. When feasible, the contents from containers within the same waste stream were bulked together. Following container bulking, containers were segregated based on their respective waste streams. Liquid waste was pumped from 13 totes which were located along the western wall of the former fire department building. Caustic waste was pumped out of the 4,500-gallon AST labeled sodium hydroxide located in the boiler room and transferred into fifteen 55-gallon poly drums staged outside along the easement. The additional 4,500-gallon AST labeled sulfuric acid was determined to only contain residual waste on the bottom. The material suspected to be waste oil in the turbine room was pumped from its original container and transferred into two 55-gallon poly drums. The poly drums containing transferred material were labeled with the same identification number as the original container and were staged and secured in the former fire department building after the transfer process was completed.

From November 7 through 12, 2017, solid waste and sludge were manually transferred into new 55-gallon poly drums. ERRS cut an access way into the sodium hydroxide tank and transferred approximately 2 to 3 inches of solid waste consisting of crystallized sodium hydroxide and debris into four 55-gallon poly drums. ERRS cut an access way into the sulfuric acid tank and found less than 2 inches of residual solids. The solid waste was transferred from the tank into one 55-gallon

poly drum. ERRS utilized a reciprocating saw to cut open poly totes containing solid and sludge wastes. Solid and sludge wastes were subsequently transferred to new 55-gallon poly drums utilizing shovels and pumps.

3.5 Waste Profiling

Waste profiling activities consisting of HazCat field screening and sampling were conducted by ERRS on August 29 and 30, 2017. The objective of waste profiling was to accurately characterize the waste present in each container to ensure that the waste was properly characterized prior to T&D. An ERRS chemist performed HazCat field screening to determine the hazardous characteristics of contents in containers with no previous removal assessment HazCat screening data. Based on ERRS HazCat field screening results and previous RST 3 HazCat field screening results from the removal assessment, 32 waste streams were generated. For each waste stream, composite disposal samples consisting of material from multiple containers in that specific waste stream were collected and submitted to a laboratory for analysis. Laboratory analytical results were used to confirm the hazardous characteristics and determine the proper off-site disposal for each waste stream.

Headspace screening of containers previously unopened during the removal assessment detected the presence of HCN in six containers. Based on the HCN readings, a liquid waste sample was collected from each of the six containers to determine if cyanide (CN) was present. Analytical results did not detect CN in any of the six samples.

Refer to Attachment C, Table 1: Sample Collection Summary Table, Table 2: Liquid Waste Analytical Results Summary Table – Total CN and RCRA Characteristics, Attachment H: Chain of Custody Record, Attachment I: Analytical Data Package – Container Samples, and Attachment J: Analytical Data Package – Disposal Samples

4.0 OFF-SITE T&D

On November 13, 2017, S-J Transportation Company transported one truckload of waste, including 90 containers, to Chemtron Corporation (Chemtron) located in Avon, Ohio under Uniform Hazardous Waste Manifest Tracking Number 009801137. The shipment was received by Chemtron on November 14, 2017.

On November 14, 2017, steel, which was generated from the dismantling of the tote cages, was brought to Empire Recycling Corporation in Watertown, New York for recycling.

On November 15, 2017, S-J Transportation Company transported one truckload of waste, including 63 containers, to Chemtron located in Avon, Ohio under Uniform Hazardous Waste Manifest Tracking Number 009801138. The shipment was received by Chemtron on November 16, 2017.

On November 16, 2017, one roll-off container of non-hazardous debris and PPE was transported to the Development Authority of the North Country Landfill located in Rodman, New York. The shipment was received by the Development Authority of the North Country Landfill on the same day.

On January 3 and 10, 2018, certificates of disposal were received for all waste shipped to Chemtron.

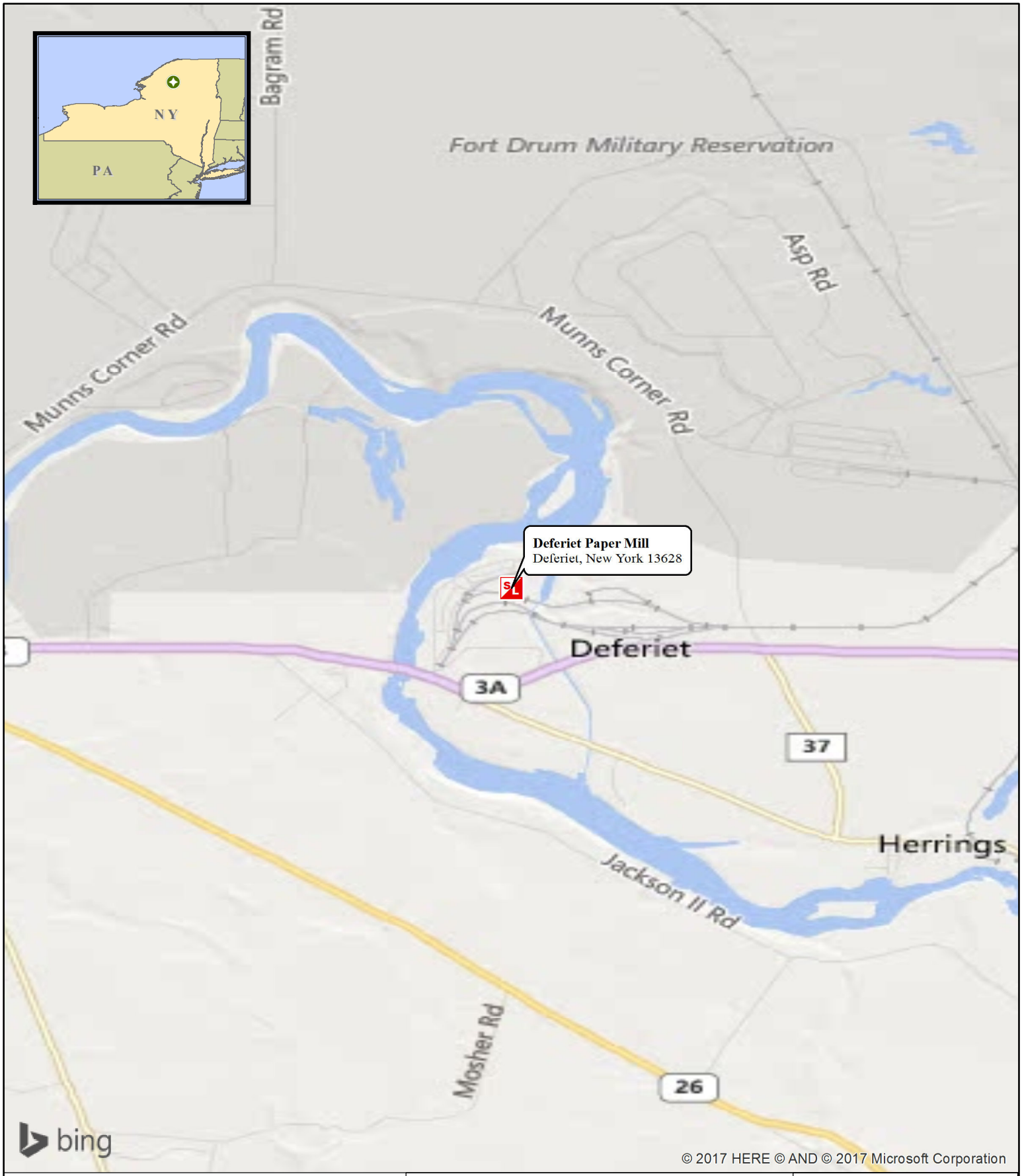
Refer to Attachment E: Manifest Records, Attachment F: Certificates of Disposal, and Attachment G: Disposal Facility Ticket Records.

Report Prepared by: _____ Date: 4/29/2019
Michael Beuthe, CHMM
RST 3 Site Project Manager

Report Reviewed by: _____ Date: 4/29/2019
Bernard Nwosu
RST 3 Group Leader

ATTACHMENT A

Figure 1: Site Location Map
Figure 2: Original Container Locations – Company Garage and Former Fire Department
Figure 3: Original Container Locations – Boiler Room and Turbine Room



Legend

Site Location

N

0 0.175 0.35 0.7 1.05 1.4 Miles

Weston Solutions, Inc.
East Division

In Association With
Scientific and Environmental Associates, Inc.,
Environmental Compliance Consultants, Inc.,
Avatar Environmental, LLC, On-Site Environmental,
Inc.and Sovereign Consulting, Inc

Figure 1:
Site Location Map

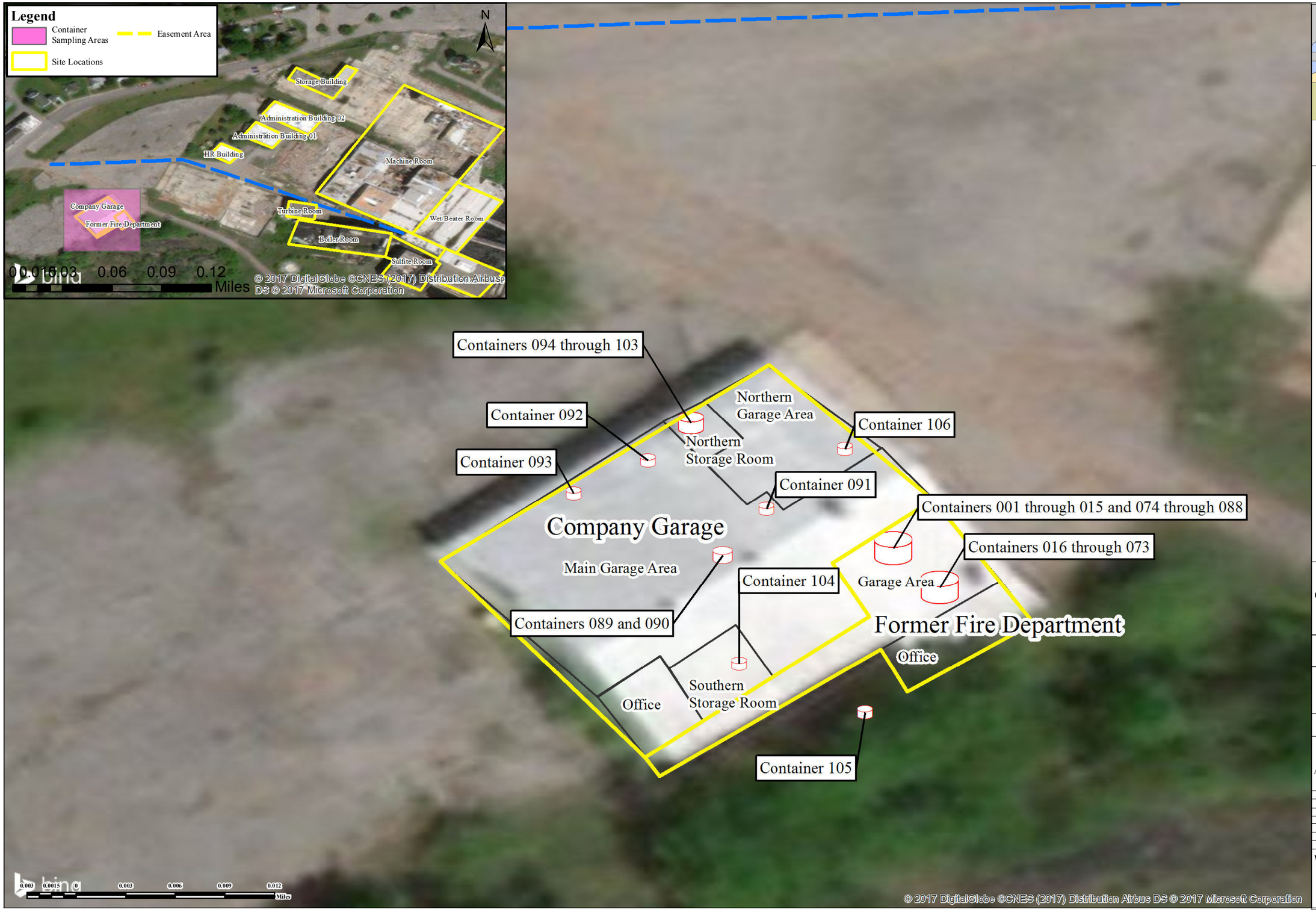
Deferiet Paper Mill Site
Deferiet, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

DATE MODIFIED: 5/31/2017

GIS ANALYST:	M. Beuthe
EPA OSC:	K. Glenn
RST SPM:	M. Beuthe
FILENAME:	20170531_SITELOCATIONMAP.MXD

\\FSED2DATA1\GISDATA\RST_3\00070198\MXD\20170531_SITELOCATIONMAP.MXD



SCALE
1:350

LEGEND

Site Locations
Easement Area

Container Locations

Single Container
Area with 2-5 containers
Area with 5-10 containers
Area with more than 10 containers

FIGURE 2:
Original Container Locations
Company Garage and
Former Fire Department

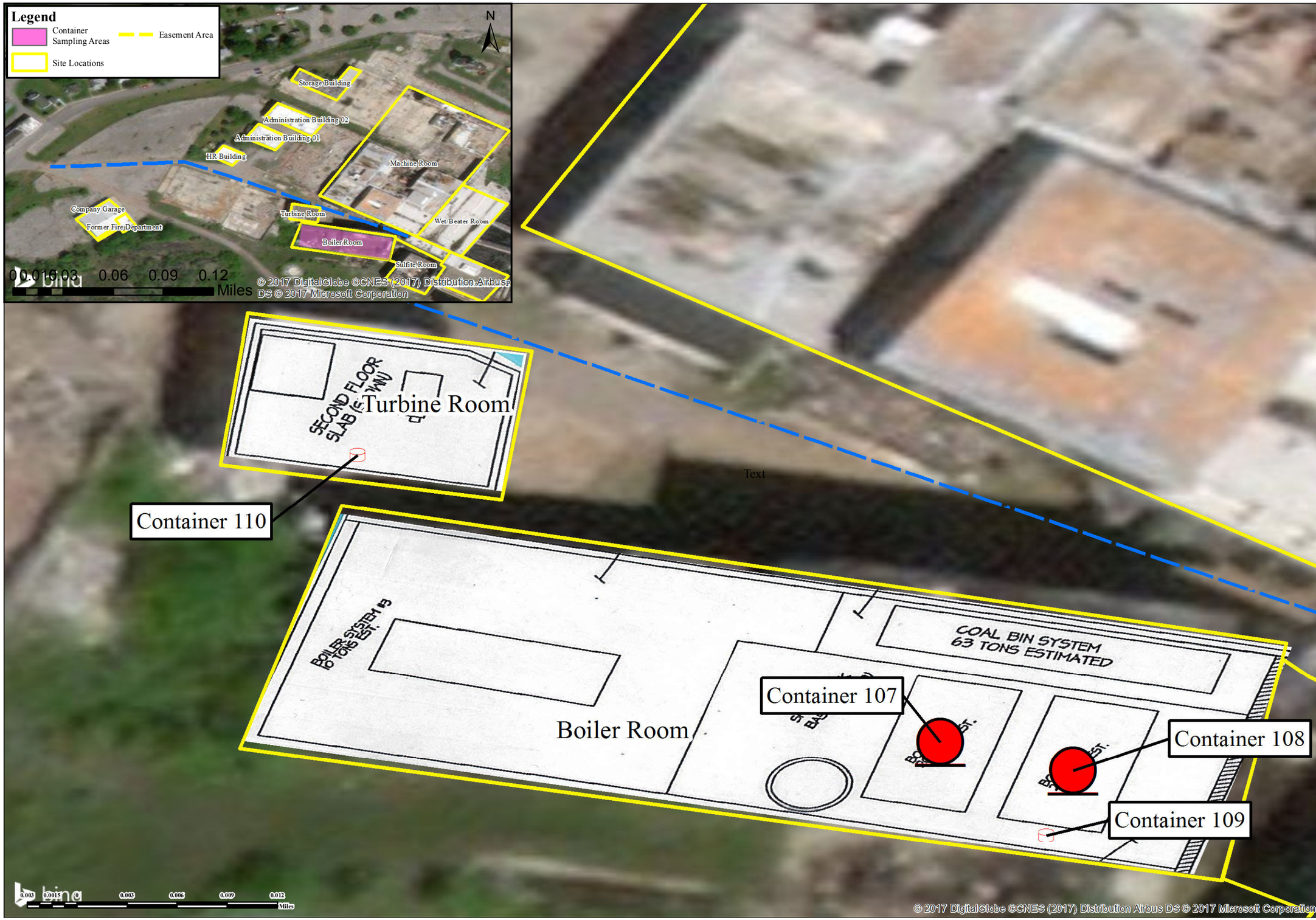
Deferiet Paper Mill Site
Deferiet, NY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

Weston Solutions, Inc.

In Association With
Scientific and Environmental Associates, Inc.,
Environmental Compliance Consultants, Inc.,
Avatar Environmental, LLC, On-Site Environmental, Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	M. BEUTHE
EPA OSC:	K. GLENN
RST 2 SPM:	M. BEUTHE
FILENAME:	170705_CONTAINERS_FD.MXD
FIGURE:	2
REVISION:	0
DATE MODIFIED	6/28/2017



SCALE

1:350

LEGEND

Site Locations

Easement Area

Container Locations

Single Container

4,500 gallon AST

Notes

*AST - Above Ground Storage Tank

*All containers were located on the ground floor level.

FIGURE 3
Original Container Locations
Boiler Room and Turbine Room

Deferiet Paper Mill Site
Deferiet, NY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

Weston Solutions, Inc.

In Association With
Scientific and Environmental Associates, Inc., Environmental Compliance Consultants, Inc., Avatar Environmental, LLC, On-Site Environmental, Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	M. BEUTHE
EPA OSC:	K. GLENN
RST 2 SPM:	M. BEUTHE
FILENAME:	170705_CONTAINERS_BR.MXD
FIGURE	2
REVISION	0
DATE MODIFIED	6/28/2017

ATTACHMENT B

Photographic Documentation Log

Photographic Documentation Log
Deferiet Paper Mill Site – Removal Action
Deferiet, Jefferson County, New York
July through November 2017

Photograph 1: View of numerous abandoned containers in the Former Fire Department Building prior to Removal Action activities.

Photograph 2: Photograph facing south. View of the contaminant reduction zone (CRZ) outside of the Former Fire Department Building (the exclusion zone). The CRZ was used by on-site personnel for donning and doffing of personal protective equipment (PPE).

Photograph 3: Photograph facing south. View of U.S. Environmental Protection Agency (EPA) Emergency and Rapid Release Services (ERRS) contractor personnel utilizing a double diaphragm pump to transfer the contents of structurally comprised containers to new 55 gallon poly drums.

Photograph 4: Photograph facing south. The red arrow is identifying a MultiRAE photo ionization detector (PID), which were set up daily at stationary locations inside and at the edge of the exclusion zone to monitor the ambient air for toxic gases, including volatile organic compounds (VOCs), hydrogen sulfide (H2S), carbon monoxide (CO), lower explosive limit (LEL), oxygen (O2), and hydrogen cyanide (HCN).

Photograph 5: View inside the Boiler Room of ERRS utilizing a pump to transfer caustic material from a 4,500 gallon above ground storage tank (AST) to 55 gallon poly drums staged outside along the easement.

Photograph 6: Photograph facing south. View from outside Boiler Room of ERRS utilizing a pump to transfer caustic material from a 4,500 gallon AST to 15 55 gallon poly drums staged outside along the easement.

Photograph 7: View of ERRS personnel collecting liquid waste samples for Hazard Category (HazCat) field screening.

Photograph 8: View of ERRS chemist performing HazCat field screening tests.

Photograph 9: View of ERRS personnel utilizing a reciprocating saw to cut an access way into the 4,500 gallon AST labeled sodium hydroxide, which was located in the boiler Room.

Photograph 10: View of ERRS personnel at the 4,500 gallon AST labeled sodium hydroxide preparing to transfer the caustic waste inside of the AST to shippable 55 gallon poly drums which staged outside of the AST.

Photograph 11: View of ERRS personnel transferring the caustic waste inside of the 4,500 gallon AST labeled sodium hydroxide to a shippable 55 gallon poly drum.

Photograph 12: View of the caustic waste inside of the 4,500 gallon AST labeled sodium hyrdoxide. ERRS personnel transferred the caustic waste was from the AST to a shippable 55 gallon poly drum.

Photograph 13: View of ERRS personnel transferring sludge material from a structurally compromised poly tote to a new 55 gallon poly drum, after removing the top half of the tote with a reciprocating saw.

Photograph 14: View of ERRS personnel cleaning and dismantling structurally compromised poly tote.

Photograph 15: View of crushed and dismantled poly totes being staged in the Company Garage Building prior to transport and disposal (T&D).

Photograph 16: View of the 4,500 gallon AST labeled sulfuric acid following removal of contents.

Photograph 17: View of drums staged in the Company Garage Building prior to transport and T&D.

Photograph 18: View of ERRS personnel loading 55 gallon poly drums of non-hazardous waste into a truck for T&D.

ATTACHMENT C

Table 1: Sample Collection Summary Table
Table 2: Liquid Waste Analytical Results Summary Table – Total CN and RCRA Characteristics

Table 1: Sample Collection Summary Table
Deferiet Paper Mill Site - Removal Action
Deferiet, Jefferson County, New York
July 2017

RST 3 Sample No.	Sample Location	Sample Date	Sample Time	Sample Type	Matrix	Analyses
P001-LW-004	P001-LW-004	7/25/2017	12:05	Field Sample	Liquid Waste	Total CN
P001-LW-006-02	P001-LW-006	7/25/2017	12;10	Field Sample	Liquid Waste	Total CN
P001-LW-007	P001-LW-007	7/25/2017	12:13	Field Sample	Liquid Waste	Total CN
P001-LW-009	P001-LW-009	7/25/2017	12:17	Field Sample	Liquid Waste	Total CN and RCRA Characteristics
P001-LW-038	P001-LW-038	7/25/2017	12:20	Field Sample	Liquid Waste	Total CN
P001-LW-059	P001-LW-059	7/25/2017	12:23	Field Sample	Liquid Waste	Total CN

Notes
RST 3 - Removal Support Team 3
No. - Number
RCRA - Resource Conservation and Recovery Act
CN - Cyanide

Table 2: Liquid Waste Analytical Results Summary Table - Total CN and RCRA Characteristics
Deferiet Paper Mill Removal Site - Removal Action
Deferiet, Jefferson County, New York
July 2017

RST 3 Sample Number	**P001-LW-004**	**P001-LW-006-02**	**P001-LW-007**	**P001-LW-009**	**P001-LW-038**	**P001-LW-059**
Sampling Date	**7/25/2017**	**7/25/2017**	**7/25/2017**	**7/25/2017**	**7/25/2017**	**7/25/2017**
Sample Matrix	**Liquid Waste**	**Liquid Waste**	**Liquid Waste**	**Liquid Waste**	**Liquid Waste**	**Liquid Waste**
Total Cyanide	ND	ND	ND	ND	ND	ND
RCRA Characteristics						
Corrosivity as pH	NA	NA	NA	2.52	NA	NA
Reactive Cyanide	NA	NA	NA	ND	NA	NA
Ignitability	NA	NA	NA	NI	NA	NA
Reactive Sulfide	NA	NA	NA	**243**	NA	NA

Notes:

RST 3 - Removal Support Team 3

RCRA - Resource Conservation and Recovery Act

ND - Not Detected

NA - Not Analyzed

NI - Not ignitable

Reactive cyanide and reactive sulfide analytical results reported in parts per million (ppm)

Bold result values are detections

ATTACHMENT D

Manifest Records

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD002229169

2. Page 1 of 4

3. Emergency Response Phone: 888-673-8890

4. Manifest Tracking Number: 009801137 FLE

5. Generator's Name and Mailing Address
USEPA REGION II-DEFERIET PAPER MILL SITE
2890 WOODBRIDGE AVENUE
EDISON, NJ 08837
Generator's Phone: 732 321-4388

Generator's Site Address (if different than mailing address)
400 ANDERSON AVENUE
DEFERIET, NY 13628

6. Transporter 1 Company Name: S-J Transportation Company
U.S. EPA ID Number: NJD071629976

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMTRON CORPORATION
35850 SCHNEIDER COURT
AVON, OH 44011
Facility's Phone: 800-676-5091 225
U.S. EPA ID Number: OHD066060609

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. ~~NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#1 NH WASTE WATERS)~~ JP					~~NONE~~ JP
X	2. ~~UN1993, WASTE FLAMMABLE LIQUIDS, NOS (METHYL ISOBUTYL KETONE, ETHANOL), 3, PGII~~ JP					~~D001~~ ~~D004~~ ~~D010~~ JP
	3. ~~NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#3 OILY WATER)~~ JP					~~NONE~~ JP
	4. ~~NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#4 WASH WATER)~~ JP					~~NONE~~ JP

14. Special Handling Instructions and Additional Information
1) 20171031-014 2) 20171030-041 ; ERG #: 128 3) 20171030-045 4) 20171030-047
Certificates of Disposal are Required. Send to PEI. Emergency Contact: PEI

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Joel Petty for EPA
Signature: Joel Petty
Month 11 Day 13 Year 17

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ED JIMENEZ
Signature
Month 11 Day 13 Year 17
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD002229169

22. Page: 2 of 4

23. Manifest Tracking Number: 009801137 FLE

24. Generator's Name
USEPA REGION II-DEFERIET PAPER MILL SITE
2890 WOODBRIDGE AVENUE
EDISON, NJ 08837

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	~~5) UN1993, WASTE FLAMMABLE LIQUIDS, NOS (TETRACHLOROETHANE, BENZENE), 3, PGII~~ JP					~~D001~~	~~D018~~ JP	~~D039~~
	6) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#6 NH LIQUID)	20	DF	1100	G	NONE		
	7) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#6A NH ~~LIQUID~~ Solid) JP	3	DF	1200	P	NONE		
X	~~8) UN3264, WASTE CORROSIVE LIQUIDS, ACIDIC, INORGANIC, NOS (HYDROCHLORIC ACID), 8, PGIII~~ JP					~~D002~~	JP	
X	~~9) UN3264, WASTE CORROSIVE LIQUIDS, ACIDIC, INORGANIC, NOS (HYDROCHLORIC ACID), 8, PGIII~~ JP					~~D002~~	JP	
X	~~10) UN3266, WASTE CORROSIVE LIQUIDS, BASIC, INORGANIC, NOS (SODIUM HYDROXIDE), 8, PGIII~~ JP					~~D002~~	JP	
X	~~11) UN3139, WASTE Oxidizing liquid, n.o.s. (CYANIDE, SULFIDE), 5.1, PGIII~~ JP					~~D001~~	JP	
	~~12) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#10 INORGANIC SALTS)~~ JP					~~NONE~~	JP	
	13) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#11 INORGANIC LIQUID)	42	DF	2310	G	NONE		
	14) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#11A INORGANIC SLUDGE)	3	DF	1200	P	NONE		

32. Special Handling Instructions and Additional Information
5) 20171030-048 ; ERG #: 128 6) 20171030-049 7) 20171030-050 8) 20171030-051 ; ERG #: 154 9) 20171030-054 ; ERG #: 154 10) 20171030-052 ; ERG #: 154 11) 20171030-053 ; ERG #: 140 12) 20171030-044 13) 20171106-005 14) 20171106-002
Certificates of Disposal are Required, Send to PEI. Emergency Contact: PEI

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD002229169

22. Page: 3 of 4

23. Manifest Tracking Number: 009801137 FLE

24. Generator's Name
USEPA REGION II-DEFERIET PAPER MILL SITE
2890 WOODBRIDGE AVENUE
EDISON, NJ 08837

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
	~~15) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#12 INORGANIC LIQUIDS WITH TRACE METALS)~~ JP					~~NONE~~	JP	
X	~~16) UN2924, WASTE FLAMMABLE LIQUIDS, CORROSIVE, NOS (2 PROPANONE, CYCLOHEXAMINE), 3, (8), PGIII~~ JP					~~D001 D002~~	JP	
	~~17) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#14 OIL WATER & SLUDGE)~~ JP					~~NONE~~	JP	
	~~18) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#14a OILY SLUDGE)~~ JP					~~NONE~~	JP	
	~~19) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#1b OIL WASTE)~~ JP					~~NONE~~	JP	
	~~20) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#16 OILY LIQUID PUMP CLEAN OUT)~~ JP Solids JP					~~NONE~~	JP	
X	21) ~~UN3266~~ JP 1823, WASTE CORROSIVE ~~LIQUIDS~~ Solids JP, BASIC, INORGANIC, NOS (SODIUM HYDROXIDE), 8, PGIII	~~15~~ 4 JP	DF	1600	P	D002		
X	22) UN3266, WASTE CORROSIVE LIQUIDS, BASIC, INORGANIC, NOS (SODIUM HYDROXIDE), 8, PGIII	~~4~~ 15 JP	DF	825	G	D002		
X	~~23) UN3264, WASTE CORROSIVE LIQUIDS, ACIDIC, INORGANIC, NOS (SULFURIC ACID), 8, PGIII~~ JP					~~D002~~	JP	
X	~~24) UN3264, WASTE CORROSIVE LIQUIDS, ACIDIC, INORGANIC, NOS (SULFURIC ACID), 8, PGIII~~ JP					~~D002~~	JP	

32. Special Handling Instructions and Additional Information
15) 20171030-055 16) 20171030-043 ; ERG #: 132 17) 20171030-046 18) 20171030-016 19) 20171030-013 20) 20171030-015 ~~21) 20171030-010~~ JP ; ERG #: 154 ~~22) 20171030-008~~ JP ; ERG #: 154 23) 20171031-007 ; ERG #: 154 24) 20171031-008 ; ERG #: 154
Certificates of Disposal are Required, Send to PEI. Emergency Contact: PEI

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD002229169

22. Page: 4 of 4

23. Manifest Tracking Number: 009801137 FLE

24. Generator's Name
USEPA REGION II-DEFERIET PAPER MILL SITE
2890 WOODBRIDGE AVENUE
EDISON, NJ 08837

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	~~25) UN1263, WASTE PAINT RELATED MATERIAL, 3, PGIII~~ JP					~~D001~~	JP	
X	~~26) UN1760, WASTE Corrosive liquids, n.o.s. (POTASSIUM HYDROXIDE), 8, PGIII~~ JP					~~D002~~	JP	
	~~27) NON HAZARDOUS, NON-RCRA, NON DOT REGULATED MATERIAL (Waste Stream#21 NH MAINTENANCE SUPPLIES)~~ JP					~~NONE~~	JP	
	~~28) NON-HAZARDOUS, NON-RCRA, NON-DOT REGULATED MATERIAL (Waste Stream#22 BETZ DEARBORN POLYFLOC AE1138)~~ JP					~~NONE~~	JP	
	29) Non-hazardous, non-RCRA, non-DOT regulated material (waste stream #6A, NH (Solid)	3	DM	1200	P	None		

32. Special Handling Instructions and Additional Information
25) 20171031-006 ; ERG #: 128 26) 20171030-042 ; ERG #: 154 27) 20171031-005 28) 20171031-004 29) 20171030-049
Certificates of Disposal are Required, Send to PEI. Emergency Contact: PEI

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

LAND DISPOSAL RESTRICTION NOTIFICATION & CERTIFICATION FORM (LDR)
CHEMTRON CORPORATION
35850 SCHNEIDER COURT, AVON, OH 44011
PHONE (440) 937-6348 FAX (440) 937-6845

GENERATOR NAME USEPA REGION II- DELFERIET PAPER MILL SITE EPA ID NUMBER NYD000229169

MANIFEST NUMBER 009801137 FLE DATE 11/13/17

SIGNATURE Joel Petty PRINT NAME Joel Petty

PLEASE REFER TO INSTRUCTIONS FOR IMPORTANT INFORMATION AND CODES FOR UHC'S AND CERTIFICATION

COMPLETE ALL APPLICABLE ITEMS.

LINE NO.	APPROVAL NO.	EPA WASTE NO.(S)	NWW	WW	SUBCAT.	UHC'S	CERT.
~~9 a (1)~~	~~20171031-014~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
~~9 a (2)~~	~~20171030-041~~	~~D001, D004, D010~~	~~X~~		~~S-1~~	~~227, 239~~	~~B~~ JP
~~9 a (3)~~	~~20171030-045~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
~~9 a (4)~~	~~20171030-047~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
~~27 a (5)~~	~~20171030-048~~	~~D001, D018, D039~~	~~X~~		~~S-1~~	~~25, 201~~	~~B~~
27 a (6)	20171030-049	NONE	X			N/A	B
27 a (7)	20171030-050	NONE	X			N/A	B

FOR F001-F005 SPENT SOLVENTS, LIST THE NUMBER NEXT TO THE CONSTITUENT THAT IS PRESENT.

LINE NO.(S)	F001-FOO5 SOLVENT	LINE NO.(S)	F001-FOO5 SOLVENT	LINE NO.(S)	F001-FOO5 SOLVENT
	ACETONE		CYCLOHEXANONE		NITROBENZENE
	BENZENE		O-DICHLOROBENZENE		PYRIDINE
	N-BUTANOL		ETHYL ACETATE		TETRACHLOROETHYLENE
	CARBON DISULFIDE		ETHYL BENZENE		TOLUENE
	CARBON TETRACHLORIDE		ETHYL ETHER		1,1,1-TRICHLOROETHANE
	CHLOROBENZENE		ISOBUTANOL		1,1,2-TRICHLOROETHANE
	O-CRESOL		METHANOL		1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE
	M-CRESOL		METHYLENE CHLORIDE		TRICHLOROETHYLENE
	P-CRESOL		METHYL ETHYL KETONE		TRICHLOROMONOFLUOROMETHANE
	CRESOLS/CRESYLIC ACID		METHYL ISOBUTYL KETONE		XYLENES (MIXED)

UHC'S OR UNDERLYING HAZARDOUS CONSTITUENTS" ARE REGULATED WITHIN THE UNIVERSAL TREATMENT STANDARDS. GNERATOR'S ARE REQUIRED TO IDENTIFY THE UNDERLYING CONSTITUENTS IN WASTE WITH THE FOLLOWING EPA WASTE NUMBERS: D001 (EXCPT D001 WATES WHICH CAN BE TREATED BY CMBST), D002, D012-D043. FOR MORE INFORMATION REFER TO 40 C.F.R. PART 268.

LAND DISPOSAL RESTRICTION NOTIFICATION & CERTIFICATION FORM (LDR)
CHEMTRON CORPORATION
35850 SCHNEIDER COURT, AVON, OH 44011
PHONE (440) 937-6348 FAX (440) 937-6845

GENERATOR NAME USEPA REGION II- DEFERIET PAPER MILL SITE

EPA ID NUMBER NYD002229169

MANIFEST NUMBER 009801137 FLE

DATE

CONTINUATION PAGE

LINE NO.	APPROVAL NO.	EPA WASTE NO.(S)	NWW	WW	SUBCAT.	UHC'S	CERT.
~~27 a (8)~~	~~20171030-051~~	~~D002~~	~~X~~		~~S-3~~	~~N/A~~	~~B~~
~~27 a (9)~~	~~20171030-054~~	~~D002~~	~~X~~		~~S-3~~	~~N/A~~	~~B~~ JP
~~27 a (10)~~	~~20171030-052~~	~~D002~~	~~X~~		~~S-3~~	~~N/A~~	~~B~~
~~27 a (11)~~	~~20171030-053~~	~~D001~~	~~X~~		~~S-1~~	~~N/A~~	~~B~~
~~27 a (12)~~	~~20171030-044~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
27 a (13)	20171106-005	NONE	X			N/A	B
27 a (14)	20171106-002	NONE	X			N/A	B
~~27 a (15)~~	~~20171030-055~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
~~27 a (16)~~	~~20171030-043~~	~~D001, D002~~	~~X~~		~~S-1, S-3~~	~~N/A~~	~~B~~
~~27 a (17)~~	~~20171030-046~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~ JP
27 a (18)	~~20171030-016~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
~~27 a (19)~~	~~20171030-013~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
~~27 a (20)~~	~~20171030-015~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
27 a (21)	20171030-010	D002	X		S-3	N/A	B
27 a (22)	20171030-008	D002	X		S-3	N/A	B
~~27 a (23)~~	~~20171031-007~~	~~D002~~	~~X~~		~~S-3~~	~~N/A~~	~~B~~
~~27 a (24)~~	~~20171031-008~~	~~D002~~	~~X~~		~~S-3~~	~~N/A~~	~~B~~
~~27 a (25)~~	~~20171031-006~~	~~D001~~	~~X~~		~~S-1~~	~~N/A~~	~~B~~ JP
~~27 a (26)~~	~~20171030-042~~	~~D002~~	~~X~~		~~S-3~~	~~N/A~~	~~B~~
~~27 a (27)~~	~~20171031-005~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
~~27 a (28)~~	~~20171031-004~~	~~NONE~~	~~X~~			~~N/A~~	~~B~~
27 a (29)	20171030-049	NONE	X			N/A	B
27 a (30)			X				B
27 a (31)			X				B

OTHER COMMENTS:

ATTACHMENT E

Certificates of Disposal

CHEMTRON CORPORATION

Certifies that waste received on Monday, November 27 2017 from US EPA REGION 2 - DEFERIET PAPER MILL SITE (009801137FLE) described on Shipping Document Number (D136759) was properly disposed of and / or recycled in compliance with all Local, State and Federal Laws and Regulations including 40 CFR 260 through 270.

1	20171030-049	WASTE STREAM - #6 NON-HAZARDOUS L
2	20171030-050	WASTE STREAM - #6-A NON-HAZARDOUS
3	20171106-005	WASTE STREAM - #11 INORGANIC LIQUID
4	20171106-002	WASTE STREAM-#11-A INORGANIC SLUD
5	20171030-008	WASTE STREAM - #17-A SODIUM HYDRO)
6	20171030-010	WASTE STREAM - #17 SODIUM HYDROXIE
7	20171030-049	WASTE STREAM - #6 NON-HAZARDOUS L

Chemtron Corporation
35850 Schneider Court
Avon, OH 44011
OHD066060609

Should you have any questions, please contact our Customer Service Department at (440) 933-6348.

CHEMTRON CORPORATION

Certifies that waste received on Thursday, November 16 2017 from US EPA REGION 2 - DEFERIET PAPER MILL SITE (009801138FLE) described on Shipping Document Number (D136890) was properly disposed of and / or recycled in compliance with all Local, State and Federal Laws and Regulations including 40 CFR 260 through 270.

1	20171031-014	WASTE STREAM #1 - NON HAZ WASTE W/
2	20171030-041	WASTE STREAM - #2 FLAMMABLE SOLVE
3	20171030-045	WASTE STREAM - #3 OILY WATER
4	20171030-047	WASTE STREAM - #4 WASH WATER
5	20171030-048	WASTE STREAM - #5 VOLATILE ORGANIC
6	20171030-051	WASTE STREAM - #7 ACIDIC SOLUTION
7	20171030-054	WASTE STREAM - #7-A ACIDIC SOLUTION
8	20171030-052	WASTE STREAM - #8 CORROSIVE LIQUID
9	20171030-053	WASTE STREAM - #9 OXIDIZING SOLUTION
10	20171030-044	WASTE STREAM - #10 INORGANIC SALTS
11	20171106-005	WASTE STREAM - #11 INORGANIC LIQUID
12	20171030-055	WASTE STREAM - #12 INORGANIC LIQUID
13	20171030-043	WASTE STREAM - #13 FLAMMABLE CORF
14	20171030-046	WASTE STREAM - #14 OILY WATER & SLU
15	20171030-016	WASTE STREAM - #14-A OILY SLUDGE
16	20171030-013	WASTE STREAM - #15 OIL WASTE
17	20171030-015	WASTE STREAM - #16 OILY LIQUID FROM
18	20171031-008	WASTE STREAM - #18-A SULFURIC ACID
19	20171031-006	WASTE STREAM - #19 WASTE PAINT REL
20	20171030-042	WASTE STREAM - #20 WASTE CORROSIC

CHEMTRON CORPORATION

Certifies that waste received on Thursday, November 16 2017 from US EPA REGION 2 - DEFERIET PAPER MILL SITE (009801138FLE) described on Shipping Document Number (D136890) was properly disposed of and / or recycled in compliance with all Local, State and Federal Laws and Regulations including 40 CFR 260 through 270.

21	20171031-005	WASTE STREAM - #21 NON-HAZ MAINTEN
22	20171031-004	WASTE STREAM - #22 BETZ DEARBORN I
23	20171030-046	WASTE STREAM - #14 OILY WATER & SLU
24	20171030-016	WASTE STREAM - #14-A OILY SLUDGE

Chemtron Corporation
35850 Schneider Court
Avon, OH 44011
OHD066060609

Should you have any questions, please contact our Customer Service Department at (440) 933-6348.

ATTACHMENT F

Disposal Facility Ticket Records

Development Authority of the North Country
Materials Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel:(315)661-3230

DATE:11/16/17 TICKET #: 401403
TIME IN: 01:52 PM TIME OUT:02:08 PM

Bill Acct:WASTMANA
Company:Waste Management
22360 Card Rd.
Felts Mills NY 13638

Haul Acct:WASTMANA
Company:Waste Management

TRUCK#:5172 License#:55604JS
Container#: License#:

	LBS	Tons
GROSS:	39120	19.56
TARE:	35940	17.97
NET:	**3180**	**1.59**

MATERIAL:200 - C&D
County :10 - Jefferson
W/C: 177 - WASTE MANAGEMENT(C&D)

TIP FEE:	69.96
:	0.00
TOTAL FEE:	**69.96**

Driver ID: Akins, Jamie
Jamie Akins
NOTE: 410 2199 R/O
Weighmaster:Unattended User
{NOTE INT}

Ben Weitsman of Watertown, LLC

511 Pearl Street
Watertown NY 13601
13601

Facility ID # 7122338

Tick# 135249 By pattimo 10:14:59 AM 11/14/2017
Notes: **RED CHEVY W/ TRL**

Gross	Tare	Net	UOM	Price	Amount
WT403 - Tin/Mixed					
12,240.00	10,440.00	1,800.00	GT	136.000	109.286
					$109.29
		Ticket Total			109.286
		Rounded Off			0.004
		Total			109.290

* ONE HUNDRED NINE AND 29 / 100

Date	Mode	Trn #	Amount
11/14/2017	Cash		109.290

Print Name: BRANDON ROBERT WILLIAMS

Address: 7747 DEWITT ST

City/ST/Zip: LOWVILLE/NY/13367

In accordance with Section 608 of the 1990 Clean Air Act and 40 CFR Part 82, the undersigned certifies that all CFC refrigerants have been properly evacuated from any recyclables contained in this transaction. I hereby state that I'm the lawful owner of the material described heron, that I have a right to sell same and that for payment received in full, hereby acknowledged, I sell and convey title of same to:

Ben Weitsman of Watertown

X

Thank You For Your Business
www.upstateshredding.com

ATTACHMENT G

Chain of Custody Record

USEPA
DateShipped: 7/28/2017
CarrierName: Lab Courier
AirbillNo: NA

CHAIN OF CUSTODY RECORD

Case #: 441
Contact Name:
Contact Phone:

No: 2-072817-095137-0005
Cooler #:
Lab: ALS Environmental
Lab Phone: 717-944-5541

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	Lab QC
	P001-LW-004	P001-LW-004	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-007	P001-LW-007	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-009	P001-LW-009	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-038	P001-LW-038	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-059	P001-LW-059	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-006-02	P001-LW-006	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-009	P001-LW-009	RCRA Coharcterisitics	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N

Special Instructions: 14 day preliminary turn around time and 21 days for hard copy data. Please send results to S.Sumbaly@westonsolutions.com and Bryan.Gonzalez.com

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Michael Ryan (Weston, RST 3)	7/28/17 10:07	[illegible]	7-28-17	R47

ATTACHMENT H

Analytical Data Package – Container Samples

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

August 21, 2017

Ms. Smita Sumbaly
Weston Solutions, Inc.
1090 King Georges Post Road
Suite 201
Edison, NJ 08837

Certificate of Analysis

Project Name:	**2017-RFP 441 ADDITIONAL**	Workorder:	**2249808**
Purchase Order:		Workorder ID:	**WEN011|Case #441**

Dear Ms. Sumbaly:

Enclosed are the analytical results for samples received by the laboratory on Friday, July 28, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Susan J Scherer (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Ms. Michael Beuthe

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Susan J. Scherer
Ms. Susan J Scherer
Project Coordinator

ALS Environmental

34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

SAMPLE SUMMARY

Workorder: 2249808 WEN011|Case #441

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2249808001	P001-LW-004	Liquid Waste	7/25/2017 00:00	7/28/2017 20:30	Collected by Client
2249808002	P001-LW-007	Liquid Waste	7/25/2017 00:00	7/28/2017 20:30	Collected by Client
2249808003	P001-LW-009	Liquid Waste	7/25/2017 00:00	7/28/2017 20:30	Collected by Client
2249808004	P001-LW-038	Liquid Waste	7/25/2017 00:00	7/28/2017 20:30	Collected by Client
2249808005	P001-LW-059	Liquid Waste	7/25/2017 00:00	7/28/2017 20:30	Collected by Client
2249808006	P001-LW-006-02	Liquid Waste	7/25/2017 00:00	7/28/2017 20:30	Collected by Client
2249808007	P001-LW-009	Liquid Waste	7/25/2017 00:00	7/28/2017 20:30	Collected by Client

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

SAMPLE SUMMARY

Workorder: 2249808 WEN011|Case #441

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
-- For microbiological analyses, the "Prepared" value is the date/time into the incurbator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental
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ANALYTICAL RESULTS

Workorder: 2249808 WEN011|Case #441

Lab ID: **2249808001** Date Collected: 7/25/2017 00:00 Matrix: Liquid Waste
Sample ID: **P001-LW-004** Date Received: 7/28/2017 20:30

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY											
Cyanide, Total	ND	1	mg/L	0.050	0.022	SW846 9012B	8/15/17 14:20	CTD	8/17/17 10:24	KXK	A

Susan J. Scherer
Ms. Susan J Scherer
Project Coordinator

ALS Environmental
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ANALYTICAL RESULTS

Workorder: 2249808 WEN011|Case #441

Lab ID: **2249808002** Date Collected: 7/25/2017 00:00 Matrix: Liquid Waste
Sample ID: **P001-LW-007** Date Received: 7/28/2017 20:30

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY											
Cyanide, Total	ND	1	mg/L	0.050	0.022	SW846 9012B	8/15/17 14:20	CTD	8/17/17 10:24	KXK	A

Susan J. Scherer
Ms. Susan J Scherer
Project Coordinator

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2249808 WEN011|Case #441

Lab ID: **2249808003** Date Collected: 7/25/2017 00:00 Matrix: Liquid Waste
Sample ID: **P001-LW-009** Date Received: 7/28/2017 20:30

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY											
Cyanide, Total	ND	1	mg/L	0.050	0.022	SW846 9012B	8/15/17 14:20	CTD	8/17/17 10:24	KXK	A

Susan J. Scherer
Ms. Susan J Scherer
Project Coordinator

ALS Environmental
34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2249808 WEN011|Case #441

Lab ID: **2249808004** Date Collected: 7/25/2017 00:00 Matrix: Liquid Waste
Sample ID: **P001-LW-038** Date Received: 7/28/2017 20:30

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY											
Cyanide, Total	ND	1	mg/L	0.050	0.022	SW846 9012B	8/15/17 14:20	CTD	8/17/17 10:24	KXK	A

Susan J. Scherer
Ms. Susan J Scherer
Project Coordinator

ALS Environmental
34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2249808 WEN011|Case #441

Lab ID: **2249808005** Date Collected: 7/25/2017 00:00 Matrix: Liquid Waste
Sample ID: **P001-LW-059** Date Received: 7/28/2017 20:30

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY											
Cyanide, Total	ND	1	mg/L	0.050	0.022	SW846 9012B	8/15/17 14:20	CTD	8/18/17 11:54	CTD	A

Ms. Susan J Scherer
Project Coordinator

ALS Environmental
34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2249808 WEN011|Case #441

Lab ID: **2249808006** Date Collected: 7/25/2017 00:00 Matrix: Liquid Waste
Sample ID: **P001-LW-006-02** Date Received: 7/28/2017 20:30

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY											
Cyanide, Total	ND	1	mg/L	0.050	0.022	SW846 9012B	8/15/17 14:20	CTD	8/18/17 11:54	CTD	A

Susan J. Scherer
Ms. Susan J Scherer
Project Coordinator

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2249808 WEN011|Case #441

Lab ID: **2249808007** Date Collected: 7/25/2017 00:00 Matrix: Liquid Waste

Sample ID: **P001-LW-009** Date Received: 7/28/2017 20:30

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY											
Corrosivity as pH	2.52	3	pH_Units			SW846 9040C			8/14/17 05:28	MSA	A
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	8/12/17 12:00	AHI	8/14/17 07:12	KXK	A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A			8/18/17 07:00	SDL	A
Sulfide, Reactive	243		ppm	6.2	1.2	SW846 7.3	8/12/17 12:00	AHI	8/12/17 18:45	AHI	A

Susan J. Scherer

Ms. Susan J Scherer
Project Coordinator

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2249808001	1	P001-LW-004	SW846 9012B	Cyanide, Total
Analyte was analyzed past the 14 day holding time.				
2249808002	1	P001-LW-007	SW846 9012B	Cyanide, Total
Analyte was analyzed past the 14 day holding time.				
2249808003	1	P001-LW-009	SW846 9012B	Cyanide, Total
Analyte was analyzed past the 14 day holding time.				
2249808004	1	P001-LW-038	SW846 9012B	Cyanide, Total
Analyte was analyzed past the 14 day holding time.				
2249808005	1	P001-LW-059	SW846 9012B	Cyanide, Total
Analyte was analyzed past the 14 day holding time.				
2249808006	1	P001-LW-006-02	SW846 9012B	Cyanide, Total
Analyte was analyzed past the 14 day holding time.				
2249808007	1	P001-LW-009	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
2249808007	2	P001-LW-009	SW-846 1010A	Flashpoint/Ignitability
Sample did not flash up to 200 degrees F				
2249808007	3	P001-LW-009	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				

2249808

USEPA

DateShipped: 7/28/2017
CarrierName: Lab Courier
AirbillNo: NA

CHAIN OF CUSTODY RECORD

Case #: 441
Contact Name:
Contact Phone:

* 2 2 4 9 8 0 8 *

: 2-072817-095137-0005

Cooler #:
Lab: ALS Environmental
Lab Phone: 717-944-5541

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	Lab QC
	P001-LW-004	P001-LW-004	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-007	P001-LW-007	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-009	P001-LW-009	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-038	P001-LW-038	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-059	P001-LW-059	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-006-02	P001-LW-006	Total Cyanide	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N
	P001-LW-009	P001-LW-009	RCRA Caharcterisitics	Liquid Waste	7/25/2017	1	8 oz. glass jar	4 C	N

	Y	N	Initials
Custody Seals Present?			
(If present) Seals Intact?			
Received on Ice?			
COC/Lbls Complete			
Cont in Good Cond?			
Correct Containers?			
Correct Samp Vol?			
Correct Preservation?			
Headspace/Volatiles?			

Cooler Temp: 3 °C
Cooler #:
Therm ID: 352
Ship Carrier
FedEx UPS
DHL
Tracking #:

Special Instructions: 14 day preliminary turn around time and 21 days for hard copy data. Please send results to S.Sumbaly@westonsolutions.com and Bryan.Gonzalez.com

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	(Weston, RST 3)	7/28/17/10:07		7-28-17 R47	
		7/28/17		7-28 1830	
		7-28 2030		7/28 2030	

Weston Solutions, Inc.
1090 King Georges Post Road, Suite 201
Edison, NJ 08837
Phone: (732) 585-4400 • Fax: (732) 225-7037

Restoring Resource Efficiency

Laboratory Name: ALS Environmental

Date: 7/28/2017

This letter requests that your laboratory return all sample coolers to the above address within 14 calendar days following receipt of the shipment. The coolers should be returned using the attached FedEx Airbill and Airbill number.

When returning coolers, please send them to:

Weston Solutions, Inc
Attn: Rick Francis
1090 King George Post Road
Suite 201
Edison, NJ 08837

Sincerely,

Weston Solutions, Inc.

Bryan Gonzalez
Site Project Manager

Precautionary Measures Against Hidden Hazards in Laboratory Samples

Notice to Laboratory Personnel

Background

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) of 1980, as amended, Section 311 of the Clean Water Act (CWA), as amended, by the Oil Pollution Act of 1990 (OPA), Subtitle I of the Resource Conversation and Recovery Act (RCRA), and pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and Presidential Decision Document (PDD) #39, the Environmental Protection Agency (EPA) has been delegated the responsibility to undertake response actions with respect to, as a general matter, the release or threat of release of oil, petroleum products, hazardous substances, or pollutant and contaminants, that pose an actual or potential threat to human health or welfare, or to the environment. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to the public health or the environment on the National Priorities List (NPL).

EPA's successful implementation of these emergency response action responsibilities requires that technical support capabilities be provided in the form of a contracted Removal Support Team (RST) for EPA. The WESTON RST Contract EP-W-06-072, provides this support to EPA Region II.

Hazard Communication

The samples which accompany this notice were shipped to your laboratory for analysis in accordance with applicable D.O.T. or IATA Regulations and were collected by the WESTON RST and tentatively designated by the field response team, as either environmental or hazardous material samples.

In general, *Environmental Samples* are collected from streams, farm ponds, small lakes, wells, and off-site soil locations that are not reasonable expected to be contaminated with hazardous materials. Samples of on-site soils or water, and materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, pools, and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained from a known radioactive material contamination site or which demonstrate beta or gamma activity greater than three times average background as scanned with a radiation survey meter are considered *Radioactive Samples*.

The samples which accompany this notice were tentatively classified by the field response team as:

X Environmental _____ Hazardous _____ Comb. (Enviro. & Hazard.) _____ Radioactive

The field team which collected the samples, used the following Level(s) of personal protection as designated by EPA and OSHA conventions to provide protection against possible radiological or chemical exposure:

_____ Level A _____ Level B _____ Level C X Level D

The information is intended for use as a guide for the safe handling of these laboratory samples in accordance with EPA and OSHA regulations. The Sample classification(s) and Levels of personal protection used by the WESTON RST are not represented to be, nor are they adequate or applicable in all situations, nor are they intended to serve as substitutes for professional/personal judgment.

Laboratory Name ALS Environmental *RFP No.* 441
Prepared by: Weston RST 3 *Date* 7/28/17

WESTON Office: Region II RST, Edison, NJ; Phone: 732-585-4400 Fax: 732-225-7037

ATTACHMENT I

Analytical Data Package – Disposal Samples

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
14-Sep-17 17:48

Laboratory Report
SC38763

Guardian Environmental Services Company, Inc.
70 Albe Drive
Newark, DE 19702
Attn: Janelle Kite

Project: Deferiet Paper Mill, NY
Project #: 14800.0039

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Dawn Wojcik
Laboratory Director

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 211 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC38763

Project: Deferiet Paper Mill, NY

Project Number: 14800.0039

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC38763-01	Chloride	Liquid	30-Aug-17 13:00	01-Sep-17 11:40
SC38763-02	Flammable	Liquid	30-Aug-17 13:30	01-Sep-17 11:40
SC38763-03	Combustible 1	Liquid	30-Aug-17 15:30	01-Sep-17 11:40
SC38763-04	Combustible 2	Liquid	30-Aug-17 14:45	01-Sep-17 11:40
SC38763-05	Combustible 3	Liquid	30-Aug-17 15:15	01-Sep-17 11:40
SC38763-06	Cyanide	Liquid	30-Aug-17 15:50	01-Sep-17 11:40
SC38763-07	Acidic	Liquid	30-Aug-17 15:00	01-Sep-17 11:40
SC38763-08	Basic Chloride	Liquid	30-Aug-17 10:15	01-Sep-17 11:40
SC38763-09	Oxidizer	Liquid	30-Aug-17 09:30	01-Sep-17 11:40
SC38763-10	Inorganic Solid	Solid	29-Aug-17 16:30	01-Sep-17 11:40
SC38763-11	Inorganic 1	Liquid	30-Aug-17 12:45	01-Sep-17 11:40
SC38763-12	Inorganic 2	Liquid	30-Aug-17 10:00	01-Sep-17 11:40
SC38763-13	Corrosive Basic	Liquid	30-Aug-17 11:00	01-Sep-17 11:40
SC38763-14	Organic	Liquid	30-Aug-17 14:20	01-Sep-17 11:40
SC38763-15	Waste Oil	Oil	30-Aug-17 11:30	01-Sep-17 11:40
SC38763-16	Pump Decon	Liquid	30-Aug-17 11:40	01-Sep-17 11:40

CASE NARRATIVE:

Data has been reported to the RDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 17.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

All volatile soil/product/solid samples should be collected in accordance method SW846 5035/5035A. Any sample with a result below 200ug/Kg that has not been collected in accordance with method 5035/5035A must be evaluated as potentially biased low.

Analyses for Total Hardness, pH, and Total Residual Chlorine fall under the state of Pennsylvania code Chapter 252.6 accreditation by rule.

Reactivity (40 CFR 261.23) Case Narrative:

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2) and (4); however, Eurofins Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

Reactive sulfide and cyanide are tested at a pH of 2 and not tested at all conditions between pH 2 and12.5 as stated in 40 CFR 261.23, section (5); thus reactive cyanide and sulfide results as reported in this document can not be used to support the nonreactive properties of these samples.

The responsibility falls on the generator to use knowledge of the waste to determine if the waste meets or does not meet the descriptive, prose definition of reactivity.

SW846 8151 Analysis Narrative:

Two herbicide extracts for SC38763-08 (Basic Chloride) and SC38763-12 (Inorganic 2) were not miscible in hexane or water. The extracts were diluted 10x in hexane, and the resultant chromatograms failed to yield sufficient surrogate recovery. No herbicides data is available for either sample.

SW846-1010A Analysis Narrative:

Sample SC38763-11 (Inorganic 1) caught fire while performing the flashpoint analysis. This indicates that the flashpoint for the sample was below that temperature however it was not detected within our range, which starts at room temperature.

Please note that this report contains 29 pages of analytical data from Summit Environmental Technologies, Inc..

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 300.0

EPA 300.0

Spikes:

1715158-MS1 *Source: SC38763-01*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chloride

1715158-MSD1 *Source: SC38763-01*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chloride

Samples:

SC38763-01 *Chloride*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

SC38763-07 *Acidic*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride
Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Fluoride
Nitrate as N

SM3500CRB-09,-11

Samples:

SC38763-07 *Acidic*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

Chromium, Hexavalent

SM4500PE-99,-11

Samples:

SC38763-07 *Acidic*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

Phosphorus, as P

SW8081B

Laboratory Control Samples:

BY94926-LCS

SW8081B

Laboratory Control Samples:

BY94926-LCS

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

%DCBP (Surrogate Rec)
%TCMX (Surrogate Rec)
4,4' -DDD
4,4' -DDE
4,4' -DDT
a-BHC
Alachlor
Aldrin
b-BHC
Chlordane
d-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Aldehyde
g-BHC (Lindane)
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Methoxychlor
Toxaphene

Samples:

SC38763-10 *Inorganic Solid*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, surrogate recoveries could not be reported.

4,4' -DDD
4,4' -DDE
4,4' -DDT
a-BHC
Alachlor
Aldrin
b-BHC
Chlordane
d-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Aldehyde
g-BHC (Lindane)
Heptachlor
Heptachlor epoxide
Methoxychlor
Toxaphene

SW8081B

Samples:

SC38763-10 *Inorganic Solid*

Sample was evaluated against an external standard.

4,4' -DDD
4,4' -DDE
4,4' -DDT
a-BHC
Alachlor
Aldrin
b-BHC
Chlordane
d-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Aldehyde
g-BHC (Lindane)
Heptachlor
Heptachlor epoxide
Methoxychlor
Toxaphene

BY94926-BLK

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

%DCBP (Surrogate Rec)
%TCMX (Surrogate Rec)
4,4' -DDD
4,4' -DDE
4,4' -DDT
a-BHC
Alachlor
Aldrin
b-BHC
Chlordane
d-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Aldehyde
g-BHC (Lindane)
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Methoxychlor
Toxaphene

BY94926-LCSD

SW8081B

BY94926-LCSD

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

%DCBP (Surrogate Rec)
%TCMX (Surrogate Rec)
4,4' -DDD
4,4' -DDE
4,4' -DDT
a-BHC
Alachlor
Aldrin
b-BHC
Chlordane
d-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Aldehyde
g-BHC (Lindane)
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Methoxychlor
Toxaphene

SW8151A

Laboratory Control Samples:

BY95071-LCS

This parameter is outside laboratory lcs/lcsd specified recovery limits.

Dinoseb

Samples:

SC38763-01 *Chloride*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
Dalapon
Dicamba
Dichloroprop
Dinoseb

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, surrogate recoveries could not be reported.

% DCAA

SC38763-03 *Combustible 1*

Due to matrix interference observed in the extraction step, poor surrogate recovery was observed.

% DCAA

SW8151A

Samples:

SC38763-05 *Combustible 3*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, surrogate recoveries could not be reported.

% DCAA

SC38763-06 *Cyanide*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
Dalapon
Dicamba
Dichloroprop
Dinoseb

Poor surrogate recovery was observed.

% DCAA

SC38763-07 *Acidic*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
Dalapon
Dicamba
Dichloroprop
Dinoseb

Sample was evaluated against an external standard.

% DCAA

SC38763-09 *Oxidizer*

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
Dalapon
Dicamba
Dichloroprop
Dinoseb

SC38763-11 *Inorganic 1*

SW8151A

Samples:

SC38763-11 *Inorganic 1*

Poor surrogate recovery was observed.

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
Dalapon
Dicamba
Dichloroprop
Dinoseb

SC38763-13 *Corrosive Basic*

Poor surrogate recovery was observed.

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
Dalapon
Dicamba
Dichloroprop
Dinoseb

BY95071-LCSD

This parameter is outside laboratory lcs/lcsd specified recovery limits.

Dinoseb

SW8270D

Laboratory Control Samples:

BY94926-LCS

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

% 2,4,6-Tribromophenol
% 2-Fluorobiphenyl
% 2-Fluorophenol
% Nitrobenzene-d5
% Phenol-d5
% Terphenyl-d14
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dinitrotoluene
2-Methylphenol (o-cresol)
3&4-Methylphenol (m&p-Cresol)
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine

Samples:

SC38763-10 *Inorganic Solid*

SW8270D

Samples:

SC38763-10 *Inorganic Solid*

[Undefined]

% 2,4,6-Tribromophenol
% 2-Fluorobiphenyl
% 2-Fluorophenol
% Nitrobenzene-d5
% Phenol-d5
% Terphenyl-d14
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dinitrotoluene
2-Methylphenol (o-cresol)
3&4-Methylphenol (m&p-Cresol)
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine

BY94926-BLK

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

% 2,4,6-Tribromophenol
% 2-Fluorobiphenyl
% 2-Fluorophenol
% Nitrobenzene-d5
% Phenol-d5
% Terphenyl-d14
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dinitrotoluene
2-Methylphenol (o-cresol)
3&4-Methylphenol (m&p-Cresol)
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine

BY94926-LCSD

SW8270D

BY94926-LCSD

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

% 2,4,6-Tribromophenol
% 2-Fluorobiphenyl
% 2-Fluorophenol
% Nitrobenzene-d5
% Phenol-d5
% Terphenyl-d14
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dinitrotoluene
2-Methylphenol (o-cresol)
3&4-Methylphenol (m&p-Cresol)
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine

SW846 6010C

Laboratory Control Samples:

1715369 SRM/SRMD

Sodium percent recoveries (119/140) are outside individual acceptance criteria (71.8-128.2), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 1
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

Spikes:

1715369-MSD1 *Source: SC38763-12*

SW846 6010C

Spikes:

1715369-MSD1 *Source: SC38763-12*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Nickel
Potassium
Selenium
Silver
Thallium
Vanadium
Zinc

Duplicates:

1715369-DUP1 *Source: SC38763-12*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

Samples:

SC38763-01 *Chloride*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-02 *Flammable*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-03 *Combustible 1*

SW846 6010C

Samples:

SC38763-03 *Combustible 1*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-04 *Combustible 2*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-05 *Combustible 3*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-06 *Cyanide*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-07 *Acidic*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-08 *Basic Chloride*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-09 *Oxidizer*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-11 *Inorganic 1*

SW846 6010C

Samples:

SC38763-11 *Inorganic 1*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-12 *Inorganic 2*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-13 *Corrosive Basic*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-14 *Organic*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-15 *Waste Oil*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SC38763-16 *Pump Decon*

MRL raised to correlate to batch QC reporting limits.

Aluminum
Iron
Sodium
Zinc

SW846 8081B

Calibration:

SC38763-14

Internal standard area count (211700000) is outside criteria of the associated CCAL (67996450) for 2,4,5,6-TC-M-Xylene (IS) [2C] (311%).

Samples:

SC38763-05 *Combustible 3*

SW846 8081B

Samples:

SC38763-05 *Combustible 3*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SC38763-14 *Organic*

Matrix interference affected the internal standard recovery on the confirmation column. The results from the primary column were used.

2,4,5,6-TC-M-Xylene (IS) [2C]

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

Decachlorobiphenyl (Sr) [2C]

SW846 8082A

Samples:

SC38763-11 *Inorganic 1*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SW846 8100Mod.

Laboratory Control Samples:

1715504 BSD

Fuel Oil #2 RPD 57% (30%) is outside individual acceptance criteria.

Duplicates:

1715504-DUP1 *Source: SC38763-04*

RPD out of acceptance range.

Total Petroleum Hydrocarbons
Unidentified

Samples:

SC38763-05 *Combustible 3*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

1-Chlorooctadecane

SC38763-08 *Basic Chloride*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

1-Chlorooctadecane

SW846 8100Mod.

Samples:

SC38763-14 *Organic*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

1-Chlorooctadecane

SC38763-15 *Waste Oil*

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

1-Chlorooctadecane

SW846 8260C

Calibration:

1708066

Analyte quantified by quadratic equation type calibration.

1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
1,3-Dichlorobenzene
1,4-Dioxane
2-Chlorotoluene
2-Hexanone (MBK)
4-Chlorotoluene
4-Isopropyltoluene
Chloroethane
Isopropylbenzene
m,p-Xylene
Naphthalene
n-Butylbenzene
n-Propylbenzene
o-Xylene
sec-Butylbenzene
Styrene
tert-Butylbenzene

This affected the following samples:

S707318-ICV1

SC38763-02RE1

Internal standard area count (115338) is outside criteria of the associated CCAL (238783) for 1,4-Dichlorobenzene-d4 (48%).

SC38763-02RE2

Internal standard area count (104108) is outside criteria of the associated CCAL (238783) for 1,4-Dichlorobenzene-d4 (44%).

SC38763-12

Internal standard area count (123412) is outside criteria of the associated CCAL (250981) for 1,4-Dichlorobenzene-d4 (49%).

SC38763-12RE1

SW846 8260C

Calibration:

SC38763-12RE1

Internal standard area count (129043) is outside criteria of the associated CCAL (262505) for 1,4-Dichlorobenzene-d4 (49%).

SC38763-13

Internal standard area count (117083) is outside criteria of the associated CCAL (250981) for 1,4-Dichlorobenzene-d4 (47%).

SC38763-13RE1

Internal standard area count (117292) is outside criteria of the associated CCAL (262505) for 1,4-Dichlorobenzene-d4 (45%).

SC38763-15

Internal standard area count (117310) is outside criteria of the associated CCAL (250981) for 1,4-Dichlorobenzene-d4 (47%).

SC38763-15RE1

Internal standard area count (115841) is outside criteria of the associated CCAL (262505) for 1,4-Dichlorobenzene-d4 (44%).

Laboratory Control Samples:

1715207 BS/BSD

Carbon tetrachloride percent recoveries (144/128) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

Dibromochloromethane percent recoveries (141/127) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

SW846 8260C

Laboratory Control Samples:

1715207 BS/BSD

Ethyl tert-butyl ether percent recoveries (135/129) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

Tert-amyl methyl ether percent recoveries (140/130) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

trans-1,3-Dichloropropene percent recoveries (135/125) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

Samples:

S707968-CCV1

SW846 8260C

Samples:

S707968-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Benzene (25.0%)
Carbon tetrachloride (27.7%)
Dibromochloromethane (26.8%)
Ethyl tert-butyl ether (29.1%)
Tert-amyl methyl ether (30.0%)
trans-1,3-Dichloropropene (25.0%)

This affected the following samples:

1715207-BLK1
1715207-BS1
1715207-BSD1
Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

S708032-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromoethane (EDB) (25.2%)
Bromochloromethane (25.8%)
Dibromochloromethane (26.3%)
Ethyl tert-butyl ether (26.9%)
Tert-amyl methyl ether (29.0%)
trans-1,3-Dichloropropene (26.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

n-Butylbenzene (-21.3%)

This affected the following samples:

1715478-BLK1
1715478-BS1
1715478-BSD1
Combustible 3
Flammable

S708048-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-23.4%)
Tert-amyl methyl ether (25.7%)

SW846 8260C

Samples:

S708048-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Isopropyltoluene (-22.8%)
n-Butylbenzene (-28.8%)

This affected the following samples:

1715503-BLK1
1715503-BS1
1715503-BSD1
Corrosive Basic
Inorganic 1
Inorganic 2
Waste Oil

SC38763-01 *Chloride*

The Reporting Limit has been raised to account for matrix interference.

SC38763-02 *Flammable*

Non-target concentration sufficient to be reported as one of the highest TICs.

Methyl acetate

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC38763-02RE1 *Flammable*

Internal standard out due to matrix interference

1,4-Dichlorobenzene-d4

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC38763-02RE2 *Flammable*

Duplicate analysis confirmed internal standard failure due to matrix effects.

1,4-Dichlorobenzene-d4

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC38763-03 *Combustible 1*

The Reporting Limit has been raised to account for matrix interference.

SC38763-04 *Combustible 2*

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-05 *Combustible 3*

Non-target concentration sufficient to be reported as one of the highest TICs.

Methylcyclohexane

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8260C

Samples:

SC38763-05 *Combustible 3*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods.

Toluene-d8

SC38763-05RE1 *Combustible 3*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC38763-05RE2 *Combustible 3*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC38763-06 *Cyanide*

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-07 *Acidic*

The Reporting Limit has been raised to account for matrix interference.

SC38763-08 *Basic Chloride*

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-09 *Oxidizer*

The Reporting Limit has been raised to account for matrix interference.

SC38763-11 *Inorganic 1*

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-12 *Inorganic 2*

Internal standard out due to matrix interference

1,4-Dichlorobenzene-d4

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-12RE1 *Inorganic 2*

Internal standard out due to matrix interference

1,4-Dichlorobenzene-d4

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-13 *Corrosive Basic*

Internal standard out due to matrix interference

1,4-Dichlorobenzene-d4

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-13RE1 *Corrosive Basic*

SW846 8260C

Samples:

SC38763-13RE1 *Corrosive Basic*

Duplicate analysis confirmed internal standard failure due to matrix effects.

1,4-Dichlorobenzene-d4

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-14 *Organic*

The Reporting Limit has been raised to account for matrix interference.

SC38763-15 *Waste Oil*

Internal standard out due to matrix interference

1,4-Dichlorobenzene-d4

The Reporting Limit has been raised to account for matrix interference.

SC38763-15RE1 *Waste Oil*

Duplicate analysis confirmed internal standard failure due to matrix effects.

1,4-Dichlorobenzene-d4

The Reporting Limit has been raised to account for matrix interference.

SC38763-16 *Pump Decon*

The Reporting Limits for this analysis are elevated due to sample foaming.

SW846 8260C TICs

Samples:

SC38763-01 *Chloride*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

1-Pentanol

SC38763-02 *Flammable*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Isopropyl alcohol
Pentane, 2-methyl-

SC38763-05 *Combustible 3*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Benzene, 1-ethyl-2-methyl-
Benzene, 1-ethyl-3-methyl-
Nonane
Nonane, 4-methyl-

SC38763-06 *Cyanide*

SW846 8260C TICs

Samples:

SC38763-06 *Cyanide*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Benzene, 1-ethyl-3-methyl-

SC38763-11 *Inorganic 1*

The Reporting Limits for this analysis are elevated due to sample foaming.

SC38763-14 *Organic*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Benzene, 1-ethyl-2-methyl-
Benzene, 1-ethyl-3-methyl-

SC38763-16 *Pump Decon*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Butylated Hydroxytoluene
Phenol, 2,6-bis(1,1-dimethy...

SW846 8270D

Calibration:

1708113

Analyte quantified by quadratic equation type calibration.

2,4,6-Tribromophenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Nitroaniline
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Nitrophenol
Aniline
Benzidine
Benzoic acid
Bis(2-chloroisopropyl)ether
Carbazole
Hexachlorocyclopentadiene
Pentachlorophenol

Laboratory Control Samples:

1715334 BS/BSD

SW846 8270D

Laboratory Control Samples:

1715334 BS/BSD

4-Nitrophenol percent recoveries (144/144) are outside individual acceptance criteria (30-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 1
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

Benzidine percent recoveries (132/147) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 1
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

Samples:

S708138-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

4-Nitroaniline (34.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

3-Nitroaniline (40.1%)
Aniline (22.7%)
Benzidine (34.8%)
Bis(2-chloroisopropyl)ether (32.6%)
Carbazole (45.6%)

SW846 8270D

Samples:

S708138-CCV1

This affected the following samples:

1715334-BLK1
1715334-BS1
1715334-BSD1
1715334-DUP1
Acidic
Basic Chloride
Chloride
Combustible 1
Combustible 2
Combustible 3
Corrosive Basic
Cyanide
Flammable
Inorganic 1
Inorganic 2
Organic
Oxidizer
Pump Decon
Waste Oil

SC38763-01 *Chloride*

Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.

2,4,6-Tribromophenol

SC38763-04 *Combustible 2*

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2,4,6-Tribromophenol

SC38763-05 *Combustible 3*

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2,4,6-Tribromophenol
Nitrobenzene-d5
Phenol-d5

SC38763-06 *Cyanide*

Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.

2,4,6-Tribromophenol

SC38763-07 *Acidic*

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2,4,6-Tribromophenol
Phenol-d5

SC38763-08 *Basic Chloride*

SW846 8270D

Samples:

SC38763-08 *Basic Chloride*

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2-Fluorophenol
Phenol-d5

SC38763-11 *Inorganic 1*

Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.

2,4,6-Tribromophenol

The Reporting Limit has been raised to account for matrix interference.

SC38763-13 *Corrosive Basic*

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2,4,6-Tribromophenol
2-Fluorophenol
Phenol-d5

SC38763-14 *Organic*

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2,4,6-Tribromophenol
Nitrobenzene-d5

SC38763-15 *Waste Oil*

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2,4,6-Tribromophenol
2-Fluorobiphenyl
Nitrobenzene-d5
Terphenyl-dl4

SW846 8270D TICS

Samples:

SC38763-01 *Chloride*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Dipropylene glycol monometh...
Heptadecane, 2,6-dimethyl-
Hexadecane, 2,6,10,14-tetra...

SC38763-02 *Flammable*

SW846 8270D TICS

Samples:

SC38763-02 *Flammable*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Methyl isobutyl ketone
Phenol, 2,6-bis(1,1-dimethy...
Toluene

SC38763-04 *Combustible 2*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Cyclopropane, nonyl-

SC38763-05 *Combustible 3*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Benzene, 1,2,3-trimethyl-
Benzene, 1,2,4-trimethyl-
Benzene, 1,3,5-trimethyl-
Benzene, 1-ethyl-2-methyl-
Benzene, 1-ethyl-3,5-dimethyl-
Benzene, 1-methyl-3-propyl-
Benzene, 1-methyl-4-(2-prop...
Benzene, 1-methyl-4-propyl-
Benzene, 4-ethyl-1,2-dimethyl-
Benzene, propyl-
Cyclohexane, butyl-
Decane
Indane
Naphthalene, 1,4-dimethyl-
Naphthalene, 2,6-dimethyl- (01)
Nonane
Octane, 3,6-dimethyl-
Undecane (01)

SC38763-06 *Cyanide*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Dodecanoic acid
hexagol
Nonadecane
Nonanoic acid
Pentaethylene glycol monodo...

SC38763-07 *Acidic*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

1,3-Dioxolane, 2,2,4-trimet...
1-Hexanol
2-Pyrrolidinone, 1-methyl-

SC38763-11 *Inorganic 1*

SW846 8270D TICS

Samples:

SC38763-11 *Inorganic 1*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Dodecane, 2,6,10-trimethyl-
Phenol, 2,6-bis(1,1-dimethy...
Propylene glycol

SC38763-12 *Inorganic 2*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

1,4,7,10,13,16-Hexaoxacyclo...
1-Hexadecanol
1-Nonene
Cyclooctane
Dodecanoic acid
Ethanol, 2-(tetradecyloxy)-
Hexagol (02)
Pentaethylene glycol (02)
Pentaethylene glycol monodo... (06)

SC38763-13 *Corrosive Basic*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

2-Propanone, dimethylhydrazone
3-Penten-2-one, (E)-
3-Penten-2-one, 4-methyl-
Cyclohexanamine

SC38763-14 *Organic*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Benzene, 1,2,3-trimethyl- (02)
Benzene, 1-ethyl-2-methyl-
Benzene, 1-methyl-4-propyl-
Benzene, 4-ethyl-1,2-dimethyl-
Benzene, propyl-
Cyclohexane, butyl-
Cyclohexene, 1-methyl-4-(1-...
Indane
Naphthalene, decahydro-, tr...
Nonane, 3-methyl-
Undecane

SC38763-15 *Waste Oil*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

4,4'-Diamino-p-terphenyl
Butylated Hydroxytoluene
Phenol, 2,6-bis(1,1-dimethy...

SW846 9012B

Spikes:

SW846 9012B

Spikes:

1715372-MSD1 *Source: SC38763-08*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Cyanide (total)

Samples:

SC38763-08 *Basic Chloride*

The Reporting Limit has been raised to account for matrix interference.

Cyanide (amenable)

Sample Acceptance Check Form

Client:	Guardian Environmental Services Company, Inc.
Project:	Deferiet Paper Mill, NY / 14800.0039
Work Order:	SC38763
Sample(s) received on:	9/1/2017

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☑	☐	☐
Were custody seals intact?	☑	☐	☐
Were samples received at a temperature of ≤ 6°C?	☐	☑	☐
Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☐	☑	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Summary of Hits

Lab ID: SC38763-01 **Client ID:** Chloride

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	6720		1.3	mg/kg	EPA 1664B
Chloride	46500	GS1, D	987	mg/kg	EPA 300.0
Total Solids	390000		1000	mg/l	SM2540 B (11)
Aluminum	1810	R06	24.3	mg/kg	SW846 6010C
Arsenic	0.927	J	6.62	mg/kg	SW846 6010C
Iron	177	R06, J	179	mg/kg	SW846 6010C
Potassium	5430		221	mg/kg	SW846 6010C
Sodium	2050	R06	2050	mg/kg	SW846 6010C
1,2,4-Trimethylbenzene	449	J, D	483	µg/kg	SW846 8260C
1,3,5-Trimethylbenzene	362	J, D	483	µg/kg	SW846 8260C
2-Hexanone (MBK)	3130	D	966	µg/kg	SW846 8260C
Acetone	3650	J, D	4830	µg/kg	SW846 8260C
Naphthalene	637	D	483	µg/kg	SW846 8260C
n-Butylbenzene	420	J, D	483	µg/kg	SW846 8260C
n-Propylbenzene	314	J, D	483	µg/kg	SW846 8260C
sec-Butylbenzene	401	J, D	483	µg/kg	SW846 8260C
tert-Butylbenzene	328	J, D	483	µg/kg	SW846 8260C

Lab ID: SC38763-02 **Client ID:** Flammable

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	1020000		80.0	mg/kg	EPA 1664B
Total Solids	181000		500	mg/l	SM2540 B (11)
Aluminum	6.28	R06, J	26.5	mg/kg	SW846 6010C
Antimony	1.97	J	24.1	mg/kg	SW846 6010C
Arsenic	5.75	J	7.22	mg/kg	SW846 6010C
Iron	19.8	R06, J	195	mg/kg	SW846 6010C
Potassium	124	J	241	mg/kg	SW846 6010C
Selenium	3.08	J	7.22	mg/kg	SW846 6010C
Sodium	678	R06, J	2240	mg/kg	SW846 6010C
4-Methyl-2-pentanone (MIBK)	8640000	D, E	5070	µg/kg	SW846 8260C
Ethanol	151000000	D, E	507000	µg/kg	SW846 8260C
Methyl acetate	1070000	NonTR	12700	µg/kg	SW846 8260C
Toluene	241000	D	2540	µg/kg	SW846 8260C

Lab ID: SC38763-02RE1 **Client ID:** Flammable

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
4-Methyl-2-pentanone (MIBK)	12500000	D	406000	µg/kg	SW846 8260C
Ethanol	548000000	D, E	40600000	µg/kg	SW846 8260C
Toluene	444000	D	203000	µg/kg	SW846 8260C

Lab ID: SC38763-02RE2 **Client ID:** Flammable

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
4-Methyl-2-pentanone (MIBK)	4710000	D	1010000	µg/kg	SW846 8260C
Ethanol	253000000	D	101000000	µg/kg	SW846 8260C
Toluene	203000	J, D	507000	µg/kg	SW846 8260C

Lab ID: SC38763-03 **Client ID:** Combustible 1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	254000		80.0	mg/kg	EPA 1664B
Total Solids	184000		500	mg/l	SM2540 B (11)
Aluminum	15.4	R06, J	23.7	mg/kg	SW846 6010C
Iron	39.9	R06, J	174	mg/kg	SW846 6010C
Magnesium	6.67	J	21.5	mg/kg	SW846 6010C
Manganese	2.07	J	4.30	mg/kg	SW846 6010C
Potassium	331		215	mg/kg	SW846 6010C
Sodium	14700	R06	2000	mg/kg	SW846 6010C
Acetone	2720	J, D	5000	µg/kg	SW846 8260C

Lab ID: SC38763-04 **Client ID:** Combustible 2

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Solids	164000		500	mg/l	SM2540 B (11)
Barium	0.677	J	4.36	mg/kg	SW846 6010C
Calcium	25.6	J	109	mg/kg	SW846 6010C
Chromium	0.786	J	4.36	mg/kg	SW846 6010C
Iron	78.9	R06, J	177	mg/kg	SW846 6010C
Lead	1.64	J	6.55	mg/kg	SW846 6010C
Potassium	74500		218	mg/kg	SW846 6010C
Sodium	32800	R06	2030	mg/kg	SW846 6010C
Other Oil	Calculated as		1630	mg/kg	SW846 8100Mod.
Total Petroleum Hydrocarbons	17200		1630	mg/kg	SW846 8100Mod.
Unidentified	17200		1630	mg/kg	SW846 8100Mod.
Benzidine	343000		77200	µg/kg	SW846 8270D

Lab ID: SC38763-05 **Client ID:** Combustible 3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Solids	164000		500	mg/l	SM2540 B (11)
Arsenic	2.09	J	6.80	mg/kg	SW846 6010C
Calcium	71.8	J	113	mg/kg	SW846 6010C
Iron	15.8	R06, J	184	mg/kg	SW846 6010C
Potassium	67.5	J	227	mg/kg	SW846 6010C
Sodium	591	R06, J	2110	mg/kg	SW846 6010C
Zinc	29.2	R06	4.76	mg/kg	SW846 6010C
Fuel Oil #2	Calculated as		18000	mg/kg	SW846 8100Mod.
Gasoline	Calculated as		18000	mg/kg	SW846 8100Mod.
Total Petroleum Hydrocarbons	1000000	D	18000	mg/kg	SW846 8100Mod.
Unidentified	1000000	D	18000	mg/kg	SW846 8100Mod.
1,2,4-Trimethylbenzene	3000000	D, E	4970	µg/kg	SW846 8260C
1,3,5-Trimethylbenzene	1750000	D, E	4970	µg/kg	SW846 8260C
4-Isopropyltoluene	145000	D	4970	µg/kg	SW846 8260C
Benzene	15600	D	4970	µg/kg	SW846 8260C
Ethylbenzene	125000	D	4970	µg/kg	SW846 8260C
Isopropylbenzene	344000	D	4970	µg/kg	SW846 8260C
m,p-Xylene	583000	D, E	9930	µg/kg	SW846 8260C
Methyl tert-butyl ether	10300	D	4970	µg/kg	SW846 8260C
Methylcyclohexane	91000	NonTR	24800	µg/kg	SW846 8260C
Naphthalene	677000	D, E	4970	µg/kg	SW846 8260C
n-Butylbenzene	232000	D	4970	µg/kg	SW846 8260C
n-Propylbenzene	1130000	D, E	4970	µg/kg	SW846 8260C
o-Xylene	630000	D, E	4970	µg/kg	SW846 8260C
sec-Butylbenzene	215000	D	4970	µg/kg	SW846 8260C
Styrene	21200	D	4970	µg/kg	SW846 8260C
tert-Butylbenzene	14600	D	4970	µg/kg	SW846 8260C
Toluene	254000	D	4970	µg/kg	SW846 8260C
1-Methylnaphthalene	2090000	D	152000	µg/kg	SW846 8270D
2-Methylnaphthalene	4380000	D	152000	µg/kg	SW846 8270D
Acenaphthene	154000	D	152000	µg/kg	SW846 8270D
Dibenzofuran	74200	J, D	380000	µg/kg	SW846 8270D
Fluorene	245000	D	152000	µg/kg	SW846 8270D
Naphthalene	1350000	D	152000	µg/kg	SW846 8270D
Phenanthrene	377000	D	152000	µg/kg	SW846 8270D

Lab ID: SC38763-05RE1 **Client ID:** Combustible 3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,2,4-Trimethylbenzene	9630000	D, E	49700	µg/kg	SW846 8260C
1,3,5-Trimethylbenzene	3200000	D	49700	µg/kg	SW846 8260C
4-Isopropyltoluene	198000	D	49700	µg/kg	SW846 8260C
Benzene	15400	J, D	49700	µg/kg	SW846 8260C
Ethylbenzene	132000	D	49700	µg/kg	SW846 8260C
Isopropylbenzene	387000	D	49700	µg/kg	SW846 8260C
m,p-Xylene	540000	D	99300	µg/kg	SW846 8260C
Naphthalene	850000	D	49700	µg/kg	SW846 8260C
n-Butylbenzene	385000	D	49700	µg/kg	SW846 8260C
n-Propylbenzene	1730000	D	49700	µg/kg	SW846 8260C
o-Xylene	819000	D	49700	µg/kg	SW846 8260C
sec-Butylbenzene	316000	D	49700	µg/kg	SW846 8260C
Styrene	47700	J, D	49700	µg/kg	SW846 8260C
tert-Butylbenzene	46200	J, D	49700	µg/kg	SW846 8260C
Toluene	269000	D	49700	µg/kg	SW846 8260C

Lab ID: SC38763-05RE2 **Client ID:** Combustible 3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,2,4-Trimethylbenzene	8450000	D	199000	µg/kg	SW846 8260C
1,3,5-Trimethylbenzene	2440000	D	199000	µg/kg	SW846 8260C
4-Isopropyltoluene	238000	D	199000	µg/kg	SW846 8260C
Ethylbenzene	123000	J, D	199000	µg/kg	SW846 8260C
Isopropylbenzene	324000	D	199000	µg/kg	SW846 8260C
m,p-Xylene	469000	D	397000	µg/kg	SW846 8260C
Naphthalene	560000	D	199000	µg/kg	SW846 8260C
n-Butylbenzene	280000	D	199000	µg/kg	SW846 8260C
n-Propylbenzene	1290000	D	199000	µg/kg	SW846 8260C
o-Xylene	566000	D	199000	µg/kg	SW846 8260C
sec-Butylbenzene	350000	D	199000	µg/kg	SW846 8260C
tert-Butylbenzene	127000	J, D	199000	µg/kg	SW846 8260C
Tetrachloroethene	157000	J, D	199000	µg/kg	SW846 8260C
Toluene	242000	D	199000	µg/kg	SW846 8260C

Lab ID: SC38763-06 **Client ID:** Cyanide

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	421		1.3	mg/kg	EPA 1664B
Total Solids	49100		500	mg/l	SM2540 B (11)
Calcium	55.0	J	115	mg/kg	SW846 6010C
Copper	1.67	J	4.59	mg/kg	SW846 6010C
Iron	39.2	R06, J	186	mg/kg	SW846 6010C
Magnesium	11.9	J	22.9	mg/kg	SW846 6010C
Manganese	3.28	J	4.59	mg/kg	SW846 6010C
Nickel	0.642	J	4.59	mg/kg	SW846 6010C
Potassium	92.2	J	229	mg/kg	SW846 6010C
Sodium	9140	R06	2130	mg/kg	SW846 6010C
Zinc	121	R06	4.82	mg/kg	SW846 6010C
Benzidine	131000		64000	µg/kg	SW846 8270D

Lab ID: SC38763-07 **Client ID:** Acidic

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	7200		1.4	mg/kg	EPA 1664B
Chloride	1510	GS1, D297		mg/kg	EPA 300.0
Fluoride	20.2	R01, J, 29.7		mg/kg	EPA 300.0
Sulfate as SO4	10700	GS1, D297		mg/kg	EPA 300.0
Total Solids	31900		500	mg/l	SM2540 B (11)
Aluminum	8.42	R06, J	24.6	mg/kg	SW846 6010C
Arsenic	1.57	J	6.72	mg/kg	SW846 6010C
Barium	1.68	J	4.48	mg/kg	SW846 6010C
Calcium	66.2	J	112	mg/kg	SW846 6010C
Chromium	0.605	J	4.48	mg/kg	SW846 6010C
Copper	2.08	J	4.48	mg/kg	SW846 6010C
Iron	149	R06, J	181	mg/kg	SW846 6010C
Lead	0.985	J	6.72	mg/kg	SW846 6010C
Nickel	0.694	J	4.48	mg/kg	SW846 6010C
Potassium	74.8	J	224	mg/kg	SW846 6010C
Sodium	4990	R06	2080	mg/kg	SW846 6010C
Zinc	96.9	R06	4.70	mg/kg	SW846 6010C
Naphthalene	31700	D	2570	µg/kg	SW846 8260C
1-Methylnaphthalene	9460	J	14000	µg/kg	SW846 8270D
2-Methylnaphthalene	18100		14000	µg/kg	SW846 8270D
Naphthalene	12800	J	14000	µg/kg	SW846 8270D

Lab ID: SC38763-08 **Client ID:** Basic Chloride

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Solids	317000		1000	mg/l	SM2540 B (11)
Aluminum	6.08	R06, J	26.8	mg/kg	SW846 6010C
Arsenic	0.924	J	7.30	mg/kg	SW846 6010C
Calcium	45.4	J	122	mg/kg	SW846 6010C
Iron	15.8	R06, J	197	mg/kg	SW846 6010C
Magnesium	12.6	J	24.3	mg/kg	SW846 6010C
Nickel	0.559	J	4.86	mg/kg	SW846 6010C
Potassium	14800		243	mg/kg	SW846 6010C
Sodium	43100	R06	2260	mg/kg	SW846 6010C
Other Oil	Calculated as		8470	mg/kg	SW846 8100Mod.
Total Petroleum Hydrocarbons	213000	D	8470	mg/kg	SW846 8100Mod.
Unidentified	213000	D	8470	mg/kg	SW846 8100Mod.
Benzidine	604000		85000	µg/kg	SW846 8270D
Cyanide (total)	0.426	J	0.493	mg/kg	SW846 9012B

Lab ID: SC38763-09 **Client ID:** Oxidizer

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	77.6		1.3	mg/kg	EPA 1664B
Calcium	176		109	mg/kg	SW846 6010C
Magnesium	22.7		21.7	mg/kg	SW846 6010C
Potassium	72.4	J	217	mg/kg	SW846 6010C
Sodium	160	R06, J	2020	mg/kg	SW846 6010C
Benzidine	85900		77700	µg/kg	SW846 8270D

Lab ID: SC38763-10 **Client ID:** Inorganic Solid

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	167000		110	mg/kg	EPA 1664B

Lab ID: SC38763-11 **Client ID:** Inorganic 1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	41600		1.4	mg/kg	EPA 1664B
Total Solids	161000		500	mg/l	SM2540 B (11)
Aluminum	6.66	R06, J	25.7	mg/kg	SW846 6010C
Arsenic	0.911	J	7.01	mg/kg	SW846 6010C
Barium	4.21	J	4.67	mg/kg	SW846 6010C
Calcium	65.7	J	117	mg/kg	SW846 6010C
Iron	21.0	R06, J	189	mg/kg	SW846 6010C
Potassium	150	J	234	mg/kg	SW846 6010C
Sodium	8120	R06	2170	mg/kg	SW846 6010C
Zinc	5.40	R06	4.91	mg/kg	SW846 6010C
Aroclor-1260	2420		171	µg/kg	SW846 8082A

Lab ID: SC38763-12 **Client ID:** Inorganic 2

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	618		1.3	mg/kg	EPA 1664B
Total Solids	53600		500	mg/l	SM2540 B (11)
Calcium	23.2	J	112	mg/kg	SW846 6010C
Potassium	92.1	J	223	mg/kg	SW846 6010C
Sodium	6360	R06	2080	mg/kg	SW846 6010C
Benzidine	365000		78400	µg/kg	SW846 8270D

Lab ID: SC38763-13 **Client ID:** Corrosive Basic

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	1580		1.2	mg/kg	EPA 1664B
Total Solids	243000		1000	mg/l	SM2540 B (11)
Arsenic	0.989	J	5.94	mg/kg	SW846 6010C
Calcium	25.1	J	98.9	mg/kg	SW846 6010C
Manganese	7.87		3.96	mg/kg	SW846 6010C
Potassium	7410		198	mg/kg	SW846 6010C
Silver	2.14	J	5.94	mg/kg	SW846 6010C
Sodium	45800	R06	1840	mg/kg	SW846 6010C
Cyanide (total)	1.39		0.496	mg/kg	SW846 9012B

Lab ID: SC38763-14 **Client ID:** Organic

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Solids	2000000		5000	mg/l	SM2540 B (11)
Barium	43.4		4.48	mg/kg	SW846 6010C
Calcium	128		112	mg/kg	SW846 6010C
Chromium	1.23	J	4.48	mg/kg	SW846 6010C
Copper	36.4		4.48	mg/kg	SW846 6010C
Iron	139	R06, J	182	mg/kg	SW846 6010C
Lead	1.93	J	6.73	mg/kg	SW846 6010C
Magnesium	41.7		22.4	mg/kg	SW846 6010C
Manganese	1.48	J	4.48	mg/kg	SW846 6010C
Nickel	0.740	J	4.48	mg/kg	SW846 6010C
Potassium	60.7	J	224	mg/kg	SW846 6010C
Sodium	1450	R06, J	2090	mg/kg	SW846 6010C
Zinc	213	R06	4.71	mg/kg	SW846 6010C
Mercury	0.0095	J	0.0299	mg/kg	SW846 7471B
Ligroin	Calculated as		86600	mg/kg	SW846 8100Mod.
Other Oil	Calculated as		86600	mg/kg	SW846 8100Mod.
Total Petroleum Hydrocarbons	1000000	D	86600	mg/kg	SW846 8100Mod.
Unidentified	1000000	D	86600	mg/kg	SW846 8100Mod.
1,2,4-Trimethylbenzene	1410000	D	51600	µg/kg	SW846 8260C
1,3,5-Trimethylbenzene	421000	D	51600	µg/kg	SW846 8260C
Isopropylbenzene	48500	J, D	51600	µg/kg	SW846 8260C
n-Butylbenzene	34600	J, D	51600	µg/kg	SW846 8260C
n-Propylbenzene	189000	D	51600	µg/kg	SW846 8260C
o-Xylene	53700	D	51600	µg/kg	SW846 8260C
sec-Butylbenzene	59900	D	51600	µg/kg	SW846 8260C

Lab ID: SC38763-15 **Client ID:** Waste Oil

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Solids	351000		1000	mg/l	SM2540 B (11)
Iron	39.0	R06, J	173	mg/kg	SW846 6010C
Potassium	48.4	J	214	mg/kg	SW846 6010C
Sodium	444	R06, J	1990	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	970000	D	33900	mg/kg	SW846 8100Mod.
Unidentified	970000	D	33900	mg/kg	SW846 8100Mod.

Lab ID: SC38763-16 **Client ID:** Pump Decon

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Non-polar material (SGT-HEM)	145		1.4	mg/kg	EPA 1664B
Total Solids	4000		500	mg/l	SM2540 B (11)
Calcium	47.1	J	108	mg/kg	SW846 6010C
Magnesium	7.57	J	21.6	mg/kg	SW846 6010C
Potassium	44.4	J	216	mg/kg	SW846 6010C
Sodium	400	R06, J	2010	mg/kg	SW846 6010C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Chloride	14800.0039	Liquid	30-Aug-17 13:00	01-Sep-17
SC38763-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R01										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 15.53 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 483	U, D	µg/kg	483	245	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	**3,650**	J, D	µg/kg	4830	1930	500	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 483	U, D	µg/kg	483	464	500	"	"	"	"	"	X
71-43-2	Benzene	< 483	U, D	µg/kg	483	128	500	"	"	"	"	"	X
108-86-1	Bromobenzene	< 483	U, D	µg/kg	483	129	500	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 483	U, D	µg/kg	483	244	500	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 483	U, D	µg/kg	483	322	500	"	"	"	"	"	X
75-25-2	Bromoform	< 483	U, D	µg/kg	483	461	500	"	"	"	"	"	X
74-83-9	Bromomethane	< 966	U, D	µg/kg	966	436	500	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 966	U, D	µg/kg	966	863	500	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**420**	J, D	µg/kg	483	138	500	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**401**	J, D	µg/kg	483	87.9	500	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	**328**	J, D	µg/kg	483	108	500	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 966	U, D	µg/kg	966	309	500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 483	U, D	µg/kg	483	395	500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 483	U, D	µg/kg	483	151	500	"	"	"	"	"	X
75-00-3	Chloroethane	< 966	U, D	µg/kg	966	268	500	"	"	"	"	"	X
67-66-3	Chloroform	< 483	U, D	µg/kg	483	259	500	"	"	"	"	"	X
74-87-3	Chloromethane	< 966	U, D	µg/kg	966	199	500	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 483	U, D	µg/kg	483	120	500	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 483	U, D	µg/kg	483	113	500	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 966	U, D	µg/kg	966	698	500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 483	U, D	µg/kg	483	327	500	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 483	U, D	µg/kg	483	324	500	"	"	"	"	"	X
74-95-3	Dibromomethane	< 483	U, D	µg/kg	483	251	500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 483	U, D	µg/kg	483	126	500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 483	U, D	µg/kg	483	105	500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 483	U, D	µg/kg	483	143	500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 966	U, D	µg/kg	966	183	500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 483	U, D	µg/kg	483	127	500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 483	U, D	µg/kg	483	173	500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 483	U, D	µg/kg	483	253	500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 483	U, D	µg/kg	483	179	500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 483	U, D	µg/kg	483	256	500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 483	U, D	µg/kg	483	253	500	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 483	U, D	µg/kg	483	250	500	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 483	U, D	µg/kg	483	228	500	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 483	U, D	µg/kg	483	156	500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 483	U, D	µg/kg	483	291	500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 483	U, D	µg/kg	483	254	500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Chloride	14800.0039	Liquid	30-Aug-17 13:00	01-Sep-17
SC38763-01				

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260 R01

Initial weight: 15.53 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
100-41-4	Ethylbenzene	< 483	U, D	µg/kg	483	69.5	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 483	U, D	µg/kg	483	242	500	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	**3,130**	D	µg/kg	966	593	500	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 483	U, D	µg/kg	483	95.1	500	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 483	U, D	µg/kg	483	104	500	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 483	U, D	µg/kg	483	178	500	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 966	U, D	µg/kg	966	248	500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 966	U, D	µg/kg	966	192	500	"	"	"	"	"	X
91-20-3	Naphthalene	**637**	D	µg/kg	483	287	500	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**314**	J, D	µg/kg	483	78.2	500	"	"	"	"	"	X
100-42-5	Styrene	< 483	U, D	µg/kg	483	97.1	500	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 483	U, D	µg/kg	483	410	500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 483	U, D	µg/kg	483	409	500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 483	U, D	µg/kg	483	165	500	"	"	"	"	"	X
108-88-3	Toluene	< 483	U, D	µg/kg	483	156	500	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 483	U, D	µg/kg	483	170	500	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 483	U, D	µg/kg	483	356	500	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 483	U, D	µg/kg	483	152	500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 483	U, D	µg/kg	483	160	500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 483	U, D	µg/kg	483	350	500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 483	U, D	µg/kg	483	132	500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 483	U, D	µg/kg	483	260	500	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 483	U, D	µg/kg	483	362	500	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**449**	J, D	µg/kg	483	117	500	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**362**	J, D	µg/kg	483	83.1	500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 483	U, D	µg/kg	483	163	500	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 966	U, D	µg/kg	966	86.9	500	"	"	"	"	"	X
95-47-6	o-Xylene	< 483	U, D	µg/kg	483	135	500	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 966	U, D	µg/kg	966	761	500	"	"	"	"	"	
60-29-7	Ethyl ether	< 483	U, D	µg/kg	483	438	500	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 483	U, D	µg/kg	483	161	500	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 483	U, D	µg/kg	483	260	500	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 483	U, D	µg/kg	483	89.8	500	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 4830	U, D	µg/kg	4830	3160	500	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 9660	U, D	µg/kg	9660	8390	500	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2410	U, D	µg/kg	2410	1100	500	"	"	"	"	"	X
64-17-5	Ethanol	< 96600	U, D	µg/kg	96600	18000	500	"	"	"	"	"	

Surrogate recoveries:

460-00-4	*4-Bromofluorobenzene*	*117*	*70-130 %*	"	"	"	"	"
2037-26-5	*Toluene-d8*	*111*	*70-130 %*	"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*110*	*70-130 %*	"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*109*	*70-130 %*	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Chloride	14800.0039	Liquid	30-Aug-17 13:00	01-Sep-17
SC38763-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
						Initial weight: 15.53 g							
71-41-0	1-Pentanol	12,000	J N, D	µg/kg			500	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 12500	U	µg/kg	12500	6200	1	SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 12500	U	µg/kg	12500	6140	1	"	"	"	"	"	X
62-53-3	Aniline	< 61600	U	µg/kg	61600	4430	1	"	"	"	"	"	X
120-12-7	Anthracene	< 12500	U	µg/kg	12500	5960	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 61600	U	µg/kg	61600	6060	1	"	"	"	"	"	
92-87-5	Benzidine	< 61600	U	µg/kg	61600	12400	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 12500	U	µg/kg	12500	6570	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 12500	U	µg/kg	12500	4640	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 12500	U	µg/kg	12500	6030	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 12500	U	µg/kg	12500	5010	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 12500	U	µg/kg	12500	4870	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 61600	U	µg/kg	61600	12900	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 61600	U	µg/kg	61600	5050	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 61600	U	µg/kg	61600	5470	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 31200	U	µg/kg	31200	4470	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 31200	U	µg/kg	31200	4800	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 31200	U	µg/kg	31200	7690	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 61600	U	µg/kg	61600	5770	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 61600	U	µg/kg	61600	7190	1	"	"	"	"	"	X
86-74-8	Carbazole	< 31200	U	µg/kg	31200	17400	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 61600	U	µg/kg	61600	5880	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 31200	U	µg/kg	31200	6740	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 61600	U	µg/kg	61600	5700	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 31200	U	µg/kg	31200	5550	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 61600	U	µg/kg	61600	7320	1	"	"	"	"	"	X
218-01-9	Chrysene	< 12500	U	µg/kg	12500	6220	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 12500	U	µg/kg	12500	4780	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 31200	U	µg/kg	31200	4740	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 61600	U	µg/kg	61600	5380	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 61600	U	µg/kg	61600	5380	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 61600	U	µg/kg	61600	5710	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 61600	U	µg/kg	61600	9380	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 31200	U	µg/kg	31200	5830	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 61600	U	µg/kg	61600	7620	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 61600	U	µg/kg	61600	6740	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 61600	U	µg/kg	61600	4410	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 61600	U	µg/kg	61600	6540	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Chloride	14800.0039	Liquid	30-Aug-17 13:00	01-Sep-17
SC38763-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 61600	U	µg/kg	61600	7910	1	SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 61600	U	µg/kg	61600	6280	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 31200	U	µg/kg	31200	12100	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 31200	U	µg/kg	31200	7020	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 61600	U	µg/kg	61600	6960	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 12500	U	µg/kg	12500	6580	1	"	"	"	"	"	X
86-73-7	Fluorene	< 12500	U	µg/kg	12500	6330	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 31200	U	µg/kg	31200	6140	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 31200	U	µg/kg	31200	7450	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 31200	U	µg/kg	31200	4240	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 31200	U	µg/kg	31200	6720	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 12500	U	µg/kg	12500	4480	1	"	"	"	"	"	X
78-59-1	Isophorone	< 31200	U	µg/kg	31200	5850	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 12500	U	µg/kg	12500	7530	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 61600	U	µg/kg	61600	5240	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 61600	U	µg/kg	61600	5960	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 12500	U	µg/kg	12500	5810	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 61600	U	µg/kg	61600	5230	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 61600	U	µg/kg	61600	8420	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 31200	U	µg/kg	31200	9600	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 31200	U	µg/kg	31200	5680	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 31200	U	µg/kg	31200	5170	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 247000	U	µg/kg	247000	9960	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 31200	U	µg/kg	31200	5790	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 31200	U	µg/kg	31200	6070	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 61600	U	µg/kg	61600	6680	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 61600	U	µg/kg	61600	6590	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 12500	U	µg/kg	12500	5800	1	"	"	"	"	"	X
108-95-2	Phenol	< 61600	U	µg/kg	61600	4060	1	"	"	"	"	"	X
129-00-0	Pyrene	< 12500	U	µg/kg	12500	6950	1	"	"	"	"	"	X
110-86-1	Pyridine	< 61600	U	µg/kg	61600	9190	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 61600	U	µg/kg	61600	6110	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 12500	U	µg/kg	12500	6130	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 61600	U	µg/kg	61600	5550	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 31200	U	µg/kg	31200	5560	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 61600	U	µg/kg	61600	9730	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 61600	U	µg/kg	61600	5980	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*82*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*84*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*85*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*101*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*92*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Chloride	14800.0039	Liquid	30-Aug-17 13:00	01-Sep-17
SC38763-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*	*133*	SAC		*30-130 %*			SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
54105-67-8	Heptadecane, 2,6-dimethyl-	**73,700**	J N	µg/l			1	SW846 8270D TICS	"	"	MSL	"	
000638-36-8	Hexadecane, 2,6,10,14-tetra...	**82,300**	J N	µg/l			1	"	"	"	"	"	
034590-94-8	Dipropylene glycol monometh...	**249,000**	J N	µg/l			1	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 165	U	µg/kg	165	74.0	1	SW846 8082A	08-Sep-17	08-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 165	U	µg/kg	165	87.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 165	U	µg/kg	165	82.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 165	U	µg/kg	165	163	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 165	U	µg/kg	165	151	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 165	U	µg/kg	165	108	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 165	U	µg/kg	165	88.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 165	U	µg/kg	165	144	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 165	U	µg/kg	165	74.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 82.5	U	µg/kg	82.5	22.1	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 82.5	U	µg/kg	82.5	32.7	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 82.5	U	µg/kg	82.5	23.8	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 49.5	U	µg/kg	49.5	23.8	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 82.5	U	µg/kg	82.5	27.6	1	"	"	"	"	"	X
309-00-2	Aldrin	< 82.5	U	µg/kg	82.5	25.4	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 82.5	U	µg/kg	82.5	29.2	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 82.5	U	µg/kg	82.5	29.1	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 82.5	U	µg/kg	82.5	29.1	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 82.5	U	µg/kg	82.5	26.1	1	"	"	"	"	"	X
72-20-8	Endrin	< 132	U	µg/kg	132	29.1	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 132	U	µg/kg	132	31.0	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 132	U	µg/kg	132	28.7	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 132	U	µg/kg	132	27.6	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 132	U	µg/kg	132	25.4	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 132	U	µg/kg	132	29.2	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 132	U	µg/kg	132	29.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Chloride	14800.0039	Liquid	30-Aug-17 13:00	01-Sep-17
SC38763-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
7421-93-4	Endrin aldehyde	< 132	U	µg/kg	132	27.6	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
5103-71-9	alpha-Chlordane	< 82.5	U	µg/kg	82.5	28.2	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 82.5	U	µg/kg	82.5	29.7	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1650	U	µg/kg	1650	357	1	"	"	"	"	"	X
57-74-9	Chlordane	< 330	U	µg/kg	330	327	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 82.5	U	µg/kg	82.5	40.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*116*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*114*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**6,720**		mg/kg	1.3	0.7	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.62	U	mg/kg	6.62	0.715	1	SW846 6010C	08-Sep-17	08-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	**1,810**	R06	mg/kg	24.3	5.01	1	"	"	"	"	"	X
7440-38-2	Arsenic	**0.927**	J	mg/kg	6.62	0.839	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.42	U	mg/kg	4.42	0.521	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.21	U	mg/kg	2.21	0.111	1	"	"	"	"	"	X
7440-70-2	Calcium	< 110	U	mg/kg	110	22.6	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.21	U	mg/kg	2.21	0.114	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.42	U	mg/kg	4.42	0.256	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.42	U	mg/kg	4.42	0.587	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.42	U	mg/kg	4.42	1.06	1	"	"	"	"	"	X
7439-89-6	Iron	**177**	R06, J	mg/kg	179	9.09	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0278	U	mg/kg	0.0278	0.0077	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**5,430**		mg/kg	221	15.4	1	SW846 6010C	"	08-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 22.1	U	mg/kg	22.1	6.36	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.42	U	mg/kg	4.42	1.13	1	"	"	"	"	"	X
7440-23-5	Sodium	**2,050**	R06	mg/kg	2050	47.5	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.42	U	mg/kg	4.42	0.508	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.62	U	mg/kg	6.62	0.936	1	"	"	"	"	"	X
7440-36-0	Antimony	< 22.1	U	mg/kg	22.1	1.66	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.62	U	mg/kg	6.62	1.26	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.2	U	mg/kg	13.2	4.87	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.62	U	mg/kg	6.62	1.17	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.64	R06, U	mg/kg	4.64	3.42	1	"	"	"	"	"	X
General Chemistry Parameters													
Prepared by method General Preparation SVOC													
16887-00-6	Chloride	**46,500**	GS1, D	mg/kg	987	24.1	100	EPA 300.0	05-Sep-17	05-Sep-17	LNB	1715158	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Chloride SC38763-01	14800.0039	Liquid	30-Aug-17 13:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	Total Solids	**390,000**		mg/l	1000	1000	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**5.29**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 16:49	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 400336-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 500	Q4	ug/L	500	500	100	SW8151A	06-Sep-17	08-Sep-17 14:08	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 500	Q4	ug/L	500	500	100	"	"	"	"	"	
94-75-7	2,4-D	< 1000	Q4	ug/L	1000	1000	100	"	"	"	"	"	
94-82-6	2,4-DB	< 10000	Q4	ug/L	10000	10000	100	"	"	"	"	"	
75-99-0	Dalapon	< 500	Q4	ug/L	500	500	100	"	"	"	"	"	
1918-00-9	Dicamba	< 500	Q4	ug/L	500	500	100	"	"	"	"	"	
120-36-5	Dichloroprop	< 1000	Q4	ug/L	1000	1000	100	"	"	"	"	"	
88-85-7	Dinoseb	< 1000	Q4	ug/L	1000	1000	100	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*114*	Q3		*30-150 %*			"	"	-Sep-17 20:	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Total Organic Halides	**See Report**		mg/L			1	EPA 9020		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, Karl Fischer, % (by volumne)	**70.2**		% by Volume		0.10	1	SW846 9000	"	07-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.79 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 2540	U, D	µg/kg	2540	1290	2500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 25400	U, D	µg/kg	25400	10100	2500	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 2540	U, D	µg/kg	2540	2440	2500	"	"	"	"	"	X
71-43-2	Benzene	< 2540	U, D	µg/kg	2540	672	2500	"	"	"	"	"	X
108-86-1	Bromobenzene	< 2540	U, D	µg/kg	2540	677	2500	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 2540	U, D	µg/kg	2540	1280	2500	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 2540	U, D	µg/kg	2540	1690	2500	"	"	"	"	"	X
75-25-2	Bromoform	< 2540	U, D	µg/kg	2540	2420	2500	"	"	"	"	"	X
74-83-9	Bromomethane	< 5070	U, D	µg/kg	5070	2290	2500	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 5070	U, D	µg/kg	5070	4530	2500	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 2540	U, D	µg/kg	2540	725	2500	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 2540	U, D	µg/kg	2540	461	2500	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 2540	U, D	µg/kg	2540	568	2500	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 5070	U, D	µg/kg	5070	1620	2500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 2540	U, D	µg/kg	2540	2070	2500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 2540	U, D	µg/kg	2540	794	2500	"	"	"	"	"	X
75-00-3	Chloroethane	< 5070	U, D	µg/kg	5070	1410	2500	"	"	"	"	"	X
67-66-3	Chloroform	< 2540	U, D	µg/kg	2540	1360	2500	"	"	"	"	"	X
74-87-3	Chloromethane	< 5070	U, D	µg/kg	5070	1050	2500	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 2540	U, D	µg/kg	2540	631	2500	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 2540	U, D	µg/kg	2540	596	2500	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 5070	U, D	µg/kg	5070	3660	2500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 2540	U, D	µg/kg	2540	1720	2500	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 2540	U, D	µg/kg	2540	1700	2500	"	"	"	"	"	X
74-95-3	Dibromomethane	< 2540	U, D	µg/kg	2540	1320	2500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2540	U, D	µg/kg	2540	659	2500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 2540	U, D	µg/kg	2540	550	2500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2540	U, D	µg/kg	2540	751	2500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 5070	U, D	µg/kg	5070	961	2500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 2540	U, D	µg/kg	2540	664	2500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 2540	U, D	µg/kg	2540	908	2500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 2540	U, D	µg/kg	2540	1330	2500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2540	U, D	µg/kg	2540	941	2500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 2540	U, D	µg/kg	2540	1340	2500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 2540	U, D	µg/kg	2540	1330	2500	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 2540	U, D	µg/kg	2540	1310	2500	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 2540	U, D	µg/kg	2540	1200	2500	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 2540	U, D	µg/kg	2540	816	2500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 2540	U, D	µg/kg	2540	1530	2500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2540	U, D	µg/kg	2540	1330	2500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
						Initial weight: 14.79 g							
100-41-4	Ethylbenzene	< 2540	U, D	µg/kg	2540	365	2500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 2540	U, D	µg/kg	2540	1270	2500	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 5070	U, D	µg/kg	5070	3110	2500	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 2540	U, D	µg/kg	2540	499	2500	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 2540	U, D	µg/kg	2540	545	2500	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2540	U, D	µg/kg	2540	933	2500	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**8,640,000**	D, E	µg/kg	5070	1300	2500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 5070	U, D	µg/kg	5070	1010	2500	"	"	"	"	"	X
91-20-3	Naphthalene	< 2540	U, D	µg/kg	2540	1510	2500	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 2540	U, D	µg/kg	2540	411	2500	"	"	"	"	"	X
100-42-5	Styrene	< 2540	U, D	µg/kg	2540	510	2500	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 2540	U, D	µg/kg	2540	2160	2500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2540	U, D	µg/kg	2540	2150	2500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2540	U, D	µg/kg	2540	867	2500	"	"	"	"	"	X
108-88-3	Toluene	**241,000**	D	µg/kg	2540	822	2500	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 2540	U, D	µg/kg	2540	890	2500	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 2540	U, D	µg/kg	2540	1870	2500	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 2540	U, D	µg/kg	2540	796	2500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 2540	U, D	µg/kg	2540	842	2500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 2540	U, D	µg/kg	2540	1840	2500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 2540	U, D	µg/kg	2540	692	2500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 2540	U, D	µg/kg	2540	1370	2500	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 2540	U, D	µg/kg	2540	1900	2500	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 2540	U, D	µg/kg	2540	616	2500	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 2540	U, D	µg/kg	2540	436	2500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 2540	U, D	µg/kg	2540	857	2500	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 5070	U, D	µg/kg	5070	456	2500	"	"	"	"	"	X
95-47-6	o-Xylene	< 2540	U, D	µg/kg	2540	710	2500	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 5070	U, D	µg/kg	5070	4000	2500	"	"	"	"	"	
60-29-7	Ethyl ether	< 2540	U, D	µg/kg	2540	2300	2500	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 2540	U, D	µg/kg	2540	847	2500	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 2540	U, D	µg/kg	2540	1370	2500	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 2540	U, D	µg/kg	2540	472	2500	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 25400	U, D	µg/kg	25400	16600	2500	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50700	U, D	µg/kg	50700	44000	2500	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 12700	U, D	µg/kg	12700	5790	2500	"	"	"	"	"	X
64-17-5	Ethanol	**151,000,000**	D, E	µg/kg	507000	94600	2500	"	"	"	"	"	
79-20-9	Methyl acetate	**1,070,000**	NonTR G TIC, D, E	µg/kg	12700	2390	2500	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*86*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*116*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
							Initial weight: 14.79 g						
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*			SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	
1868-53-7	*Dibromofluoromethane*	*115*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.79 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 203000	U, D	µg/kg	203000	103000	200000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
67-64-1	Acetone	< 2030000	U, D	µg/kg	2030000	811000	200000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 203000	U, D	µg/kg	203000	195000	200000	"	"	"	"	"	X
71-43-2	Benzene	< 203000	U, D	µg/kg	203000	53800	200000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 203000	U, D	µg/kg	203000	54200	200000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 203000	U, D	µg/kg	203000	102000	200000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 203000	U, D	µg/kg	203000	135000	200000	"	"	"	"	"	X
75-25-2	Bromoform	< 203000	U, D	µg/kg	203000	194000	200000	"	"	"	"	"	X
74-83-9	Bromomethane	< 406000	U, D	µg/kg	406000	183000	200000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 406000	U, D	µg/kg	406000	363000	200000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 203000	U, D	µg/kg	203000	58000	200000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 203000	U, D	µg/kg	203000	36900	200000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 203000	U, D	µg/kg	203000	45400	200000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 406000	U, D	µg/kg	406000	130000	200000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 203000	U, D	µg/kg	203000	166000	200000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 203000	U, D	µg/kg	203000	63500	200000	"	"	"	"	"	X
75-00-3	Chloroethane	< 406000	U, D	µg/kg	406000	113000	200000	"	"	"	"	"	X
67-66-3	Chloroform	< 203000	U, D	µg/kg	203000	109000	200000	"	"	"	"	"	X
74-87-3	Chloromethane	< 406000	U, D	µg/kg	406000	83800	200000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 203000	U, D	µg/kg	203000	50500	200000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 203000	U, D	µg/kg	203000	47700	200000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 406000	U, D	µg/kg	406000	293000	200000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 203000	U, D	µg/kg	203000	138000	200000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 203000	U, D	µg/kg	203000	136000	200000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 203000	U, D	µg/kg	203000	105000	200000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 203000	U, D	µg/kg	203000	52700	200000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 203000	U, D	µg/kg	203000	44000	200000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 203000	U, D	µg/kg	203000	60000	200000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 406000	U, D	µg/kg	406000	76900	200000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 203000	U, D	µg/kg	203000	53100	200000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 203000	U, D	µg/kg	203000	72600	200000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 203000	U, D	µg/kg	203000	106000	200000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 203000	U, D	µg/kg	203000	75300	200000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 203000	U, D	µg/kg	203000	108000	200000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 203000	U, D	µg/kg	203000	106000	200000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 203000	U, D	µg/kg	203000	105000	200000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 203000	U, D	µg/kg	203000	95700	200000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 203000	U, D	µg/kg	203000	65300	200000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
						Initial weight: 14.79 g							
10061-01-5	cis-1,3-Dichloropropene	< 203000	U, D	µg/kg	203000	122000	200000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
10061-02-6	trans-1,3-Dichloropropene	< 203000	U, D	µg/kg	203000	106000	200000	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 203000	U, D	µg/kg	203000	29200	200000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 203000	U, D	µg/kg	203000	102000	200000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 406000	U, D	µg/kg	406000	249000	200000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 203000	U, D	µg/kg	203000	40000	200000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 203000	U, D	µg/kg	203000	43600	200000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 203000	U, D	µg/kg	203000	74600	200000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**12,500,000**	D	µg/kg	406000	104000	200000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 406000	U, D	µg/kg	406000	80500	200000	"	"	"	"	"	X
91-20-3	Naphthalene	< 203000	U, D	µg/kg	203000	121000	200000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 203000	U, D	µg/kg	203000	32900	200000	"	"	"	"	"	X
100-42-5	Styrene	< 203000	U, D	µg/kg	203000	40800	200000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 203000	U, D	µg/kg	203000	172000	200000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 203000	U, D	µg/kg	203000	172000	200000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 203000	U, D	µg/kg	203000	69400	200000	"	"	"	"	"	X
108-88-3	Toluene	**444,000**	D	µg/kg	203000	65700	200000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 203000	U, D	µg/kg	203000	71200	200000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 203000	U, D	µg/kg	203000	149000	200000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 203000	U, D	µg/kg	203000	63700	200000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 203000	U, D	µg/kg	203000	67300	200000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 203000	U, D	µg/kg	203000	147000	200000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 203000	U, D	µg/kg	203000	55400	200000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 203000	U, D	µg/kg	203000	109000	200000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 203000	U, D	µg/kg	203000	152000	200000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 203000	U, D	µg/kg	203000	49300	200000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 203000	U, D	µg/kg	203000	34900	200000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 203000	U, D	µg/kg	203000	68600	200000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 406000	U, D	µg/kg	406000	36500	200000	"	"	"	"	"	X
95-47-6	o-Xylene	< 203000	U, D	µg/kg	203000	56800	200000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 406000	U, D	µg/kg	406000	320000	200000	"	"	"	"	"	
60-29-7	Ethyl ether	< 203000	U, D	µg/kg	203000	184000	200000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 203000	U, D	µg/kg	203000	67700	200000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 203000	U, D	µg/kg	203000	109000	200000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 203000	U, D	µg/kg	203000	37700	200000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 2030000	U, D	µg/kg	2030000	1330000	200000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 4060000	U, D	µg/kg	4060000	3520000	200000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 1010000	U, D	µg/kg	1010000	463000	200000	"	"	"	"	"	X
64-17-5	Ethanol	**548,000,000**	D, E	µg/kg	40600000	7570000	200000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*77*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
							Initial weight: 14.79 g						
17060-07-0	*1,2-Dichloroethane-d4*	*121*			*70-130 %*			SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	
1868-53-7	*Dibromofluoromethane*	*120*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.79 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 507000	U, D	µg/kg	507000	257000	500000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
67-64-1	Acetone	< 5070000	U, D	µg/kg	5070000	2030000	500000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 507000	U, D	µg/kg	507000	487000	500000	"	"	"	"	"	X
71-43-2	Benzene	< 507000	U, D	µg/kg	507000	134000	500000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 507000	U, D	µg/kg	507000	135000	500000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 507000	U, D	µg/kg	507000	256000	500000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 507000	U, D	µg/kg	507000	338000	500000	"	"	"	"	"	X
75-25-2	Bromoform	< 507000	U, D	µg/kg	507000	484000	500000	"	"	"	"	"	X
74-83-9	Bromomethane	< 1010000	U, D	µg/kg	1010000	458000	500000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1010000	U, D	µg/kg	1010000	907000	500000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 507000	U, D	µg/kg	507000	145000	500000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 507000	U, D	µg/kg	507000	92300	500000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 507000	U, D	µg/kg	507000	114000	500000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1010000	U, D	µg/kg	1010000	325000	500000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 507000	U, D	µg/kg	507000	415000	500000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 507000	U, D	µg/kg	507000	159000	500000	"	"	"	"	"	X
75-00-3	Chloroethane	< 1010000	U, D	µg/kg	1010000	281000	500000	"	"	"	"	"	X
67-66-3	Chloroform	< 507000	U, D	µg/kg	507000	272000	500000	"	"	"	"	"	X
74-87-3	Chloromethane	< 1010000	U, D	µg/kg	1010000	209000	500000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 507000	U, D	µg/kg	507000	126000	500000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 507000	U, D	µg/kg	507000	119000	500000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1010000	U, D	µg/kg	1010000	733000	500000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 507000	U, D	µg/kg	507000	344000	500000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 507000	U, D	µg/kg	507000	340000	500000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 507000	U, D	µg/kg	507000	264000	500000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 507000	U, D	µg/kg	507000	132000	500000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 507000	U, D	µg/kg	507000	110000	500000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 507000	U, D	µg/kg	507000	150000	500000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1010000	U, D	µg/kg	1010000	192000	500000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 507000	U, D	µg/kg	507000	133000	500000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 507000	U, D	µg/kg	507000	182000	500000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 507000	U, D	µg/kg	507000	265000	500000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 507000	U, D	µg/kg	507000	188000	500000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 507000	U, D	µg/kg	507000	269000	500000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 507000	U, D	µg/kg	507000	266000	500000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 507000	U, D	µg/kg	507000	263000	500000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 507000	U, D	µg/kg	507000	239000	500000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
							Initial weight: 14.79 g						
563-58-6	1,1-Dichloropropene	< 507000	U, D	µg/kg	507000	163000	500000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
10061-01-5	cis-1,3-Dichloropropene	< 507000	U, D	µg/kg	507000	306000	500000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 507000	U, D	µg/kg	507000	266000	500000	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 507000	U, D	µg/kg	507000	73000	500000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 507000	U, D	µg/kg	507000	255000	500000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 1010000	U, D	µg/kg	1010000	622000	500000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 507000	U, D	µg/kg	507000	99900	500000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 507000	U, D	µg/kg	507000	109000	500000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 507000	U, D	µg/kg	507000	187000	500000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**4,710,000**	D	µg/kg	1010000	261000	500000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1010000	U, D	µg/kg	1010000	201000	500000	"	"	"	"	"	X
91-20-3	Naphthalene	< 507000	U, D	µg/kg	507000	302000	500000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 507000	U, D	µg/kg	507000	82200	500000	"	"	"	"	"	X
100-42-5	Styrene	< 507000	U, D	µg/kg	507000	102000	500000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 507000	U, D	µg/kg	507000	431000	500000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 507000	U, D	µg/kg	507000	429000	500000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 507000	U, D	µg/kg	507000	173000	500000	"	"	"	"	"	X
108-88-3	Toluene	**203,000**	J, D	µg/kg	507000	164000	500000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 507000	U, D	µg/kg	507000	178000	500000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 507000	U, D	µg/kg	507000	374000	500000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 507000	U, D	µg/kg	507000	159000	500000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 507000	U, D	µg/kg	507000	168000	500000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 507000	U, D	µg/kg	507000	368000	500000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 507000	U, D	µg/kg	507000	138000	500000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 507000	U, D	µg/kg	507000	273000	500000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 507000	U, D	µg/kg	507000	380000	500000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 507000	U, D	µg/kg	507000	123000	500000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 507000	U, D	µg/kg	507000	87200	500000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 507000	U, D	µg/kg	507000	171000	500000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1010000	U, D	µg/kg	1010000	91300	500000	"	"	"	"	"	X
95-47-6	o-Xylene	< 507000	U, D	µg/kg	507000	142000	500000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1010000	U, D	µg/kg	1010000	799000	500000	"	"	"	"	"	
60-29-7	Ethyl ether	< 507000	U, D	µg/kg	507000	459000	500000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 507000	U, D	µg/kg	507000	169000	500000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 507000	U, D	µg/kg	507000	273000	500000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 507000	U, D	µg/kg	507000	94300	500000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 5070000	U, D	µg/kg	5070000	3320000	500000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 10100000	U, D	µg/kg	10100000	8810000	500000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2540000	U, D	µg/kg	2540000	1160000	500000	"	"	"	"	"	X
64-17-5	Ethanol	**253,000,000**	D	µg/kg	101000000	18900000	500000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*77*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
							Initial weight: 14.79 g						
2037-26-5	*Toluene-d8*	*110*			*70-130 %*			SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	
17060-07-0	*1,2-Dichloroethane-d4*	*125*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*123*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.79 g						
67-63-0	Isopropyl alcohol	**2,550,000**	J N, D	µg/kg			2500	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
107-83-5	Pentane, 2-methyl-	**245,000**	J N, D	µg/kg			2500	"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 19100	U	µg/kg	19100	9500	1	SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 19100	U	µg/kg	19100	9420	1	"	"	"	"	"	X
62-53-3	Aniline	< 94400	U	µg/kg	94400	6780	1	"	"	"	"	"	X
120-12-7	Anthracene	< 19100	U	µg/kg	19100	9130	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 94400	U	µg/kg	94400	9290	1	"	"	"	"	"	
92-87-5	Benzidine	< 94400	U	µg/kg	94400	19000	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 19100	U	µg/kg	19100	10100	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 19100	U	µg/kg	19100	7110	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 19100	U	µg/kg	19100	9240	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 19100	U	µg/kg	19100	7670	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 19100	U	µg/kg	19100	7470	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 94400	U	µg/kg	94400	19800	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 94400	U	µg/kg	94400	7730	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 94400	U	µg/kg	94400	8390	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 47800	U	µg/kg	47800	6850	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 47800	U	µg/kg	47800	7360	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 47800	U	µg/kg	47800	11800	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 94400	U	µg/kg	94400	8850	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 94400	U	µg/kg	94400	11000	1	"	"	"	"	"	X
86-74-8	Carbazole	< 47800	U	µg/kg	47800	26700	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 94400	U	µg/kg	94400	9020	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 47800	U	µg/kg	47800	10300	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 94400	U	µg/kg	94400	8730	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 47800	U	µg/kg	47800	8500	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 94400	U	µg/kg	94400	11200	1	"	"	"	"	"	X
218-01-9	Chrysene	< 19100	U	µg/kg	19100	9530	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 19100	U	µg/kg	19100	7330	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 47800	U	µg/kg	47800	7270	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 94400	U	µg/kg	94400	8240	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 94400	U	µg/kg	94400	8240	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 94400	U	µg/kg	94400	8760	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
91-94-1	3,3´-Dichlorobenzidine	< 94400	U	µg/kg	94400	14400	1	SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	X
120-83-2	2,4-Dichlorophenol	< 47800	U	µg/kg	47800	8940	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 94400	U	µg/kg	94400	11700	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 94400	U	µg/kg	94400	10300	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 94400	U	µg/kg	94400	6750	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 94400	U	µg/kg	94400	10000	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 94400	U	µg/kg	94400	12100	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 94400	U	µg/kg	94400	9620	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 47800	U	µg/kg	47800	18500	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 47800	U	µg/kg	47800	10800	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 94400	U	µg/kg	94400	10700	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 19100	U	µg/kg	19100	10100	1	"	"	"	"	"	X
86-73-7	Fluorene	< 19100	U	µg/kg	19100	9700	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 47800	U	µg/kg	47800	9410	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 47800	U	µg/kg	47800	11400	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 47800	U	µg/kg	47800	6500	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 47800	U	µg/kg	47800	10300	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 19100	U	µg/kg	19100	6870	1	"	"	"	"	"	X
78-59-1	Isophorone	< 47800	U	µg/kg	47800	8960	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 19100	U	µg/kg	19100	11500	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 94400	U	µg/kg	94400	8030	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 94400	U	µg/kg	94400	9130	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 19100	U	µg/kg	19100	8900	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 94400	U	µg/kg	94400	8010	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 94400	U	µg/kg	94400	12900	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 47800	U	µg/kg	47800	14700	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 47800	U	µg/kg	47800	8700	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 47800	U	µg/kg	47800	7930	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 378000	U	µg/kg	378000	15300	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 47800	U	µg/kg	47800	8870	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 47800	U	µg/kg	47800	9310	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 94400	U	µg/kg	94400	10200	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 94400	U	µg/kg	94400	10100	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 19100	U	µg/kg	19100	8880	1	"	"	"	"	"	X
108-95-2	Phenol	< 94400	U	µg/kg	94400	6220	1	"	"	"	"	"	X
129-00-0	Pyrene	< 19100	U	µg/kg	19100	10600	1	"	"	"	"	"	X
110-86-1	Pyridine	< 94400	U	µg/kg	94400	14100	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 94400	U	µg/kg	94400	9360	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 19100	U	µg/kg	19100	9390	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 94400	U	µg/kg	94400	8500	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 47800	U	µg/kg	47800	8530	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 94400	U	µg/kg	94400	14900	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 94400	U	µg/kg	94400	9160	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable SC38763-02	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*71*			*30-130 %*			SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	
367-12-4	*2-Fluorophenol*	*72*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*82*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*70*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*117*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds													
108-10-1	Methyl isobutyl ketone	**3,620,000**	J N	µg/l			1	SW846 8270D TICS	"	"	MSL	"	
000128-39-2	Phenol, 2,6-bis(1,1-dimethy...	**154,000**	J N	µg/l			1	"	"	"	"	"	
108-88-3	Toluene	**224,000**	J N	µg/l			1	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 164	U	µg/kg	164	73.6	1	SW846 8082A	08-Sep-17	08-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 164	U	µg/kg	164	87.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 164	U	µg/kg	164	82.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 164	U	µg/kg	164	162	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 164	U	µg/kg	164	150	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 164	U	µg/kg	164	107	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 164	U	µg/kg	164	88.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 164	U	µg/kg	164	143	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 164	U	µg/kg	164	74.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*57*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 82.1	U	µg/kg	82.1	22.0	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 82.1	U	µg/kg	82.1	32.5	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 82.1	U	µg/kg	82.1	23.7	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 49.3	U	µg/kg	49.3	23.7	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 82.1	U	µg/kg	82.1	27.4	1	"	"	"	"	"	X
309-00-2	Aldrin	< 82.1	U	µg/kg	82.1	25.3	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 82.1	U	µg/kg	82.1	29.1	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 82.1	U	µg/kg	82.1	28.9	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 82.1	U	µg/kg	82.1	28.9	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 82.1	U	µg/kg	82.1	26.0	1	"	"	"	"	"	X
72-20-8	Endrin	< 131	U	µg/kg	131	28.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17
SC38763-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
33213-65-9	Endosulfan II	< 131	U	µg/kg	131	30.9	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
72-54-8	4,4'-DDD (p,p')	< 131	U	µg/kg	131	28.6	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 131	U	µg/kg	131	27.4	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 131	U	µg/kg	131	25.3	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 131	U	µg/kg	131	29.1	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 131	U	µg/kg	131	29.6	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 131	U	µg/kg	131	27.4	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 82.1	U	µg/kg	82.1	28.1	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 82.1	U	µg/kg	82.1	29.6	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1640	U	µg/kg	1640	355	1	"	"	"	"	"	X
57-74-9	Chlordane	< 329	U	µg/kg	329	325	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 82.1	U	µg/kg	82.1	40.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*104*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**1,020,000**		mg/kg	80.0	40.8	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 7.22	U	mg/kg	7.22	0.780	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	**6.28**	R06, J	mg/kg	26.5	5.46	1	"	"	"	"	"	X
7440-38-2	Arsenic	**5.75**	J	mg/kg	7.22	0.915	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.81	U	mg/kg	4.81	0.568	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.41	U	mg/kg	2.41	0.121	1	"	"	"	"	"	X
7440-70-2	Calcium	< 120	U	mg/kg	120	24.7	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.41	U	mg/kg	2.41	0.125	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.81	U	mg/kg	4.81	0.279	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.81	U	mg/kg	4.81	0.640	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.81	U	mg/kg	4.81	1.16	1	"	"	"	"	"	X
7439-89-6	Iron	**19.8**	R06, J	mg/kg	195	9.92	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0262	U	mg/kg	0.0262	0.0073	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**124**	J	mg/kg	241	16.8	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 24.1	U	mg/kg	24.1	6.93	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.81	U	mg/kg	4.81	1.23	1	"	"	"	"	"	X
7440-23-5	Sodium	**678**	R06, J	mg/kg	2240	51.8	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.81	U	mg/kg	4.81	0.554	1	"	"	"	"	"	X
7439-92-1	Lead	< 7.22	U	mg/kg	7.22	1.02	1	"	"	"	"	"	X
7440-36-0	Antimony	**1.97**	J	mg/kg	24.1	1.81	1	"	"	"	"	"	X
7782-49-2	Selenium	**3.08**	J	mg/kg	7.22	1.38	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Flammable SC38763-02	14800.0039	Liquid	30-Aug-17 13:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-28-0	Thallium	< 14.4	U	mg/kg	14.4	5.31	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7440-62-2	Vanadium	< 7.22	U	mg/kg	7.22	1.28	1	"	"	"	"	"	X
7440-66-6	Zinc	< 5.06	R06, U	mg/kg	5.06	3.73	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**181,000**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**105**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**5.41**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 16:51	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses Prepared by method 400665-										Methylation date: 08-Sep-17			
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50		ug/L	50	50	10	SW8151A	08-Sep-17	11-Sep-17 14:42	CT007	400665A	
93-72-1	2,4,5-TP (Silvex)	< 50		ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100		ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50		ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 50		ug/L	50	50	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100		ug/L	100	100	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100		ug/L	100	100	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*61*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**0.31**		% by Volume		0.10	1	SW846 9000	"	07-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 1	14800.0039	Liquid	30-Aug-17 15:30	01-Sep-17
SC38763-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R01										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 15 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 500	U, D	µg/kg	500	254	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	**2,720**	J, D	µg/kg	5000	2000	500	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 500	U, D	µg/kg	500	480	500	"	"	"	"	"	X
71-43-2	Benzene	< 500	U, D	µg/kg	500	132	500	"	"	"	"	"	X
108-86-1	Bromobenzene	< 500	U, D	µg/kg	500	134	500	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 500	U, D	µg/kg	500	252	500	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 500	U, D	µg/kg	500	334	500	"	"	"	"	"	X
75-25-2	Bromoform	< 500	U, D	µg/kg	500	477	500	"	"	"	"	"	X
74-83-9	Bromomethane	< 1000	U, D	µg/kg	1000	452	500	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1000	U, D	µg/kg	1000	894	500	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 500	U, D	µg/kg	500	143	500	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 500	U, D	µg/kg	500	91.0	500	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 500	U, D	µg/kg	500	112	500	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1000	U, D	µg/kg	1000	320	500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 500	U, D	µg/kg	500	409	500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 500	U, D	µg/kg	500	156	500	"	"	"	"	"	X
75-00-3	Chloroethane	< 1000	U, D	µg/kg	1000	278	500	"	"	"	"	"	X
67-66-3	Chloroform	< 500	U, D	µg/kg	500	268	500	"	"	"	"	"	X
74-87-3	Chloromethane	< 1000	U, D	µg/kg	1000	206	500	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 500	U, D	µg/kg	500	124	500	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 500	U, D	µg/kg	500	118	500	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1000	U, D	µg/kg	1000	722	500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 500	U, D	µg/kg	500	339	500	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 500	U, D	µg/kg	500	336	500	"	"	"	"	"	X
74-95-3	Dibromomethane	< 500	U, D	µg/kg	500	260	500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 500	U, D	µg/kg	500	130	500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 500	U, D	µg/kg	500	108	500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 500	U, D	µg/kg	500	148	500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1000	U, D	µg/kg	1000	190	500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 500	U, D	µg/kg	500	131	500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 500	U, D	µg/kg	500	179	500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 500	U, D	µg/kg	500	262	500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 500	U, D	µg/kg	500	186	500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 500	U, D	µg/kg	500	265	500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 500	U, D	µg/kg	500	262	500	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 500	U, D	µg/kg	500	259	500	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 500	U, D	µg/kg	500	236	500	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 500	U, D	µg/kg	500	161	500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 500	U, D	µg/kg	500	302	500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 500	U, D	µg/kg	500	262	500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 1	14800.0039	Liquid	30-Aug-17 15:30	01-Sep-17
SC38763-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R01										
						Initial weight: 15 g							
100-41-4	Ethylbenzene	< 500	U, D	µg/kg	500	72.0	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 500	U, D	µg/kg	500	251	500	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 1000	U, D	µg/kg	1000	614	500	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 500	U, D	µg/kg	500	98.5	500	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 500	U, D	µg/kg	500	108	500	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 500	U, D	µg/kg	500	184	500	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 3000	U, D	µg/kg	3000	3000	500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1000	U, D	µg/kg	1000	198	500	"	"	"	"	"	X
91-20-3	Naphthalene	< 500	U, D	µg/kg	500	298	500	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 500	U, D	µg/kg	500	81.0	500	"	"	"	"	"	X
100-42-5	Styrene	< 500	U, D	µg/kg	500	100	500	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 500	U, D	µg/kg	500	425	500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 500	U, D	µg/kg	500	423	500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 500	U, D	µg/kg	500	171	500	"	"	"	"	"	X
108-88-3	Toluene	< 500	U, D	µg/kg	500	162	500	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 500	U, D	µg/kg	500	176	500	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 500	U, D	µg/kg	500	368	500	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 500	U, D	µg/kg	500	157	500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 500	U, D	µg/kg	500	166	500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 500	U, D	µg/kg	500	362	500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 500	U, D	µg/kg	500	136	500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 500	U, D	µg/kg	500	270	500	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 500	U, D	µg/kg	500	375	500	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 500	U, D	µg/kg	500	122	500	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 500	U, D	µg/kg	500	86.0	500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 500	U, D	µg/kg	500	169	500	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1000	U, D	µg/kg	1000	90.0	500	"	"	"	"	"	X
95-47-6	o-Xylene	< 500	U, D	µg/kg	500	140	500	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1000	U, D	µg/kg	1000	788	500	"	"	"	"	"	
60-29-7	Ethyl ether	< 500	U, D	µg/kg	500	453	500	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 500	U, D	µg/kg	500	167	500	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 500	U, D	µg/kg	500	270	500	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 500	U, D	µg/kg	500	93.0	500	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 5000	U, D	µg/kg	5000	3270	500	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 10000	U, D	µg/kg	10000	8680	500	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2500	U, D	µg/kg	2500	1140	500	"	"	"	"	"	X
64-17-5	Ethanol	< 100000	U, D	µg/kg	100000	18600	500	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*111*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 1	14800.0039	Liquid	30-Aug-17 15:30	01-Sep-17
SC38763-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
							Initial weight: 15 g						
	Tentatively Identified Compounds	None found		µg/kg			500	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 13900	U	µg/kg	13900	6920	1	SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 13900	U	µg/kg	13900	6850	1	"	"	"	"	"	X
62-53-3	Aniline	< 68700	U	µg/kg	68700	4940	1	"	"	"	"	"	X
120-12-7	Anthracene	< 13900	U	µg/kg	13900	6650	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 68700	U	µg/kg	68700	6760	1	"	"	"	"	"	
92-87-5	Benzidine	< 68700	U	µg/kg	68700	13800	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 13900	U	µg/kg	13900	7330	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 13900	U	µg/kg	13900	5170	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 13900	U	µg/kg	13900	6730	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 13900	U	µg/kg	13900	5580	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 13900	U	µg/kg	13900	5440	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 68700	U	µg/kg	68700	14400	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 68700	U	µg/kg	68700	5630	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 68700	U	µg/kg	68700	6100	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 34800	U	µg/kg	34800	4980	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 34800	U	µg/kg	34800	5350	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 34800	U	µg/kg	34800	8580	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 68700	U	µg/kg	68700	6440	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 68700	U	µg/kg	68700	8020	1	"	"	"	"	"	X
86-74-8	Carbazole	< 34800	U	µg/kg	34800	19400	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 68700	U	µg/kg	68700	6560	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 34800	U	µg/kg	34800	7520	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 68700	U	µg/kg	68700	6350	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 34800	U	µg/kg	34800	6190	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 68700	U	µg/kg	68700	8170	1	"	"	"	"	"	X
218-01-9	Chrysene	< 13900	U	µg/kg	13900	6940	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 13900	U	µg/kg	13900	5330	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 34800	U	µg/kg	34800	5290	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 68700	U	µg/kg	68700	6000	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 68700	U	µg/kg	68700	6000	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 68700	U	µg/kg	68700	6370	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 68700	U	µg/kg	68700	10500	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 34800	U	µg/kg	34800	6500	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 68700	U	µg/kg	68700	8500	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 68700	U	µg/kg	68700	7520	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 68700	U	µg/kg	68700	4920	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 68700	U	µg/kg	68700	7290	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 1	14800.0039	Liquid	30-Aug-17 15:30	01-Sep-17
SC38763-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 68700	U	µg/kg	68700	8830	1	SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 68700	U	µg/kg	68700	7000	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 34800	U	µg/kg	34800	13500	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 34800	U	µg/kg	34800	7830	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 68700	U	µg/kg	68700	7770	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 13900	U	µg/kg	13900	7340	1	"	"	"	"	"	X
86-73-7	Fluorene	< 13900	U	µg/kg	13900	7060	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 34800	U	µg/kg	34800	6850	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 34800	U	µg/kg	34800	8310	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 34800	U	µg/kg	34800	4730	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 34800	U	µg/kg	34800	7500	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 13900	U	µg/kg	13900	5000	1	"	"	"	"	"	X
78-59-1	Isophorone	< 34800	U	µg/kg	34800	6520	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 13900	U	µg/kg	13900	8400	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 68700	U	µg/kg	68700	5840	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 68700	U	µg/kg	68700	6650	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 13900	U	µg/kg	13900	6480	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 68700	U	µg/kg	68700	5830	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 68700	U	µg/kg	68700	9400	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 34800	U	µg/kg	34800	10700	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 34800	U	µg/kg	34800	6330	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 34800	U	µg/kg	34800	5770	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 275000	U	µg/kg	275000	11100	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 34800	U	µg/kg	34800	6460	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 34800	U	µg/kg	34800	6770	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 68700	U	µg/kg	68700	7460	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 68700	U	µg/kg	68700	7350	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 13900	U	µg/kg	13900	6470	1	"	"	"	"	"	X
108-95-2	Phenol	< 68700	U	µg/kg	68700	4520	1	"	"	"	"	"	X
129-00-0	Pyrene	< 13900	U	µg/kg	13900	7750	1	"	"	"	"	"	X
110-86-1	Pyridine	< 68700	U	µg/kg	68700	10200	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 68700	U	µg/kg	68700	6810	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 13900	U	µg/kg	13900	6830	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 68700	U	µg/kg	68700	6190	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 34800	U	µg/kg	34800	6210	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 68700	U	µg/kg	68700	10900	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 68700	U	µg/kg	68700	6670	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*69*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*64*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 1	14800.0039	Liquid	30-Aug-17 15:30	01-Sep-17
SC38763-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*	*89*			*30-130 %*			SW846 8270D	08-Sep-17	12-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 167	U	µg/kg	167	74.9	1	SW846 8082A	08-Sep-17	08-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 167	U	µg/kg	167	89.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 167	U	µg/kg	167	83.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 167	U	µg/kg	167	165	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 167	U	µg/kg	167	153	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 167	U	µg/kg	167	109	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 167	U	µg/kg	167	89.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 167	U	µg/kg	167	146	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 167	U	µg/kg	167	75.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 83.6	U	µg/kg	83.6	22.4	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 83.6	U	µg/kg	83.6	33.1	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 83.6	U	µg/kg	83.6	24.1	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 50.2	U	µg/kg	50.2	24.1	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 83.6	U	µg/kg	83.6	27.9	1	"	"	"	"	"	X
309-00-2	Aldrin	< 83.6	U	µg/kg	83.6	25.8	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 83.6	U	µg/kg	83.6	29.6	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 83.6	U	µg/kg	83.6	29.4	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 83.6	U	µg/kg	83.6	29.4	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 83.6	U	µg/kg	83.6	26.4	1	"	"	"	"	"	X
72-20-8	Endrin	< 134	U	µg/kg	134	29.4	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 134	U	µg/kg	134	31.4	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 134	U	µg/kg	134	29.1	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 134	U	µg/kg	134	27.9	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 134	U	µg/kg	134	25.8	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 134	U	µg/kg	134	29.6	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 134	U	µg/kg	134	30.1	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 134	U	µg/kg	134	27.9	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 83.6	U	µg/kg	83.6	28.6	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 83.6	U	µg/kg	83.6	30.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 1	14800.0039	Liquid	30-Aug-17 15:30	01-Sep-17
SC38763-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
8001-35-2	Toxaphene	< 1670	U	µg/kg	1670	362	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
57-74-9	Chlordane	< 335	U	µg/kg	335	331	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 83.6	U	µg/kg	83.6	41.0	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**254,000**		mg/kg	80.0	40.8	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.45	U	mg/kg	6.45	0.697	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	**15.4**	R06, J	mg/kg	23.7	4.88	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.45	U	mg/kg	6.45	0.818	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.30	U	mg/kg	4.30	0.508	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.15	U	mg/kg	2.15	0.108	1	"	"	"	"	"	X
7440-70-2	Calcium	< 108	U	mg/kg	108	22.0	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.15	U	mg/kg	2.15	0.111	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.30	U	mg/kg	4.30	0.249	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.30	U	mg/kg	4.30	0.572	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.30	U	mg/kg	4.30	1.03	1	"	"	"	"	"	X
7439-89-6	Iron	**39.9**	R06, J	mg/kg	174	8.86	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0262	U	mg/kg	0.0262	0.0073	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**331**		mg/kg	215	15.0	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	**6.67**	J	mg/kg	21.5	6.20	1	"	"	"	"	"	X
7439-96-5	Manganese	**2.07**	J	mg/kg	4.30	1.10	1	"	"	"	"	"	X
7440-23-5	Sodium	**14,700**	R06	mg/kg	2000	46.3	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.30	U	mg/kg	4.30	0.495	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.45	U	mg/kg	6.45	0.912	1	"	"	"	"	"	X
7440-36-0	Antimony	< 21.5	U	mg/kg	21.5	1.62	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.45	U	mg/kg	6.45	1.23	1	"	"	"	"	"	X
7440-28-0	Thallium	< 12.9	U	mg/kg	12.9	4.75	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.45	U	mg/kg	6.45	1.14	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.52	R06, U	mg/kg	4.52	3.33	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**184,000**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**9.21**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 16:54	BD	1715033	X
Reactivity Cyanide/Sulfide													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 1 SC38763-03	14800.0039	Liquid	30-Aug-17 15:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Toxicity Characteristics													
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 400336-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50		ug/L	50	50	10	SW8151A	06-Sep-17	08-Sep-17 12:51	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 50		ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100		ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50		ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 50		ug/L	50	50	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100		ug/L	100	100	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100		ug/L	100	100	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*BRL*	Q1		*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Total Organic Halides	**See Report**		mg/L			1	EPA 9020		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**86.6**		% by Volume		0.10	1	SW846 9000	"	07-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 2	14800.0039	Liquid	30-Aug-17 14:45	01-Sep-17
SC38763-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 15.12 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4960	U, D	µg/kg	4960	2510	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 49600	U, D	µg/kg	49600	19800	5000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4960	U, D	µg/kg	4960	4770	5000	"	"	"	"	"	X
71-43-2	Benzene	< 4960	U, D	µg/kg	4960	1310	5000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4960	U, D	µg/kg	4960	1320	5000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4960	U, D	µg/kg	4960	2500	5000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4960	U, D	µg/kg	4960	3310	5000	"	"	"	"	"	X
75-25-2	Bromoform	< 4960	U, D	µg/kg	4960	4730	5000	"	"	"	"	"	X
74-83-9	Bromomethane	< 9920	U, D	µg/kg	9920	4480	5000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 9920	U, D	µg/kg	9920	8870	5000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4960	U, D	µg/kg	4960	1420	5000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4960	U, D	µg/kg	4960	903	5000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4960	U, D	µg/kg	4960	1110	5000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9920	U, D	µg/kg	9920	3170	5000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4960	U, D	µg/kg	4960	4060	5000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4960	U, D	µg/kg	4960	1550	5000	"	"	"	"	"	X
75-00-3	Chloroethane	< 9920	U, D	µg/kg	9920	2750	5000	"	"	"	"	"	X
67-66-3	Chloroform	< 4960	U, D	µg/kg	4960	2660	5000	"	"	"	"	"	X
74-87-3	Chloromethane	< 9920	U, D	µg/kg	9920	2050	5000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4960	U, D	µg/kg	4960	1240	5000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4960	U, D	µg/kg	4960	1170	5000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9920	U, D	µg/kg	9920	7170	5000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4960	U, D	µg/kg	4960	3360	5000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4960	U, D	µg/kg	4960	3330	5000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4960	U, D	µg/kg	4960	2580	5000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4960	U, D	µg/kg	4960	1290	5000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4960	U, D	µg/kg	4960	1080	5000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4960	U, D	µg/kg	4960	1470	5000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9920	U, D	µg/kg	9920	1880	5000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4960	U, D	µg/kg	4960	1300	5000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4960	U, D	µg/kg	4960	1780	5000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4960	U, D	µg/kg	4960	2590	5000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4960	U, D	µg/kg	4960	1840	5000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4960	U, D	µg/kg	4960	2630	5000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4960	U, D	µg/kg	4960	2600	5000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4960	U, D	µg/kg	4960	2570	5000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4960	U, D	µg/kg	4960	2340	5000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4960	U, D	µg/kg	4960	1600	5000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4960	U, D	µg/kg	4960	2990	5000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4960	U, D	µg/kg	4960	2600	5000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 2	14800.0039	Liquid	30-Aug-17 14:45	01-Sep-17
SC38763-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R04										
						Initial weight: 15.12 g							
100-41-4	Ethylbenzene	< 4960	U, D	µg/kg	4960	714	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 4960	U, D	µg/kg	4960	2490	5000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 9920	U, D	µg/kg	9920	6090	5000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 4960	U, D	µg/kg	4960	977	5000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4960	U, D	µg/kg	4960	1070	5000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4960	U, D	µg/kg	4960	1830	5000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 9920	U, D	µg/kg	9920	2550	5000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9920	U, D	µg/kg	9920	1970	5000	"	"	"	"	"	X
91-20-3	Naphthalene	< 4960	U, D	µg/kg	4960	2950	5000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4960	U, D	µg/kg	4960	804	5000	"	"	"	"	"	X
100-42-5	Styrene	< 4960	U, D	µg/kg	4960	997	5000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4960	U, D	µg/kg	4960	4220	5000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4960	U, D	µg/kg	4960	4200	5000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4960	U, D	µg/kg	4960	1700	5000	"	"	"	"	"	X
108-88-3	Toluene	< 4960	U, D	µg/kg	4960	1610	5000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4960	U, D	µg/kg	4960	1740	5000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4960	U, D	µg/kg	4960	3660	5000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4960	U, D	µg/kg	4960	1560	5000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4960	U, D	µg/kg	4960	1650	5000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4960	U, D	µg/kg	4960	3600	5000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4960	U, D	µg/kg	4960	1350	5000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4960	U, D	µg/kg	4960	2670	5000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4960	U, D	µg/kg	4960	3720	5000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4960	U, D	µg/kg	4960	1210	5000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4960	U, D	µg/kg	4960	853	5000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4960	U, D	µg/kg	4960	1680	5000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9920	U, D	µg/kg	9920	893	5000	"	"	"	"	"	X
95-47-6	o-Xylene	< 4960	U, D	µg/kg	4960	1390	5000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9920	U, D	µg/kg	9920	7820	5000	"	"	"	"	"	
60-29-7	Ethyl ether	< 4960	U, D	µg/kg	4960	4490	5000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 4960	U, D	µg/kg	4960	1660	5000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4960	U, D	µg/kg	4960	2670	5000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4960	U, D	µg/kg	4960	923	5000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 49600	U, D	µg/kg	49600	32500	5000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 99200	U, D	µg/kg	99200	86200	5000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 24800	U, D	µg/kg	24800	11300	5000	"	"	"	"	"	X
64-17-5	Ethanol	< 992000	U, D	µg/kg	992000	185000	5000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*81*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 2	14800.0039	Liquid	30-Aug-17 14:45	01-Sep-17
SC38763-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
							Initial weight: 15.12 g						
	Tentatively Identified Compounds	None found		µg/kg			5000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 15600	U	µg/kg	15600	7770	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 15600	U	µg/kg	15600	7700	1	"	"	"	"	"	X
62-53-3	Aniline	< 77200	U	µg/kg	77200	5550	1	"	"	"	"	"	X
120-12-7	Anthracene	< 15600	U	µg/kg	15600	7460	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 77200	U	µg/kg	77200	7590	1	"	"	"	"	"	
92-87-5	Benzidine	343,000		µg/kg	77200	15500	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 15600	U	µg/kg	15600	8240	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 15600	U	µg/kg	15600	5810	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 15600	U	µg/kg	15600	7560	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 15600	U	µg/kg	15600	6270	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 15600	U	µg/kg	15600	6110	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 77200	U	µg/kg	77200	16200	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 77200	U	µg/kg	77200	6320	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 77200	U	µg/kg	77200	6860	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 39100	U	µg/kg	39100	5600	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 39100	U	µg/kg	39100	6010	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 39100	U	µg/kg	39100	9640	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 77200	U	µg/kg	77200	7230	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 77200	U	µg/kg	77200	9010	1	"	"	"	"	"	X
86-74-8	Carbazole	< 39100	U	µg/kg	39100	21800	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 77200	U	µg/kg	77200	7370	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 39100	U	µg/kg	39100	8450	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 77200	U	µg/kg	77200	7140	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 39100	U	µg/kg	39100	6950	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 77200	U	µg/kg	77200	9170	1	"	"	"	"	"	X
218-01-9	Chrysene	< 15600	U	µg/kg	15600	7790	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 15600	U	µg/kg	15600	5990	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 39100	U	µg/kg	39100	5940	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 77200	U	µg/kg	77200	6740	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 77200	U	µg/kg	77200	6740	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 77200	U	µg/kg	77200	7160	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 77200	U	µg/kg	77200	11700	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 39100	U	µg/kg	39100	7300	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 77200	U	µg/kg	77200	9550	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 77200	U	µg/kg	77200	8450	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 77200	U	µg/kg	77200	5520	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 77200	U	µg/kg	77200	8190	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 2	14800.0039	Liquid	30-Aug-17 14:45	01-Sep-17
SC38763-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 77200	U	µg/kg	77200	9910	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 77200	U	µg/kg	77200	7860	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 39100	U	µg/kg	39100	15100	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 39100	U	µg/kg	39100	8800	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 77200	U	µg/kg	77200	8720	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 15600	U	µg/kg	15600	8250	1	"	"	"	"	"	X
86-73-7	Fluorene	< 15600	U	µg/kg	15600	7930	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 39100	U	µg/kg	39100	7690	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 39100	U	µg/kg	39100	9340	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 39100	U	µg/kg	39100	5310	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 39100	U	µg/kg	39100	8420	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 15600	U	µg/kg	15600	5620	1	"	"	"	"	"	X
78-59-1	Isophorone	< 39100	U	µg/kg	39100	7320	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 15600	U	µg/kg	15600	9430	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 77200	U	µg/kg	77200	6560	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 77200	U	µg/kg	77200	7460	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 15600	U	µg/kg	15600	7280	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 77200	U	µg/kg	77200	6550	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 77200	U	µg/kg	77200	10600	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 39100	U	µg/kg	39100	12000	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 39100	U	µg/kg	39100	7110	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 39100	U	µg/kg	39100	6480	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 309000	U	µg/kg	309000	12500	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 39100	U	µg/kg	39100	7250	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 39100	U	µg/kg	39100	7610	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 77200	U	µg/kg	77200	8370	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 77200	U	µg/kg	77200	8250	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 15600	U	µg/kg	15600	7260	1	"	"	"	"	"	X
108-95-2	Phenol	< 77200	U	µg/kg	77200	5080	1	"	"	"	"	"	X
129-00-0	Pyrene	< 15600	U	µg/kg	15600	8700	1	"	"	"	"	"	X
110-86-1	Pyridine	< 77200	U	µg/kg	77200	11500	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 77200	U	µg/kg	77200	7650	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 15600	U	µg/kg	15600	7670	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 77200	U	µg/kg	77200	6950	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 39100	U	µg/kg	39100	6970	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 77200	U	µg/kg	77200	12200	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 77200	U	µg/kg	77200	7490	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*37*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*83*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*76*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*109*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 2	14800.0039	Liquid	30-Aug-17 14:45	01-Sep-17
SC38763-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*		S04, U		*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
074663-85-7	Cyclopropane, nonyl-	**228,000**	J N	µg/l			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 146	U	µg/kg	146	65.4	1	SW846 8082A	08-Sep-17	08-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 146	U	µg/kg	146	77.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 146	U	µg/kg	146	73.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 146	U	µg/kg	146	144	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 146	U	µg/kg	146	133	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 146	U	µg/kg	146	95.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 146	U	µg/kg	146	78.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 146	U	µg/kg	146	127	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 146	U	µg/kg	146	65.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 73.0	U	µg/kg	73.0	19.6	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 73.0	U	µg/kg	73.0	28.9	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 73.0	U	µg/kg	73.0	21.0	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 43.8	U	µg/kg	43.8	21.0	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 73.0	U	µg/kg	73.0	24.4	1	"	"	"	"	"	X
309-00-2	Aldrin	< 73.0	U	µg/kg	73.0	22.5	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 73.0	U	µg/kg	73.0	25.8	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 73.0	U	µg/kg	73.0	25.7	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 73.0	U	µg/kg	73.0	25.7	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 73.0	U	µg/kg	73.0	23.1	1	"	"	"	"	"	X
72-20-8	Endrin	< 117	U	µg/kg	117	25.7	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 117	U	µg/kg	117	27.4	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 117	U	µg/kg	117	25.4	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 117	U	µg/kg	117	24.4	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 117	U	µg/kg	117	22.5	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 117	U	µg/kg	117	25.8	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 117	U	µg/kg	117	26.3	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 117	U	µg/kg	117	24.4	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 73.0	U	µg/kg	73.0	25.0	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 73.0	U	µg/kg	73.0	26.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 2	14800.0039	Liquid	30-Aug-17 14:45	01-Sep-17
SC38763-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
8001-35-2	Toxaphene	< 1460	U	µg/kg	1460	316	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
57-74-9	Chlordane	< 292	U	µg/kg	292	289	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 73.0	U	µg/kg	73.0	35.8	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 1630	U	mg/kg	1630		1	SW846 8100Mod.	11-Sep-17	12-Sep-17	DJS	1715504	
68476-30-2	Fuel Oil #2	< 1630	U	mg/kg	1630	1160	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 1630	U	mg/kg	1630		1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 1630	U	mg/kg	1630		1	"	"	"	"	"	
M09800000	Motor Oil	< 1630	U	mg/kg	1630		1	"	"	"	"	"	
8032-32-4	Ligroin	< 1630	U	mg/kg	1630		1	"	"	"	"	"	
J00100000	Aviation Fuel	< 1630	U	mg/kg	1630		1	"	"	"	"	"	
	Hydraulic Oil	< 1630	U	mg/kg	1630		1	"	"	"	"	"	
	Dielectric Fluid	< 1630	U	mg/kg	1630		1	"	"	"	"	"	
	Unidentified	**17,200**		mg/kg	1630		1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg	1630		1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**17,200**		mg/kg	1630		1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*125*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.55	U	mg/kg	6.55	0.707	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 24.0	R06, U	mg/kg	24.0	4.95	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.55	U	mg/kg	6.55	0.829	1	"	"	"	"	"	X
7440-39-3	Barium	**0.677**	J	mg/kg	4.36	0.515	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.18	U	mg/kg	2.18	0.110	1	"	"	"	"	"	X
7440-70-2	Calcium	**25.6**	J	mg/kg	109	22.3	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.18	U	mg/kg	2.18	0.113	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.36	U	mg/kg	4.36	0.253	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.786**	J	mg/kg	4.36	0.581	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.36	U	mg/kg	4.36	1.05	1	"	"	"	"	"	X
7439-89-6	Iron	**78.9**	R06, J	mg/kg	177	8.99	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0271	U	mg/kg	0.0271	0.0075	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**74,500**		mg/kg	218	15.2	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 21.8	U	mg/kg	21.8	6.29	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 2	14800.0039	Liquid	30-Aug-17 14:45	01-Sep-17
SC38763-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7439-96-5	Manganese	< 4.36	U	mg/kg	4.36	1.11	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7440-23-5	Sodium	**32,800**	R06	mg/kg	2030	46.9	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.36	U	mg/kg	4.36	0.502	1	"	"	"	"	"	X
7439-92-1	Lead	**1.64**	J	mg/kg	6.55	0.925	1	"	"	"	"	"	X
7440-36-0	Antimony	< 21.8	U	mg/kg	21.8	1.64	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.55	U	mg/kg	6.55	1.25	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.1	U	mg/kg	13.1	4.81	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.55	U	mg/kg	6.55	1.16	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.58	R06, U	mg/kg	4.58	3.38	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**164,000**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**11.9**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:00	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 400336-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50		ug/L	50	50	10	SW8151A	06-Sep-17	07-Sep-17 21:15	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 50		ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100		ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50		ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 50		ug/L	50	50	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100		ug/L	100	100	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100		ug/L	100	100	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*16*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**71.7**		% by Volume		0.10	1	SW846 9000	"	07-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 15.1 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4970	U, D	µg/kg	4970	2520	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 49700	U, D	µg/kg	49700	19900	5000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4970	U, D	µg/kg	4970	4770	5000	"	"	"	"	"	X
71-43-2	Benzene	**15,600**	D	µg/kg	4970	1320	5000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4970	U, D	µg/kg	4970	1330	5000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4970	U, D	µg/kg	4970	2510	5000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4970	U, D	µg/kg	4970	3310	5000	"	"	"	"	"	X
75-25-2	Bromoform	< 4970	U, D	µg/kg	4970	4740	5000	"	"	"	"	"	X
74-83-9	Bromomethane	< 9930	U, D	µg/kg	9930	4490	5000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 9930	U, D	µg/kg	9930	8880	5000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**232,000**	D	µg/kg	4970	1420	5000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**215,000**	D	µg/kg	4970	904	5000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	**14,600**	D	µg/kg	4970	1110	5000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9930	U, D	µg/kg	9930	3180	5000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4970	U, D	µg/kg	4970	4060	5000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4970	U, D	µg/kg	4970	1550	5000	"	"	"	"	"	X
75-00-3	Chloroethane	< 9930	U, D	µg/kg	9930	2760	5000	"	"	"	"	"	X
67-66-3	Chloroform	< 4970	U, D	µg/kg	4970	2670	5000	"	"	"	"	"	X
74-87-3	Chloromethane	< 9930	U, D	µg/kg	9930	2050	5000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4970	U, D	µg/kg	4970	1240	5000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4970	U, D	µg/kg	4970	1170	5000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9930	U, D	µg/kg	9930	7180	5000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4970	U, D	µg/kg	4970	3370	5000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4970	U, D	µg/kg	4970	3330	5000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4970	U, D	µg/kg	4970	2580	5000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4970	U, D	µg/kg	4970	1290	5000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4970	U, D	µg/kg	4970	1080	5000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4970	U, D	µg/kg	4970	1470	5000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9930	U, D	µg/kg	9930	1880	5000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4970	U, D	µg/kg	4970	1300	5000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4970	U, D	µg/kg	4970	1780	5000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4970	U, D	µg/kg	4970	2600	5000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4970	U, D	µg/kg	4970	1840	5000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4970	U, D	µg/kg	4970	2630	5000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4970	U, D	µg/kg	4970	2600	5000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4970	U, D	µg/kg	4970	2570	5000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4970	U, D	µg/kg	4970	2340	5000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4970	U, D	µg/kg	4970	1600	5000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4970	U, D	µg/kg	4970	3000	5000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4970	U, D	µg/kg	4970	2610	5000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
						Initial weight: 15.1 g							
100-41-4	Ethylbenzene	**125,000**	D	µg/kg	4970	715	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 4970	U, D	µg/kg	4970	2490	5000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 9930	U, D	µg/kg	9930	6090	5000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**344,000**	D	µg/kg	4970	978	5000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**145,000**	D	µg/kg	4970	1070	5000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**10,300**	D	µg/kg	4970	1830	5000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 9930	U, D	µg/kg	9930	2550	5000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9930	U, D	µg/kg	9930	1970	5000	"	"	"	"	"	X
91-20-3	Naphthalene	**677,000**	D, E	µg/kg	4970	2960	5000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**1,130,000**	D, E	µg/kg	4970	805	5000	"	"	"	"	"	X
100-42-5	Styrene	**21,200**	D	µg/kg	4970	998	5000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4970	U, D	µg/kg	4970	4220	5000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4970	U, D	µg/kg	4970	4200	5000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4970	U, D	µg/kg	4970	1700	5000	"	"	"	"	"	X
108-88-3	Toluene	**254,000**	D	µg/kg	4970	1610	5000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4970	U, D	µg/kg	4970	1740	5000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4970	U, D	µg/kg	4970	3660	5000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4970	U, D	µg/kg	4970	1560	5000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4970	U, D	µg/kg	4970	1650	5000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4970	U, D	µg/kg	4970	3600	5000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4970	U, D	µg/kg	4970	1360	5000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4970	U, D	µg/kg	4970	2680	5000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4970	U, D	µg/kg	4970	3730	5000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**3,000,000**	D, E	µg/kg	4970	1210	5000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**1,750,000**	D, E	µg/kg	4970	854	5000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4970	U, D	µg/kg	4970	1680	5000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**583,000**	D, E	µg/kg	9930	894	5000	"	"	"	"	"	X
95-47-6	o-Xylene	**630,000**	D, E	µg/kg	4970	1390	5000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9930	U, D	µg/kg	9930	7830	5000	"	"	"	"	"	
60-29-7	Ethyl ether	< 4970	U, D	µg/kg	4970	4500	5000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 4970	U, D	µg/kg	4970	1660	5000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4970	U, D	µg/kg	4970	2680	5000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4970	U, D	µg/kg	4970	924	5000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 49700	U, D	µg/kg	49700	32500	5000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 99300	U, D	µg/kg	99300	86300	5000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 24800	U, D	µg/kg	24800	11300	5000	"	"	"	"	"	X
64-17-5	Ethanol	< 993000	U, D	µg/kg	993000	185000	5000	"	"	"	"	"	
108-87-2	Methylcyclohexane	**91,000**	NonTR G TIC, D	µg/kg	24800	1870	5000	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*127*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
							Initial weight: 15.1 g						
2037-26-5	*Toluene-d8*	*135*	SGCMS VOC		*70-130 %*			SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 15.1 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 49700	U, D	µg/kg	49700	25200	50000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
67-64-1	Acetone	< 497000	U, D	µg/kg	497000	199000	50000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 49700	U, D	µg/kg	49700	47700	50000	"	"	"	"	"	X
71-43-2	Benzene	**15,400**	J, D	µg/kg	49700	13200	50000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 49700	U, D	µg/kg	49700	13300	50000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 49700	U, D	µg/kg	49700	25100	50000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 49700	U, D	µg/kg	49700	33100	50000	"	"	"	"	"	X
75-25-2	Bromoform	< 49700	U, D	µg/kg	49700	47400	50000	"	"	"	"	"	X
74-83-9	Bromomethane	< 99300	U, D	µg/kg	99300	44900	50000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 99300	U, D	µg/kg	99300	88800	50000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**385,000**	D	µg/kg	49700	14200	50000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**316,000**	D	µg/kg	49700	9040	50000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	**46,200**	J, D	µg/kg	49700	11100	50000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 99300	U, D	µg/kg	99300	31800	50000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 49700	U, D	µg/kg	49700	40600	50000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 49700	U, D	µg/kg	49700	15500	50000	"	"	"	"	"	X
75-00-3	Chloroethane	< 99300	U, D	µg/kg	99300	27600	50000	"	"	"	"	"	X
67-66-3	Chloroform	< 49700	U, D	µg/kg	49700	26700	50000	"	"	"	"	"	X
74-87-3	Chloromethane	< 99300	U, D	µg/kg	99300	20500	50000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 49700	U, D	µg/kg	49700	12400	50000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 49700	U, D	µg/kg	49700	11700	50000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 99300	U, D	µg/kg	99300	71800	50000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 49700	U, D	µg/kg	49700	33700	50000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 49700	U, D	µg/kg	49700	33300	50000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 49700	U, D	µg/kg	49700	25800	50000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 49700	U, D	µg/kg	49700	12900	50000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 49700	U, D	µg/kg	49700	10800	50000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 49700	U, D	µg/kg	49700	14700	50000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 99300	U, D	µg/kg	99300	18800	50000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 49700	U, D	µg/kg	49700	13000	50000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 49700	U, D	µg/kg	49700	17800	50000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 49700	U, D	µg/kg	49700	26000	50000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 49700	U, D	µg/kg	49700	18400	50000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 49700	U, D	µg/kg	49700	26300	50000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 49700	U, D	µg/kg	49700	26000	50000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 49700	U, D	µg/kg	49700	25700	50000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 49700	U, D	µg/kg	49700	23400	50000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
						Initial weight: 15.1 g							
563-58-6	1,1-Dichloropropene	< 49700	U, D	µg/kg	49700	16000	50000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
10061-01-5	cis-1,3-Dichloropropene	< 49700	U, D	µg/kg	49700	30000	50000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 49700	U, D	µg/kg	49700	26100	50000	"	"	"	"	"	X
100-41-4	Ethylbenzene	**132,000**	D	µg/kg	49700	7150	50000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 49700	U, D	µg/kg	49700	24900	50000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 99300	U, D	µg/kg	99300	60900	50000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**387,000**	D	µg/kg	49700	9780	50000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**198,000**	D	µg/kg	49700	10700	50000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 49700	U, D	µg/kg	49700	18300	50000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 99300	U, D	µg/kg	99300	25500	50000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 99300	U, D	µg/kg	99300	19700	50000	"	"	"	"	"	X
91-20-3	Naphthalene	**850,000**	D	µg/kg	49700	29600	50000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**1,730,000**	D	µg/kg	49700	8050	50000	"	"	"	"	"	X
100-42-5	Styrene	**47,700**	J, D	µg/kg	49700	9980	50000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 49700	U, D	µg/kg	49700	42200	50000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 49700	U, D	µg/kg	49700	42000	50000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 49700	U, D	µg/kg	49700	17000	50000	"	"	"	"	"	X
108-88-3	Toluene	**269,000**	D	µg/kg	49700	16100	50000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 49700	U, D	µg/kg	49700	17400	50000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 49700	U, D	µg/kg	49700	36600	50000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 49700	U, D	µg/kg	49700	15600	50000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 49700	U, D	µg/kg	49700	16500	50000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 49700	U, D	µg/kg	49700	36000	50000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 49700	U, D	µg/kg	49700	13600	50000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 49700	U, D	µg/kg	49700	26800	50000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 49700	U, D	µg/kg	49700	37300	50000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**9,630,000**	D, E	µg/kg	49700	12100	50000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**3,200,000**	D	µg/kg	49700	8540	50000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 49700	U, D	µg/kg	49700	16800	50000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**540,000**	D	µg/kg	99300	8940	50000	"	"	"	"	"	X
95-47-6	o-Xylene	**819,000**	D	µg/kg	49700	13900	50000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 99300	U, D	µg/kg	99300	78300	50000	"	"	"	"	"	
60-29-7	Ethyl ether	< 49700	U, D	µg/kg	49700	45000	50000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 49700	U, D	µg/kg	49700	16600	50000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 49700	U, D	µg/kg	49700	26800	50000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 49700	U, D	µg/kg	49700	9240	50000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 497000	U, D	µg/kg	497000	325000	50000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 993000	U, D	µg/kg	993000	863000	50000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 248000	U, D	µg/kg	248000	113000	50000	"	"	"	"	"	X
64-17-5	Ethanol	< 9930000	U, D	µg/kg	9930000	1850000	50000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*110*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
						Initial weight: 15.1 g							
2037-26-5	*Toluene-d8*	*123*			*70-130 %*			SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	
17060-07-0	*1,2-Dichloroethane-d4*	*121*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*117*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 15.1 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 199000	U, D	µg/kg	199000	101000	200000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
67-64-1	Acetone	< 1990000	U, D	µg/kg	1990000	795000	200000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 199000	U, D	µg/kg	199000	191000	200000	"	"	"	"	"	X
71-43-2	Benzene	< 199000	U, D	µg/kg	199000	52600	200000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 199000	U, D	µg/kg	199000	53000	200000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 199000	U, D	µg/kg	199000	100000	200000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 199000	U, D	µg/kg	199000	133000	200000	"	"	"	"	"	X
75-25-2	Bromoform	< 199000	U, D	µg/kg	199000	190000	200000	"	"	"	"	"	X
74-83-9	Bromomethane	< 397000	U, D	µg/kg	397000	179000	200000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 397000	U, D	µg/kg	397000	355000	200000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**280,000**	D	µg/kg	199000	56800	200000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**350,000**	D	µg/kg	199000	36200	200000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	**127,000**	J, D	µg/kg	199000	44500	200000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 397000	U, D	µg/kg	397000	127000	200000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 199000	U, D	µg/kg	199000	163000	200000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 199000	U, D	µg/kg	199000	62200	200000	"	"	"	"	"	X
75-00-3	Chloroethane	< 397000	U, D	µg/kg	397000	110000	200000	"	"	"	"	"	X
67-66-3	Chloroform	< 199000	U, D	µg/kg	199000	107000	200000	"	"	"	"	"	X
74-87-3	Chloromethane	< 397000	U, D	µg/kg	397000	82100	200000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 199000	U, D	µg/kg	199000	49500	200000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 199000	U, D	µg/kg	199000	46700	200000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 397000	U, D	µg/kg	397000	287000	200000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 199000	U, D	µg/kg	199000	135000	200000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 199000	U, D	µg/kg	199000	133000	200000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 199000	U, D	µg/kg	199000	103000	200000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 199000	U, D	µg/kg	199000	51700	200000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 199000	U, D	µg/kg	199000	43100	200000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 199000	U, D	µg/kg	199000	58800	200000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 397000	U, D	µg/kg	397000	75300	200000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 199000	U, D	µg/kg	199000	52100	200000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 199000	U, D	µg/kg	199000	71100	200000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 199000	U, D	µg/kg	199000	104000	200000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 199000	U, D	µg/kg	199000	73700	200000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 199000	U, D	µg/kg	199000	105000	200000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 199000	U, D	µg/kg	199000	104000	200000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 199000	U, D	µg/kg	199000	103000	200000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
						Initial weight: 15.1 g							
594-20-7	2,2-Dichloropropane	< 199000	U, D	µg/kg	199000	93800	200000	SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	X
563-58-6	1,1-Dichloropropene	< 199000	U, D	µg/kg	199000	64000	200000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 199000	U, D	µg/kg	199000	120000	200000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 199000	U, D	µg/kg	199000	104000	200000	"	"	"	"	"	X
100-41-4	Ethylbenzene	**123,000**	J, D	µg/kg	199000	28600	200000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 199000	U, D	µg/kg	199000	99700	200000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 397000	U, D	µg/kg	397000	244000	200000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**324,000**	D	µg/kg	199000	39100	200000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**238,000**	D	µg/kg	199000	42700	200000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 199000	U, D	µg/kg	199000	73100	200000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 397000	U, D	µg/kg	397000	102000	200000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 397000	U, D	µg/kg	397000	78900	200000	"	"	"	"	"	X
91-20-3	Naphthalene	**560,000**	D	µg/kg	199000	118000	200000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**1,290,000**	D	µg/kg	199000	32200	200000	"	"	"	"	"	X
100-42-5	Styrene	< 199000	U, D	µg/kg	199000	39900	200000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 199000	U, D	µg/kg	199000	169000	200000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 199000	U, D	µg/kg	199000	168000	200000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**157,000**	J, D	µg/kg	199000	67900	200000	"	"	"	"	"	X
108-88-3	Toluene	**242,000**	D	µg/kg	199000	64400	200000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 199000	U, D	µg/kg	199000	69700	200000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 199000	U, D	µg/kg	199000	146000	200000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 199000	U, D	µg/kg	199000	62400	200000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 199000	U, D	µg/kg	199000	66000	200000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 199000	U, D	µg/kg	199000	144000	200000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 199000	U, D	µg/kg	199000	54200	200000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 199000	U, D	µg/kg	199000	107000	200000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 199000	U, D	µg/kg	199000	149000	200000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**8,450,000**	D	µg/kg	199000	48300	200000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**2,440,000**	D	µg/kg	199000	34200	200000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 199000	U, D	µg/kg	199000	67200	200000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**469,000**	D	µg/kg	397000	35800	200000	"	"	"	"	"	X
95-47-6	o-Xylene	**566,000**	D	µg/kg	199000	55600	200000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 397000	U, D	µg/kg	397000	313000	200000	"	"	"	"	"	
60-29-7	Ethyl ether	< 199000	U, D	µg/kg	199000	180000	200000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 199000	U, D	µg/kg	199000	66400	200000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 199000	U, D	µg/kg	199000	107000	200000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 199000	U, D	µg/kg	199000	37000	200000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1990000	U, D	µg/kg	1990000	1300000	200000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 3970000	U, D	µg/kg	3970000	3450000	200000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 993000	U, D	µg/kg	993000	453000	200000	"	"	"	"	"	X
64-17-5	Ethanol	< 39700000	U, D	µg/kg	39700000	7410000	200000	"	"	"	"	"	

Surrogate recoveries:

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
							Initial weight: 15.1 g						
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			SW846 8260C	11-Sep-17	11-Sep-17	MP	1715478	
2037-26-5	*Toluene-d8*	*116*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*127*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*120*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5035A Soil (high level)							Initial weight: 15.1 g						
611-14-3	Benzene, 1-ethyl-2-methyl-	**275,000**	J N, D	µg/kg			5000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
000620-14-4	Benzene, 1-ethyl-3-methyl-	**786,000**	J N, D	µg/kg			5000	"	"	"	"	"	
111-84-2	Nonane	**262,000**	J N, D	µg/kg			5000	"	"	"	"	"	
17301-94-9	Nonane, 4-methyl-	**180,000**	J N, D	µg/kg			5000	"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C			R01										
83-32-9	Acenaphthene	**154,000**	D	µg/kg	152000	75500	10	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 152000	U, D	µg/kg	152000	74800	10	"	"	"	"	"	X
62-53-3	Aniline	< 750000	U, D	µg/kg	750000	53900	10	"	"	"	"	"	X
120-12-7	Anthracene	< 152000	U, D	µg/kg	152000	72500	10	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 750000	U, D	µg/kg	750000	73800	10	"	"	"	"	"	
92-87-5	Benzidine	< 750000	U, D	µg/kg	750000	151000	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 152000	U, D	µg/kg	152000	80000	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 152000	U, D	µg/kg	152000	56400	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 152000	U, D	µg/kg	152000	73400	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 152000	U, D	µg/kg	152000	60900	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 152000	U, D	µg/kg	152000	59300	10	"	"	"	"	"	X
65-85-0	Benzoic acid	< 750000	U, D	µg/kg	750000	157000	10	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 750000	U, D	µg/kg	750000	61400	10	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 750000	U, D	µg/kg	750000	66600	10	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 380000	U, D	µg/kg	380000	54400	10	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 380000	U, D	µg/kg	380000	58400	10	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 380000	U, D	µg/kg	380000	93600	10	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 750000	U, D	µg/kg	750000	70300	10	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 750000	U, D	µg/kg	750000	87500	10	"	"	"	"	"	X
86-74-8	Carbazole	< 380000	U, D	µg/kg	380000	212000	10	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 750000	U, D	µg/kg	750000	71600	10	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 380000	U, D	µg/kg	380000	82100	10	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 750000	U, D	µg/kg	750000	69300	10	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 380000	U, D	µg/kg	380000	67500	10	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 750000	U, D	µg/kg	750000	89100	10	"	"	"	"	"	X
218-01-9	Chrysene	< 152000	U, D	µg/kg	152000	75700	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 152000	U, D	µg/kg	152000	58200	10	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds R01

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
132-64-9	Dibenzofuran	**74,200**	J, D	µg/kg	380000	57700	10	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
95-50-1	1,2-Dichlorobenzene	< 750000	U, D	µg/kg	750000	65500	10	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 750000	U, D	µg/kg	750000	65500	10	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 750000	U, D	µg/kg	750000	69600	10	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 750000	U, D	µg/kg	750000	114000	10	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 380000	U, D	µg/kg	380000	71000	10	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 750000	U, D	µg/kg	750000	92700	10	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 750000	U, D	µg/kg	750000	82100	10	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 750000	U, D	µg/kg	750000	53600	10	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 750000	U, D	µg/kg	750000	79600	10	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 750000	U, D	µg/kg	750000	96300	10	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 750000	U, D	µg/kg	750000	76400	10	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 380000	U, D	µg/kg	380000	147000	10	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 380000	U, D	µg/kg	380000	85500	10	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 750000	U, D	µg/kg	750000	84800	10	"	"	"	"	"	X
206-44-0	Fluoranthene	< 152000	U, D	µg/kg	152000	80100	10	"	"	"	"	"	X
86-73-7	Fluorene	**245,000**	D	µg/kg	152000	77100	10	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 380000	U, D	µg/kg	380000	74700	10	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 380000	U, D	µg/kg	380000	90700	10	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 380000	U, D	µg/kg	380000	51600	10	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 380000	U, D	µg/kg	380000	81800	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 152000	U, D	µg/kg	152000	54500	10	"	"	"	"	"	X
78-59-1	Isophorone	< 380000	U, D	µg/kg	380000	71100	10	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	**4,380,000**	D	µg/kg	152000	91600	10	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 750000	U, D	µg/kg	750000	63800	10	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 750000	U, D	µg/kg	750000	72500	10	"	"	"	"	"	X
91-20-3	Naphthalene	**1,350,000**	D	µg/kg	152000	70700	10	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 750000	U, D	µg/kg	750000	63600	10	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 750000	U, D	µg/kg	750000	103000	10	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 380000	U, D	µg/kg	380000	117000	10	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 380000	U, D	µg/kg	380000	69100	10	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 380000	U, D	µg/kg	380000	63000	10	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 3000000	U, D	µg/kg	3000000	121000	10	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 380000	U, D	µg/kg	380000	70500	10	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 380000	U, D	µg/kg	380000	73900	10	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 750000	U, D	µg/kg	750000	81300	10	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 750000	U, D	µg/kg	750000	80100	10	"	"	"	"	"	X
85-01-8	Phenanthrene	**377,000**	D	µg/kg	152000	70600	10	"	"	"	"	"	X
108-95-2	Phenol	< 750000	U, D	µg/kg	750000	49400	10	"	"	"	"	"	X
129-00-0	Pyrene	< 152000	U, D	µg/kg	152000	84600	10	"	"	"	"	"	X
110-86-1	Pyridine	< 750000	U, D	µg/kg	750000	112000	10	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 750000	U, D	µg/kg	750000	74300	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**2,090,000**	D	µg/kg	152000	74600	10	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 750000	U, D	µg/kg	750000	67500	10	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
88-06-2	2,4,6-Trichlorophenol	< 380000	U, D	µg/kg	380000	67700	10	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
82-68-8	Pentachloronitrobenzene	< 750000	U, D	µg/kg	750000	118000	10	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 750000	U, D	µg/kg	750000	72700	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*116*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*98*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*264*	S04		*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*190*	S04		*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*118*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*564*	S04		*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds													
108-67-8	Benzene, 1,3,5-trimethyl-	**10,000,000**	J N, D	µg/l			10	SW846 8270D TICS	"	"	MSL	"	
611-14-3	Benzene, 1-ethyl-2-methyl-	**23,000,000**	J N, D	µg/l			10	"	"	"	"	"	
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	**3,550,000**	J N, D	µg/l			10	"	"	"	"	"	
001074-43-7	Benzene, 1-methyl-3-propyl-	**3,470,000**	J N, D	µg/l			10	"	"	"	"	"	
1678-93-9	Cyclohexane, butyl-	**2,080,000**	J N, D	µg/l			10	"	"	"	"	"	
111-84-2	Nonane	**3,070,000**	J N, D	µg/l			10	"	"	"	"	"	
	Octane, 3,6-dimethyl-	**2,070,000**	J N, D	µg/l			10	"	"	"	"	"	
95-36-3	Benzene, 1,2,3-trimethyl-	**27,700,000**	J N, D	µg/l			10	"	"	"	"	"	
95-63-6	Benzene, 1,2,4-trimethyl-	**7,430,000**	J N, D	µg/l			10	"	"	"	"	"	
003333-13-9	Benzene, 1-methyl-4-(2-prop...	**2,620,000**	J N, D	µg/l			10	"	"	"	"	"	
001074-55-1	Benzene, 1-methyl-4-propyl-	**2,180,000**	J N, D	µg/l			10	"	"	"	"	"	
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	**3,340,000**	J N, D	µg/l			10	"	"	"	"	"	
103-65-1	Benzene, propyl-	**6,170,000**	J N, D	µg/l			10	"	"	"	"	"	
124-18-5	Decane	**7,530,000**	J N, D	µg/l			10	"	"	"	"	"	
496-11-7	Indane	**2,950,000**	J N, D	µg/l			10	"	"	"	"	"	
000571-58-4	Naphthalene, 1,4-dimethyl-	**2,230,000**	J N, D	µg/l			10	"	"	"	"	"	
000581-42-0	Naphthalene, 2,6-dimethyl- (01)	**2,260,000**	J N, D	µg/l			10	"	"	"	"	"	
001120-21-4	Undecane (01)	**8,030,000**	J N, D	µg/l			10	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 168	U	µg/kg	168	75.2	1	SW846 8082A	08-Sep-17	08-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 168	U	µg/kg	168	89.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 168	U	µg/kg	168	84.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 168	U	µg/kg	168	166	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 168	U	µg/kg	168	153	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 168	U	µg/kg	168	110	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 168	U	µg/kg	168	89.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
37324-23-5	Aroclor-1262	< 168	U	µg/kg	168	146	1	SW846 8082A	08-Sep-17	08-Sep-17	IMR	1715332	X
11100-14-4	Aroclor-1268	< 168	U	µg/kg	168	75.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 84.0	U	µg/kg	84.0	22.5	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 84.0	U	µg/kg	84.0	33.2	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 84.0	U	µg/kg	84.0	24.2	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 50.4	U	µg/kg	50.4	24.2	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 84.0	U	µg/kg	84.0	28.0	1	"	"	"	"	"	X
309-00-2	Aldrin	< 84.0	U	µg/kg	84.0	25.9	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 84.0	U	µg/kg	84.0	29.7	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 84.0	U	µg/kg	84.0	29.6	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 84.0	U	µg/kg	84.0	29.6	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 84.0	U	µg/kg	84.0	26.5	1	"	"	"	"	"	X
72-20-8	Endrin	< 134	U	µg/kg	134	29.6	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 134	U	µg/kg	134	31.6	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 134	U	µg/kg	134	29.2	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 134	U	µg/kg	134	28.0	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 134	U	µg/kg	134	25.9	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 134	U	µg/kg	134	29.7	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 134	U	µg/kg	134	30.2	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 134	U	µg/kg	134	28.0	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 84.0	U	µg/kg	84.0	28.7	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 84.0	U	µg/kg	84.0	30.2	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1680	U	µg/kg	1680	363	1	"	"	"	"	"	X
57-74-9	Chlordane	< 336	U	µg/kg	336	332	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 84.0	U	µg/kg	84.0	41.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*63*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*339*	S02		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3550C			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17
SC38763-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC			GS1										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	**Calculated as**		mg/kg	18000		10	SW846 8100Mod.	11-Sep-17	12-Sep-17	DJS	1715504	
68476-30-2	Fuel Oil #2	**Calculated as**		mg/kg	18000	12800	10	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
M09800000	Motor Oil	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
8032-32-4	Ligroin	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
J00100000	Aviation Fuel	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
	Hydraulic Oil	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
	Dielectric Fluid	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
	Unidentified	**1,000,000**	D	mg/kg	18000		10	"	"	"	"	"	
	Other Oil	< 18000	U, D	mg/kg	18000		10	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**1,000,000**	D	mg/kg	18000		10	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*5590*	S02		*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.80	U	mg/kg	6.80	0.734	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 24.9	R06, U	mg/kg	24.9	5.15	1	"	"	"	"	"	X
7440-38-2	Arsenic	**2.09**	J	mg/kg	6.80	0.861	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.53	U	mg/kg	4.53	0.535	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.27	U	mg/kg	2.27	0.114	1	"	"	"	"	"	X
7440-70-2	Calcium	**71.8**	J	mg/kg	113	23.2	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.27	U	mg/kg	2.27	0.117	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.53	U	mg/kg	4.53	0.262	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.53	U	mg/kg	4.53	0.603	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.53	U	mg/kg	4.53	1.09	1	"	"	"	"	"	X
7439-89-6	Iron	**15.8**	R06, J	mg/kg	184	9.34	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0293	U	mg/kg	0.0293	0.0081	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**67.5**	J	mg/kg	227	15.8	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 22.7	U	mg/kg	22.7	6.53	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.53	U	mg/kg	4.53	1.16	1	"	"	"	"	"	X
7440-23-5	Sodium	**591**	R06, J	mg/kg	2110	48.7	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.53	U	mg/kg	4.53	0.521	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.80	U	mg/kg	6.80	0.961	1	"	"	"	"	"	X
7440-36-0	Antimony	< 22.7	U	mg/kg	22.7	1.70	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.80	U	mg/kg	6.80	1.30	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.6	U	mg/kg	13.6	5.00	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.80	U	mg/kg	6.80	1.21	1	"	"	"	"	"	X
7440-66-6	Zinc	**29.2**	R06	mg/kg	4.76	3.51	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**164,000**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Combustible 3 SC38763-05	14800.0039	Liquid	30-Aug-17 15:15	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Toxicity Characteristics													
	Flashpoint	**92**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**9.64**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:09	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses Prepared by method 400336-										Methylation date: 06-Sep-17			
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 500		ug/L	500	500	10	SW8151A	06-Sep-17	07-Sep-17 21:35	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 500		ug/L	500	500	10	"	"	"	"	"	
94-75-7	2,4-D	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
94-82-6	2,4-DB	< 10000		ug/L	10000	10000	10	"	"	"	"	"	
75-99-0	Dalapon	< 500		ug/L	500	500	10	"	"	"	"	"	
1918-00-9	Dicamba	< 500		ug/L	500	500	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
88-85-7	Dinoseb	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*BRL*	Q2		*30-150 %*			"	"	"	"	"	
Subcontracted Analyses Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**0.66**		% by Volume		0.10	1	SW846 9000	"	"		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Cyanide	14800.0039	Liquid	30-Aug-17 15:50	01-Sep-17
SC38763-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.94 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5020	U, D	µg/kg	5020	2550	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 50200	U, D	µg/kg	50200	20100	5000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5020	U, D	µg/kg	5020	4820	5000	"	"	"	"	"	X
71-43-2	Benzene	< 5020	U, D	µg/kg	5020	1330	5000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5020	U, D	µg/kg	5020	1340	5000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5020	U, D	µg/kg	5020	2540	5000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5020	U, D	µg/kg	5020	3350	5000	"	"	"	"	"	X
75-25-2	Bromoform	< 5020	U, D	µg/kg	5020	4790	5000	"	"	"	"	"	X
74-83-9	Bromomethane	< 10000	U, D	µg/kg	10000	4530	5000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10000	U, D	µg/kg	10000	8980	5000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5020	U, D	µg/kg	5020	1440	5000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 10000	U, D	µg/kg	10000	10000	5000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5020	U, D	µg/kg	5020	1120	5000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10000	U, D	µg/kg	10000	3210	5000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5020	U, D	µg/kg	5020	4110	5000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5020	U, D	µg/kg	5020	1570	5000	"	"	"	"	"	X
75-00-3	Chloroethane	< 10000	U, D	µg/kg	10000	2790	5000	"	"	"	"	"	X
67-66-3	Chloroform	< 5020	U, D	µg/kg	5020	2700	5000	"	"	"	"	"	X
74-87-3	Chloromethane	< 10000	U, D	µg/kg	10000	2070	5000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5020	U, D	µg/kg	5020	1250	5000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5020	U, D	µg/kg	5020	1180	5000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10000	U, D	µg/kg	10000	7250	5000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5020	U, D	µg/kg	5020	3400	5000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5020	U, D	µg/kg	5020	3370	5000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5020	U, D	µg/kg	5020	2610	5000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5020	U, D	µg/kg	5020	1310	5000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5020	U, D	µg/kg	5020	1090	5000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5020	U, D	µg/kg	5020	1490	5000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10000	U, D	µg/kg	10000	1900	5000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5020	U, D	µg/kg	5020	1320	5000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5020	U, D	µg/kg	5020	1800	5000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5020	U, D	µg/kg	5020	2630	5000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5020	U, D	µg/kg	5020	1860	5000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5020	U, D	µg/kg	5020	2660	5000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5020	U, D	µg/kg	5020	2630	5000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5020	U, D	µg/kg	5020	2600	5000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5020	U, D	µg/kg	5020	2370	5000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5020	U, D	µg/kg	5020	1620	5000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5020	U, D	µg/kg	5020	3030	5000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5020	U, D	µg/kg	5020	2640	5000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Cyanide	14800.0039	Liquid	30-Aug-17 15:50	01-Sep-17
SC38763-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R04										
						Initial weight: 14.94 g							
100-41-4	Ethylbenzene	< 5020	U, D	µg/kg	5020	723	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 5020	U, D	µg/kg	5020	2520	5000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10000	U, D	µg/kg	10000	6160	5000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 5020	U, D	µg/kg	5020	989	5000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5020	U, D	µg/kg	5020	1080	5000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5020	U, D	µg/kg	5020	1850	5000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10000	U, D	µg/kg	10000	2580	5000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10000	U, D	µg/kg	10000	1990	5000	"	"	"	"	"	X
91-20-3	Naphthalene	< 20100	U, D	µg/kg	20100	20100	5000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 15100	U, D	µg/kg	15100	15100	5000	"	"	"	"	"	X
100-42-5	Styrene	< 5020	U, D	µg/kg	5020	1010	5000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5020	U, D	µg/kg	5020	4270	5000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5020	U, D	µg/kg	5020	4250	5000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5020	U, D	µg/kg	5020	1720	5000	"	"	"	"	"	X
108-88-3	Toluene	< 5020	U, D	µg/kg	5020	1630	5000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5020	U, D	µg/kg	5020	1760	5000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5020	U, D	µg/kg	5020	3700	5000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5020	U, D	µg/kg	5020	1580	5000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5020	U, D	µg/kg	5020	1670	5000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5020	U, D	µg/kg	5020	3640	5000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5020	U, D	µg/kg	5020	1370	5000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5020	U, D	µg/kg	5020	2710	5000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5020	U, D	µg/kg	5020	3770	5000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 60200	U, D	µg/kg	60200	60200	5000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 25100	U, D	µg/kg	25100	25100	5000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5020	U, D	µg/kg	5020	1700	5000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10000	U, D	µg/kg	10000	904	5000	"	"	"	"	"	X
95-47-6	o-Xylene	< 5020	U, D	µg/kg	5020	1410	5000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10000	U, D	µg/kg	10000	7910	5000	"	"	"	"	"	
60-29-7	Ethyl ether	< 5020	U, D	µg/kg	5020	4550	5000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5020	U, D	µg/kg	5020	1680	5000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5020	U, D	µg/kg	5020	2710	5000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5020	U, D	µg/kg	5020	934	5000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 50200	U, D	µg/kg	50200	32900	5000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 100000	U, D	µg/kg	100000	87200	5000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 25100	U, D	µg/kg	25100	11500	5000	"	"	"	"	"	X
64-17-5	Ethanol	< 1000000	U, D	µg/kg	1000000	187000	5000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*110*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Cyanide	14800.0039	Liquid	30-Aug-17 15:50	01-Sep-17
SC38763-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
						Initial weight: 14.94 g							
000620-14-4	Benzene, 1-ethyl-3-methyl-	**76,100**	J N, D	µg/kg			5000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 12900	U	µg/kg	12900	6440	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 12900	U	µg/kg	12900	6380	1	"	"	"	"	"	X
62-53-3	Aniline	< 64000	U	µg/kg	64000	4600	1	"	"	"	"	"	X
120-12-7	Anthracene	< 12900	U	µg/kg	12900	6190	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 64000	U	µg/kg	64000	6300	1	"	"	"	"	"	
92-87-5	Benzidine	**131,000**		µg/kg	64000	12900	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 12900	U	µg/kg	12900	6830	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 12900	U	µg/kg	12900	4820	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 12900	U	µg/kg	12900	6270	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 12900	U	µg/kg	12900	5200	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 12900	U	µg/kg	12900	5060	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 64000	U	µg/kg	64000	13400	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 64000	U	µg/kg	64000	5240	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 64000	U	µg/kg	64000	5690	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 32400	U	µg/kg	32400	4640	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 32400	U	µg/kg	32400	4990	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 32400	U	µg/kg	32400	7990	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 64000	U	µg/kg	64000	6000	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 64000	U	µg/kg	64000	7470	1	"	"	"	"	"	X
86-74-8	Carbazole	< 32400	U	µg/kg	32400	18100	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 64000	U	µg/kg	64000	6110	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 32400	U	µg/kg	32400	7010	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 64000	U	µg/kg	64000	5920	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 32400	U	µg/kg	32400	5760	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 64000	U	µg/kg	64000	7610	1	"	"	"	"	"	X
218-01-9	Chrysene	< 12900	U	µg/kg	12900	6460	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 12900	U	µg/kg	12900	4970	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 32400	U	µg/kg	32400	4930	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 64000	U	µg/kg	64000	5590	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 64000	U	µg/kg	64000	5590	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 64000	U	µg/kg	64000	5940	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 64000	U	µg/kg	64000	9740	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 32400	U	µg/kg	32400	6060	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 64000	U	µg/kg	64000	7920	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 64000	U	µg/kg	64000	7010	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 64000	U	µg/kg	64000	4580	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 64000	U	µg/kg	64000	6790	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Cyanide	14800.0039	Liquid	30-Aug-17 15:50	01-Sep-17
SC38763-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 64000	U	µg/kg	64000	8220	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 64000	U	µg/kg	64000	6520	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 32400	U	µg/kg	32400	12500	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 32400	U	µg/kg	32400	7300	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 64000	U	µg/kg	64000	7240	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 12900	U	µg/kg	12900	6840	1	"	"	"	"	"	X
86-73-7	Fluorene	< 12900	U	µg/kg	12900	6580	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 32400	U	µg/kg	32400	6380	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 32400	U	µg/kg	32400	7740	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 32400	U	µg/kg	32400	4400	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 32400	U	µg/kg	32400	6990	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 12900	U	µg/kg	12900	4660	1	"	"	"	"	"	X
78-59-1	Isophorone	< 32400	U	µg/kg	32400	6070	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 12900	U	µg/kg	12900	7820	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 64000	U	µg/kg	64000	5440	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 64000	U	µg/kg	64000	6190	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 12900	U	µg/kg	12900	6030	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 64000	U	µg/kg	64000	5430	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 64000	U	µg/kg	64000	8750	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 32400	U	µg/kg	32400	9970	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 32400	U	µg/kg	32400	5900	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 32400	U	µg/kg	32400	5380	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 256000	U	µg/kg	256000	10300	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 32400	U	µg/kg	32400	6020	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 32400	U	µg/kg	32400	6310	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 64000	U	µg/kg	64000	6950	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 64000	U	µg/kg	64000	6840	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 12900	U	µg/kg	12900	6020	1	"	"	"	"	"	X
108-95-2	Phenol	< 64000	U	µg/kg	64000	4210	1	"	"	"	"	"	X
129-00-0	Pyrene	< 12900	U	µg/kg	12900	7220	1	"	"	"	"	"	X
110-86-1	Pyridine	< 64000	U	µg/kg	64000	9550	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 64000	U	µg/kg	64000	6350	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 12900	U	µg/kg	12900	6360	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 64000	U	µg/kg	64000	5760	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 32400	U	µg/kg	32400	5780	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 64000	U	µg/kg	64000	10100	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 64000	U	µg/kg	64000	6210	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*83*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*90*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*103*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*86*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*108*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Cyanide SC38763-06	14800.0039	Liquid	30-Aug-17 15:50	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*	*140*	SAC		*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
002615-15-8	hexagol	**26,100**	J N	µg/l			1	SW846 8270D TICS	"	"	MSL	"	
629-92-5	Nonadecane	**29,300**	J N	µg/l			1	"	"	"	"	"	
000112-05-0	Nonanoic acid	**35,400**	J N	µg/l			1	"	"	"	"	"	
000143-07-7	Dodecanoic acid	**41,500**	J N	µg/l			1	"	"	"	"	"	
003055-95-6	Pentaethylene glycol monodo...	**32,000**	J N	µg/l			1	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 142	U	µg/kg	142	63.4	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 142	U	µg/kg	142	75.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 142	U	µg/kg	142	70.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 142	U	µg/kg	142	140	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 142	U	µg/kg	142	129	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 142	U	µg/kg	142	92.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 142	U	µg/kg	142	75.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 142	U	µg/kg	142	123	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 142	U	µg/kg	142	63.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 70.8	U	µg/kg	70.8	19.0	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 70.8	U	µg/kg	70.8	28.0	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 70.8	U	µg/kg	70.8	20.4	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 42.5	U	µg/kg	42.5	20.4	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 70.8	U	µg/kg	70.8	23.6	1	"	"	"	"	"	X
309-00-2	Aldrin	< 70.8	U	µg/kg	70.8	21.8	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 70.8	U	µg/kg	70.8	25.1	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 70.8	U	µg/kg	70.8	24.9	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 70.8	U	µg/kg	70.8	24.9	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 70.8	U	µg/kg	70.8	22.4	1	"	"	"	"	"	X
72-20-8	Endrin	< 113	U	µg/kg	113	24.9	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 113	U	µg/kg	113	26.6	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 113	U	µg/kg	113	24.6	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 113	U	µg/kg	113	23.6	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 113	U	µg/kg	113	21.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Cyanide	14800.0039	Liquid	30-Aug-17 15:50	01-Sep-17
SC38763-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Pesticides													
Organochlorine Pesticides													
72-43-5	Methoxychlor	< 113	U	µg/kg	113	25.1	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
53494-70-5	Endrin Ketone	< 113	U	µg/kg	113	25.5	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 113	U	µg/kg	113	23.6	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 70.8	U	µg/kg	70.8	24.2	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 70.8	U	µg/kg	70.8	25.5	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1420	U	µg/kg	1420	306	1	"	"	"	"	"	X
57-74-9	Chlordane	< 283	U	µg/kg	283	280	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 70.8	U	µg/kg	70.8	34.7	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*113*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*124*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**421**		mg/kg	1.3	0.7	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.88	U	mg/kg	6.88	0.743	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 25.2	R06, U	mg/kg	25.2	5.21	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.88	U	mg/kg	6.88	0.872	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.59	U	mg/kg	4.59	0.541	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.29	U	mg/kg	2.29	0.115	1	"	"	"	"	"	X
7440-70-2	Calcium	**55.0**	J	mg/kg	115	23.5	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.29	U	mg/kg	2.29	0.119	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.59	U	mg/kg	4.59	0.266	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.59	U	mg/kg	4.59	0.610	1	"	"	"	"	"	X
7440-50-8	Copper	**1.67**	J	mg/kg	4.59	1.10	1	"	"	"	"	"	X
7439-89-6	Iron	**39.2**	R06, J	mg/kg	186	9.45	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0290	U	mg/kg	0.0290	0.0081	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**92.2**	J	mg/kg	229	16.0	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	**11.9**	J	mg/kg	22.9	6.61	1	"	"	"	"	"	X
7439-96-5	Manganese	**3.28**	J	mg/kg	4.59	1.17	1	"	"	"	"	"	X
7440-23-5	Sodium	**9,140**	R06	mg/kg	2130	49.3	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.642**	J	mg/kg	4.59	0.528	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.88	U	mg/kg	6.88	0.972	1	"	"	"	"	"	X
7440-36-0	Antimony	< 22.9	U	mg/kg	22.9	1.72	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.88	U	mg/kg	6.88	1.31	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.8	U	mg/kg	13.8	5.06	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.88	U	mg/kg	6.88	1.22	1	"	"	"	"	"	X
7440-66-6	Zinc	**121**	R06	mg/kg	4.82	3.55	1	"	"	"	"	"	X
General Chemistry Parameters													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Cyanide SC38763-06	14800.0039	Liquid	30-Aug-17 15:50	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
Prepared by method SW846 9010B													
57-12-5	Cyanide (amenable)	< 1.00	U	mg/kg	1.00	0.422	1	SW846 9012B	08-Sep-17	08-Sep-17	RLT	1715370	X
57-12-5	Cyanide (total)	< 0.472	U	mg/kg	0.472	0.199	1	"	08-Sep-17	08-Sep-17	"	1715372	X
	Total Solids	**49,100**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**6.41**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:14	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 400336-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50	Q4	ug/L	50	50	10	SW8151A	06-Sep-17	08-Sep-17 13:10	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 50	Q4	ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100	Q4	ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000	Q4	ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50	Q4	ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 200	Q4	ug/L	200	200	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100	Q4	ug/L	100	100	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100	Q4	ug/L	100	100	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*26*	Q5		*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**>95**		% by Volume		0.10	1	SW846 9000	"	"		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Acidic SC38763-07	14800.0039	Liquid	30-Aug-17 15:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R01										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.6 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 2570	U, D	µg/kg	2570	1300	2500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 25700	U, D	µg/kg	25700	10300	2500	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 2570	U, D	µg/kg	2570	2470	2500	"	"	"	"	"	X
71-43-2	Benzene	< 2570	U, D	µg/kg	2570	681	2500	"	"	"	"	"	X
108-86-1	Bromobenzene	< 2570	U, D	µg/kg	2570	686	2500	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 2570	U, D	µg/kg	2570	1300	2500	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 2570	U, D	µg/kg	2570	1710	2500	"	"	"	"	"	X
75-25-2	Bromoform	< 2570	U, D	µg/kg	2570	2450	2500	"	"	"	"	"	X
74-83-9	Bromomethane	< 5140	U, D	µg/kg	5140	2320	2500	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 5140	U, D	µg/kg	5140	4590	2500	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 2570	U, D	µg/kg	2570	735	2500	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 2570	U, D	µg/kg	2570	467	2500	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 2570	U, D	µg/kg	2570	575	2500	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 5140	U, D	µg/kg	5140	1640	2500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 2570	U, D	µg/kg	2570	2100	2500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 2570	U, D	µg/kg	2570	804	2500	"	"	"	"	"	X
75-00-3	Chloroethane	< 5140	U, D	µg/kg	5140	1430	2500	"	"	"	"	"	X
67-66-3	Chloroform	< 2570	U, D	µg/kg	2570	1380	2500	"	"	"	"	"	X
74-87-3	Chloromethane	< 5140	U, D	µg/kg	5140	1060	2500	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 2570	U, D	µg/kg	2570	640	2500	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 2570	U, D	µg/kg	2570	604	2500	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 5140	U, D	µg/kg	5140	3710	2500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 2570	U, D	µg/kg	2570	1740	2500	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 2570	U, D	µg/kg	2570	1720	2500	"	"	"	"	"	X
74-95-3	Dibromomethane	< 2570	U, D	µg/kg	2570	1340	2500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2570	U, D	µg/kg	2570	668	2500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 2570	U, D	µg/kg	2570	557	2500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2570	U, D	µg/kg	2570	760	2500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 5140	U, D	µg/kg	5140	973	2500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 2570	U, D	µg/kg	2570	673	2500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 2570	U, D	µg/kg	2570	920	2500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 2570	U, D	µg/kg	2570	1340	2500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2570	U, D	µg/kg	2570	953	2500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 2570	U, D	µg/kg	2570	1360	2500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 2570	U, D	µg/kg	2570	1350	2500	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 2570	U, D	µg/kg	2570	1330	2500	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 2570	U, D	µg/kg	2570	1210	2500	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 2570	U, D	µg/kg	2570	827	2500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 2570	U, D	µg/kg	2570	1550	2500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2570	U, D	µg/kg	2570	1350	2500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Acidic	14800.0039	Liquid	30-Aug-17 15:00	01-Sep-17
SC38763-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R01										
						Initial weight: 14.6 g							
100-41-4	Ethylbenzene	< 2570	U, D	µg/kg	2570	370	2500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 2570	U, D	µg/kg	2570	1290	2500	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 5140	U, D	µg/kg	5140	3150	2500	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 2570	U, D	µg/kg	2570	506	2500	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 2570	U, D	µg/kg	2570	552	2500	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2570	U, D	µg/kg	2570	945	2500	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 5140	U, D	µg/kg	5140	1320	2500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 5140	U, D	µg/kg	5140	1020	2500	"	"	"	"	"	X
91-20-3	Naphthalene	**31,700**	D	µg/kg	2570	1530	2500	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 2570	U, D	µg/kg	2570	416	2500	"	"	"	"	"	X
100-42-5	Styrene	< 2570	U, D	µg/kg	2570	516	2500	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 2570	U, D	µg/kg	2570	2180	2500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2570	U, D	µg/kg	2570	2170	2500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2570	U, D	µg/kg	2570	878	2500	"	"	"	"	"	X
108-88-3	Toluene	< 2570	U, D	µg/kg	2570	832	2500	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 2570	U, D	µg/kg	2570	902	2500	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 2570	U, D	µg/kg	2570	1890	2500	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 2570	U, D	µg/kg	2570	807	2500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 2570	U, D	µg/kg	2570	853	2500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 2570	U, D	µg/kg	2570	1860	2500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 2570	U, D	µg/kg	2570	701	2500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 2570	U, D	µg/kg	2570	1380	2500	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 2570	U, D	µg/kg	2570	1930	2500	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5140	U, D	µg/kg	5140	5140	2500	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 2570	U, D	µg/kg	2570	442	2500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 2570	U, D	µg/kg	2570	868	2500	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 5140	U, D	µg/kg	5140	462	2500	"	"	"	"	"	X
95-47-6	o-Xylene	< 2570	U, D	µg/kg	2570	719	2500	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 5140	U, D	µg/kg	5140	4050	2500	"	"	"	"	"	
60-29-7	Ethyl ether	< 2570	U, D	µg/kg	2570	2330	2500	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 2570	U, D	µg/kg	2570	858	2500	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 2570	U, D	µg/kg	2570	1380	2500	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 2570	U, D	µg/kg	2570	478	2500	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 25700	U, D	µg/kg	25700	16800	2500	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 51400	U, D	µg/kg	51400	44600	2500	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 12800	U, D	µg/kg	12800	5860	2500	"	"	"	"	"	X
64-17-5	Ethanol	< 514000	U, D	µg/kg	514000	95800	2500	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*108*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Acidic SC38763-07	14800.0039	Liquid	30-Aug-17 15:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
							Initial weight: 14.6 g						
	Tentatively Identified Compounds	None found		µg/kg			2500	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 14000	U	µg/kg	14000	6980	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 14000	U	µg/kg	14000	6910	1	"	"	"	"	"	X
62-53-3	Aniline	< 69300	U	µg/kg	69300	4980	1	"	"	"	"	"	X
120-12-7	Anthracene	< 14000	U	µg/kg	14000	6700	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 69300	U	µg/kg	69300	6820	1	"	"	"	"	"	
92-87-5	Benzidine	< 69300	U	µg/kg	69300	14000	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 14000	U	µg/kg	14000	7400	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 14000	U	µg/kg	14000	5220	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 14000	U	µg/kg	14000	6790	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 14000	U	µg/kg	14000	5630	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 14000	U	µg/kg	14000	5480	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 69300	U	µg/kg	69300	14600	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 69300	U	µg/kg	69300	5680	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 69300	U	µg/kg	69300	6160	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 35100	U	µg/kg	35100	5030	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 35100	U	µg/kg	35100	5400	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 35100	U	µg/kg	35100	8660	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 69300	U	µg/kg	69300	6500	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 69300	U	µg/kg	69300	8090	1	"	"	"	"	"	X
86-74-8	Carbazole	< 35100	U	µg/kg	35100	19600	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 69300	U	µg/kg	69300	6620	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 35100	U	µg/kg	35100	7590	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 69300	U	µg/kg	69300	6410	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 35100	U	µg/kg	35100	6240	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 69300	U	µg/kg	69300	8240	1	"	"	"	"	"	X
218-01-9	Chrysene	< 14000	U	µg/kg	14000	7000	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 14000	U	µg/kg	14000	5380	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 35100	U	µg/kg	35100	5340	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 69300	U	µg/kg	69300	6050	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 69300	U	µg/kg	69300	6050	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 69300	U	µg/kg	69300	6430	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 69300	U	µg/kg	69300	10500	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 35100	U	µg/kg	35100	6560	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 69300	U	µg/kg	69300	8570	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 69300	U	µg/kg	69300	7590	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 69300	U	µg/kg	69300	4960	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 69300	U	µg/kg	69300	7350	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Acidic SC38763-07	14800.0039	Liquid	30-Aug-17 15:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 69300	U	µg/kg	69300	8900	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 69300	U	µg/kg	69300	7060	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 35100	U	µg/kg	35100	13600	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 35100	U	µg/kg	35100	7900	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 69300	U	µg/kg	69300	7840	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 14000	U	µg/kg	14000	7400	1	"	"	"	"	"	X
86-73-7	Fluorene	< 14000	U	µg/kg	14000	7120	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 35100	U	µg/kg	35100	6910	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 35100	U	µg/kg	35100	8380	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 35100	U	µg/kg	35100	4770	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 35100	U	µg/kg	35100	7560	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 14000	U	µg/kg	14000	5040	1	"	"	"	"	"	X
78-59-1	Isophorone	< 35100	U	µg/kg	35100	6580	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	**18,100**		µg/kg	14000	8470	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 69300	U	µg/kg	69300	5890	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 69300	U	µg/kg	69300	6700	1	"	"	"	"	"	X
91-20-3	Naphthalene	**12,800**	J	µg/kg	14000	6530	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 69300	U	µg/kg	69300	5880	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 69300	U	µg/kg	69300	9480	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 35100	U	µg/kg	35100	10800	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 35100	U	µg/kg	35100	6390	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 35100	U	µg/kg	35100	5820	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 277000	U	µg/kg	277000	11200	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 35100	U	µg/kg	35100	6510	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 35100	U	µg/kg	35100	6830	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 69300	U	µg/kg	69300	7520	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 69300	U	µg/kg	69300	7410	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 14000	U	µg/kg	14000	6520	1	"	"	"	"	"	X
108-95-2	Phenol	< 69300	U	µg/kg	69300	4560	1	"	"	"	"	"	X
129-00-0	Pyrene	< 14000	U	µg/kg	14000	7820	1	"	"	"	"	"	X
110-86-1	Pyridine	< 69300	U	µg/kg	69300	10300	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 69300	U	µg/kg	69300	6870	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**9,460**	J	µg/kg	14000	6890	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 69300	U	µg/kg	69300	6240	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 35100	U	µg/kg	35100	6260	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 69300	U	µg/kg	69300	10900	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 69300	U	µg/kg	69300	6720	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*85*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*85*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*		S04, U		*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*97*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Acidic SC38763-07	14800.0039	Liquid	30-Aug-17 15:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*	*144*	S04		*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
000872-50-4	2-Pyrrolidinone, 1-methyl-	**775,000**	J N	µg/l			1	SW846 8270D TICS	"	"	MSL	"	
001193-11-9	1,3-Dioxolane, 2,2,4-trimet...	**11,000,000**	J N	µg/l			1	"	"	"	"	"	
000111-27-3	1-Hexanol	**169,000**	J N	µg/l			1	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 154	U	µg/kg	154	68.9	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 154	U	µg/kg	154	81.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 154	U	µg/kg	154	77.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 154	U	µg/kg	154	152	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 154	U	µg/kg	154	141	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 154	U	µg/kg	154	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 154	U	µg/kg	154	82.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 154	U	µg/kg	154	134	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 154	U	µg/kg	154	69.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 76.9	U	µg/kg	76.9	20.6	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 76.9	U	µg/kg	76.9	30.5	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 76.9	U	µg/kg	76.9	22.2	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 46.2	U	µg/kg	46.2	22.2	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 76.9	U	µg/kg	76.9	25.7	1	"	"	"	"	"	X
309-00-2	Aldrin	< 76.9	U	µg/kg	76.9	23.7	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 76.9	U	µg/kg	76.9	27.2	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 76.9	U	µg/kg	76.9	27.1	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 76.9	U	µg/kg	76.9	27.1	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 76.9	U	µg/kg	76.9	24.3	1	"	"	"	"	"	X
72-20-8	Endrin	< 123	U	µg/kg	123	27.1	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 123	U	µg/kg	123	28.9	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 123	U	µg/kg	123	26.8	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 123	U	µg/kg	123	25.7	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 123	U	µg/kg	123	23.7	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 123	U	µg/kg	123	27.2	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 123	U	µg/kg	123	27.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Acidic SC38763-07	14800.0039	Liquid	30-Aug-17 15:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
7421-93-4	Endrin aldehyde	< 123	U	µg/kg	123	25.7	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
5103-71-9	alpha-Chlordane	< 76.9	U	µg/kg	76.9	26.3	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 76.9	U	µg/kg	76.9	27.7	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1540	U	µg/kg	1540	333	1	"	"	"	"	"	X
57-74-9	Chlordane	< 308	U	µg/kg	308	304	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 76.9	U	µg/kg	76.9	37.7	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*118*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*87*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**7,200**		mg/kg	1.4	0.7	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.72	U	mg/kg	6.72	0.725	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	**8.42**	R06, J	mg/kg	24.6	5.08	1	"	"	"	"	"	X
7440-38-2	Arsenic	**1.57**	J	mg/kg	6.72	0.851	1	"	"	"	"	"	X
7440-39-3	Barium	**1.68**	J	mg/kg	4.48	0.528	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.24	U	mg/kg	2.24	0.112	1	"	"	"	"	"	X
7440-70-2	Calcium	**66.2**	J	mg/kg	112	22.9	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.24	U	mg/kg	2.24	0.116	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.48	U	mg/kg	4.48	0.259	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.605**	J	mg/kg	4.48	0.596	1	"	"	"	"	"	X
7440-50-8	Copper	**2.08**	J	mg/kg	4.48	1.07	1	"	"	"	"	"	X
7439-89-6	Iron	**149**	R06, J	mg/kg	181	9.23	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0287	U	mg/kg	0.0287	0.0080	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**74.8**	J	mg/kg	224	15.6	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 22.4	U	mg/kg	22.4	6.45	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.48	U	mg/kg	4.48	1.14	1	"	"	"	"	"	X
7440-23-5	Sodium	**4,990**	R06	mg/kg	2080	48.1	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.694**	J	mg/kg	4.48	0.515	1	"	"	"	"	"	X
7439-92-1	Lead	**0.985**	J	mg/kg	6.72	0.949	1	"	"	"	"	"	X
7440-36-0	Antimony	< 22.4	U	mg/kg	22.4	1.68	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.72	U	mg/kg	6.72	1.28	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.4	U	mg/kg	13.4	4.94	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.72	U	mg/kg	6.72	1.19	1	"	"	"	"	"	X
7440-66-6	Zinc	**96.9**	R06	mg/kg	4.70	3.47	1	"	"	"	"	"	X
General Chemistry Parameters													
Prepared by method General Preparation SVOC													
16887-00-6	Chloride	**1,510**	GS1, D	mg/kg	297	7.26	30	EPA 300.0	05-Sep-17	06-Sep-17	LNB	1715158	
Prepared by method SW846 9010B													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Acidic SC38763-07	14800.0039	Liquid	30-Aug-17 15:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
Prepared by method SW846 9010B													
57-12-5	Cyanide (amenable)	< 1.00	U	mg/kg	1.00	0.422	1	SW846 9012B	08-Sep-17	08-Sep-17	RLT	1715370	X
57-12-5	Cyanide (total)	< 0.448	U	mg/kg	0.448	0.189	1	"	08-Sep-17	08-Sep-17	"	1715372	X
16984-48-8	Fluoride	**20.2**	R01, J, D	mg/kg	29.7	13.7	30	EPA 300.0	05-Sep-17	06-Sep-17	LNB	1715158	
14797-55-8	Nitrate as N	< 29.7	R01, U, D	mg/kg	29.7	5.86	30	"	"	"	"	"	
	Total Solids	**31,900**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
14808-79-8	Sulfate as SO4	**10,700**	GS1, D	mg/kg	297	240	30	EPA 300.0	05-Sep-17	06-Sep-17	LNB	1715158	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**2.42**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:17	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Prepared by method 400283-SM3500CRB													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
18540-29-9	Chromium, Hexavalent	< 1.0	Q4	mg/L	1.0	1.0	100	SM3500CRB-09, -11	05-Sep-17	05-Sep-17 18:42	CT007	400283A	
Prepared by method 400509-SM4500PE													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
7723-14-0	Phosphorus, as P	< 0.50	Q4	mg/L	0.50	0.50	50	SM4500PE-99,-11	07-Sep-17	07-Sep-17 15:10	CT007	400509A	
Subcontracted Analyses													
Prepared by method 400336-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 10000	Q4	ug/L	10000	10000	1000	SW8151A	06-Sep-17	08-Sep-17 14:27	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 10000	Q4	ug/L	10000	10000	1000	"	"	"	"	"	
94-75-7	2,4-D	< 100000	Q4	ug/L	100000	100000	1000	"	"	"	"	"	
94-82-6	2,4-DB	< 200000	Q4	ug/L	200000	200000	1000	"	"	"	"	"	
75-99-0	Dalapon	< 10000	Q4	ug/L	10000	10000	1000	"	"	"	"	"	
1918-00-9	Dicamba	< 10000	Q4	ug/L	10000	10000	1000	"	"	"	"	"	
120-36-5	Dichloroprop	< 20000	Q4	ug/L	20000	20000	1000	"	"	"	"	"	
88-85-7	Dinoseb	< 20000	Q4	ug/L	20000	20000	1000	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*BRL*	Q7		*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**48.8**		% by Volume		0.10	1	SW846 9000	"	"		"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Basic Chloride	14800.0039	Liquid	30-Aug-17 10:15	01-Sep-17
SC38763-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.93 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 502000	U, D	µg/kg	502000	255000	500000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 5020000	U, D	µg/kg	5020000	2010000	500000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 502000	U, D	µg/kg	502000	483000	500000	"	"	"	"	"	X
71-43-2	Benzene	< 502000	U, D	µg/kg	502000	133000	500000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 502000	U, D	µg/kg	502000	134000	500000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 502000	U, D	µg/kg	502000	254000	500000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 502000	U, D	µg/kg	502000	335000	500000	"	"	"	"	"	X
75-25-2	Bromoform	< 502000	U, D	µg/kg	502000	479000	500000	"	"	"	"	"	X
74-83-9	Bromomethane	< 1000000	U, D	µg/kg	1000000	454000	500000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1000000	U, D	µg/kg	1000000	898000	500000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 502000	U, D	µg/kg	502000	144000	500000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 502000	U, D	µg/kg	502000	91400	500000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 502000	U, D	µg/kg	502000	113000	500000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1000000	U, D	µg/kg	1000000	322000	500000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 502000	U, D	µg/kg	502000	411000	500000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 502000	U, D	µg/kg	502000	157000	500000	"	"	"	"	"	X
75-00-3	Chloroethane	< 1000000	U, D	µg/kg	1000000	279000	500000	"	"	"	"	"	X
67-66-3	Chloroform	< 502000	U, D	µg/kg	502000	270000	500000	"	"	"	"	"	X
74-87-3	Chloromethane	< 1000000	U, D	µg/kg	1000000	207000	500000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 502000	U, D	µg/kg	502000	125000	500000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 502000	U, D	µg/kg	502000	118000	500000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1000000	U, D	µg/kg	1000000	726000	500000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 502000	U, D	µg/kg	502000	341000	500000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 502000	U, D	µg/kg	502000	337000	500000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 502000	U, D	µg/kg	502000	261000	500000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 502000	U, D	µg/kg	502000	131000	500000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 502000	U, D	µg/kg	502000	109000	500000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 502000	U, D	µg/kg	502000	149000	500000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1000000	U, D	µg/kg	1000000	190000	500000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 502000	U, D	µg/kg	502000	132000	500000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 502000	U, D	µg/kg	502000	180000	500000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 502000	U, D	µg/kg	502000	263000	500000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 502000	U, D	µg/kg	502000	186000	500000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 502000	U, D	µg/kg	502000	266000	500000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 502000	U, D	µg/kg	502000	263000	500000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 502000	U, D	µg/kg	502000	260000	500000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 502000	U, D	µg/kg	502000	237000	500000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 502000	U, D	µg/kg	502000	162000	500000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 502000	U, D	µg/kg	502000	303000	500000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 502000	U, D	µg/kg	502000	264000	500000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Basic Chloride	14800.0039	Liquid	30-Aug-17 10:15	01-Sep-17
SC38763-08				

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260 R04

Initial weight: 14.93 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
100-41-4	Ethylbenzene	< 502000	U, D	µg/kg	502000	72300	500000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 502000	U, D	µg/kg	502000	252000	500000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 1000000	U, D	µg/kg	1000000	616000	500000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 502000	U, D	µg/kg	502000	99000	500000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 502000	U, D	µg/kg	502000	108000	500000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 502000	U, D	µg/kg	502000	185000	500000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 1000000	U, D	µg/kg	1000000	258000	500000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1000000	U, D	µg/kg	1000000	199000	500000	"	"	"	"	"	X
91-20-3	Naphthalene	< 502000	U, D	µg/kg	502000	299000	500000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 502000	U, D	µg/kg	502000	81400	500000	"	"	"	"	"	X
100-42-5	Styrene	< 502000	U, D	µg/kg	502000	101000	500000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 502000	U, D	µg/kg	502000	427000	500000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 502000	U, D	µg/kg	502000	425000	500000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 502000	U, D	µg/kg	502000	172000	500000	"	"	"	"	"	X
108-88-3	Toluene	< 502000	U, D	µg/kg	502000	163000	500000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 502000	U, D	µg/kg	502000	176000	500000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 502000	U, D	µg/kg	502000	370000	500000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 502000	U, D	µg/kg	502000	158000	500000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 502000	U, D	µg/kg	502000	167000	500000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 502000	U, D	µg/kg	502000	364000	500000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 502000	U, D	µg/kg	502000	137000	500000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 502000	U, D	µg/kg	502000	271000	500000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 502000	U, D	µg/kg	502000	377000	500000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 502000	U, D	µg/kg	502000	122000	500000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 502000	U, D	µg/kg	502000	86400	500000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 502000	U, D	µg/kg	502000	170000	500000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1000000	U, D	µg/kg	1000000	90400	500000	"	"	"	"	"	X
95-47-6	o-Xylene	< 502000	U, D	µg/kg	502000	141000	500000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1000000	U, D	µg/kg	1000000	792000	500000	"	"	"	"	"	
60-29-7	Ethyl ether	< 502000	U, D	µg/kg	502000	455000	500000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 502000	U, D	µg/kg	502000	168000	500000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 502000	U, D	µg/kg	502000	271000	500000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 502000	U, D	µg/kg	502000	93400	500000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 5020000	U, D	µg/kg	5020000	3290000	500000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 10000000	U, D	µg/kg	10000000	8730000	500000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2510000	U, D	µg/kg	2510000	1150000	500000	"	"	"	"	"	X
64-17-5	Ethanol	< 100000000	U, D	µg/kg	100000000	18700000	500000	"	"	"	"	"	

Surrogate recoveries:

460-00-4	*4-Bromofluorobenzene*	*83*	*70-130 %*	"	"	"	"	"		
2037-26-5	*Toluene-d8*	*108*	*70-130 %*	"	"	"	"	"		
17060-07-0	*1,2-Dichloroethane-d4*	*114*	*70-130 %*	"	"	"	"	"		
1868-53-7	*Dibromofluoromethane*	*109*	*70-130 %*	"	"	"	"	"		

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Basic Chloride	14800.0039	Liquid	30-Aug-17 10:15	01-Sep-17
SC38763-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
							Initial weight: 14.93 g						
	Tentatively Identified Compounds	None found		µg/kg			500000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 17200	U	µg/kg	17200	8550	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 17200	U	µg/kg	17200	8470	1	"	"	"	"	"	X
62-53-3	Aniline	< 85000	U	µg/kg	85000	6100	1	"	"	"	"	"	X
120-12-7	Anthracene	< 17200	U	µg/kg	17200	8210	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 85000	U	µg/kg	85000	8360	1	"	"	"	"	"	
92-87-5	Benzidine	604,000		µg/kg	85000	17100	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 17200	U	µg/kg	17200	9060	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 17200	U	µg/kg	17200	6390	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 17200	U	µg/kg	17200	8320	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 17200	U	µg/kg	17200	6900	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 17200	U	µg/kg	17200	6720	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 85000	U	µg/kg	85000	17800	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 85000	U	µg/kg	85000	6960	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 85000	U	µg/kg	85000	7540	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 43000	U	µg/kg	43000	6160	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 43000	U	µg/kg	43000	6620	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 43000	U	µg/kg	43000	10600	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 85000	U	µg/kg	85000	7960	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 85000	U	µg/kg	85000	9910	1	"	"	"	"	"	X
86-74-8	Carbazole	< 43000	U	µg/kg	43000	24000	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 85000	U	µg/kg	85000	8110	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 43000	U	µg/kg	43000	9300	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 85000	U	µg/kg	85000	7850	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 43000	U	µg/kg	43000	7650	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 85000	U	µg/kg	85000	10100	1	"	"	"	"	"	X
218-01-9	Chrysene	< 17200	U	µg/kg	17200	8570	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 17200	U	µg/kg	17200	6590	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 43000	U	µg/kg	43000	6540	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 85000	U	µg/kg	85000	7420	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 85000	U	µg/kg	85000	7420	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 85000	U	µg/kg	85000	7880	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 85000	U	µg/kg	85000	12900	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 43000	U	µg/kg	43000	8040	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 85000	U	µg/kg	85000	10500	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 85000	U	µg/kg	85000	9300	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 85000	U	µg/kg	85000	6080	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 85000	U	µg/kg	85000	9010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Basic Chloride	14800.0039	Liquid	30-Aug-17 10:15	01-Sep-17
SC38763-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 85000	U	µg/kg	85000	10900	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 85000	U	µg/kg	85000	8650	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 43000	U	µg/kg	43000	16600	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 43000	U	µg/kg	43000	9680	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 85000	U	µg/kg	85000	9600	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 17200	U	µg/kg	17200	9070	1	"	"	"	"	"	X
86-73-7	Fluorene	< 17200	U	µg/kg	17200	8730	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 43000	U	µg/kg	43000	8460	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 43000	U	µg/kg	43000	10300	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 43000	U	µg/kg	43000	5840	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 43000	U	µg/kg	43000	9270	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 17200	U	µg/kg	17200	6180	1	"	"	"	"	"	X
78-59-1	Isophorone	< 43000	U	µg/kg	43000	8060	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 17200	U	µg/kg	17200	10400	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 85000	U	µg/kg	85000	7220	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 85000	U	µg/kg	85000	8210	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 17200	U	µg/kg	17200	8010	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 85000	U	µg/kg	85000	7210	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 85000	U	µg/kg	85000	11600	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 43000	U	µg/kg	43000	13200	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 43000	U	µg/kg	43000	7830	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 43000	U	µg/kg	43000	7130	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 340000	U	µg/kg	340000	13700	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 43000	U	µg/kg	43000	7980	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 43000	U	µg/kg	43000	8370	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 85000	U	µg/kg	85000	9220	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 85000	U	µg/kg	85000	9080	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 17200	U	µg/kg	17200	7990	1	"	"	"	"	"	X
108-95-2	Phenol	< 85000	U	µg/kg	85000	5590	1	"	"	"	"	"	X
129-00-0	Pyrene	< 17200	U	µg/kg	17200	9580	1	"	"	"	"	"	X
110-86-1	Pyridine	< 85000	U	µg/kg	85000	12700	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 85000	U	µg/kg	85000	8420	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 17200	U	µg/kg	17200	8450	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 85000	U	µg/kg	85000	7650	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 43000	U	µg/kg	43000	7670	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 85000	U	µg/kg	85000	13400	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 85000	U	µg/kg	85000	8240	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*92*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*0.2*	S04		*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*91*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*1*	S04		*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*121*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Basic Chloride	14800.0039	Liquid	30-Aug-17 10:15	01-Sep-17
SC38763-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*	*56*			*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 132	U	µg/kg	132	59.3	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 132	U	µg/kg	132	70.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 132	U	µg/kg	132	66.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 132	U	µg/kg	132	131	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 132	U	µg/kg	132	121	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 132	U	µg/kg	132	86.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 132	U	µg/kg	132	70.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 132	U	µg/kg	132	115	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 132	U	µg/kg	132	59.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 66.2	U	µg/kg	66.2	17.7	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 66.2	U	µg/kg	66.2	26.2	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 66.2	U	µg/kg	66.2	19.1	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 39.7	U	µg/kg	39.7	19.1	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 66.2	U	µg/kg	66.2	22.1	1	"	"	"	"	"	X
309-00-2	Aldrin	< 66.2	U	µg/kg	66.2	20.4	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 66.2	U	µg/kg	66.2	23.4	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 66.2	U	µg/kg	66.2	23.3	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 66.2	U	µg/kg	66.2	23.3	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 66.2	U	µg/kg	66.2	20.9	1	"	"	"	"	"	X
72-20-8	Endrin	< 106	U	µg/kg	106	23.3	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 106	U	µg/kg	106	24.9	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 106	U	µg/kg	106	23.0	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 106	U	µg/kg	106	22.1	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 106	U	µg/kg	106	20.4	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 106	U	µg/kg	106	23.4	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 106	U	µg/kg	106	23.8	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 106	U	µg/kg	106	22.1	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 66.2	U	µg/kg	66.2	22.6	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 66.2	U	µg/kg	66.2	23.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Basic Chloride	14800.0039	Liquid	30-Aug-17 10:15	01-Sep-17
SC38763-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
8001-35-2	Toxaphene	< 1320	U	µg/kg	1320	286	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
57-74-9	Chlordane	< 265	U	µg/kg	265	262	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 66.2	U	µg/kg	66.2	32.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC			GS1										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 8470	U, D	mg/kg	8470		5	SW846 8100Mod.	11-Sep-17	12-Sep-17	DJS	1715504	
68476-30-2	Fuel Oil #2	< 8470	U, D	mg/kg	8470	6020	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 8470	U, D	mg/kg	8470		5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 8470	U, D	mg/kg	8470		5	"	"	"	"	"	
M09800000	Motor Oil	< 8470	U, D	mg/kg	8470		5	"	"	"	"	"	
8032-32-4	Ligroin	< 8470	U, D	mg/kg	8470		5	"	"	"	"	"	
J00100000	Aviation Fuel	< 8470	U, D	mg/kg	8470		5	"	"	"	"	"	
	Hydraulic Oil	< 8470	U, D	mg/kg	8470		5	"	"	"	"	"	
	Dielectric Fluid	< 8470	U, D	mg/kg	8470		5	"	"	"	"	"	
	Unidentified	**213,000**	D	mg/kg	8470		5	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg	8470		5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**213,000**	D	mg/kg	8470		5	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*1190*	S02		*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 7.30	U	mg/kg	7.30	0.788	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	**6.08**	R06, J	mg/kg	26.8	5.52	1	"	"	"	"	"	X
7440-38-2	Arsenic	**0.924**	J	mg/kg	7.30	0.924	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.86	U	mg/kg	4.86	0.574	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.43	U	mg/kg	2.43	0.122	1	"	"	"	"	"	X
7440-70-2	Calcium	**45.4**	J	mg/kg	122	24.9	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.43	U	mg/kg	2.43	0.126	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.86	U	mg/kg	4.86	0.282	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.86	U	mg/kg	4.86	0.647	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.86	U	mg/kg	4.86	1.17	1	"	"	"	"	"	X
7439-89-6	Iron	**15.8**	R06, J	mg/kg	197	10.0	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0275	U	mg/kg	0.0275	0.0076	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**14,800**		mg/kg	243	17.0	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	**12.6**	J	mg/kg	24.3	7.00	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Basic Chloride	14800.0039	Liquid	30-Aug-17 10:15	01-Sep-17
SC38763-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7439-96-5	Manganese	< 4.86	U	mg/kg	4.86	1.24	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7440-23-5	Sodium	**43,100**	R06	mg/kg	2260	52.3	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.559**	J	mg/kg	4.86	0.559	1	"	"	"	"	"	X
7439-92-1	Lead	< 7.30	U	mg/kg	7.30	1.03	1	"	"	"	"	"	X
7440-36-0	Antimony	< 24.3	U	mg/kg	24.3	1.83	1	"	"	"	"	"	X
7782-49-2	Selenium	< 7.30	U	mg/kg	7.30	1.39	1	"	"	"	"	"	X
7440-28-0	Thallium	< 14.6	U	mg/kg	14.6	5.36	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 7.30	U	mg/kg	7.30	1.29	1	"	"	"	"	"	X
7440-66-6	Zinc	< 5.11	R06, U	mg/kg	5.11	3.76	1	"	"	"	"	"	X
General Chemistry Parameters													
Prepared by method SW846 9010B													
57-12-5	Cyanide (amenable)	< 3.00	R01, U	mg/kg	3.00	0.422	1	SW846 9012B	08-Sep-17	08-Sep-17	RLT	1715370	X
57-12-5	Cyanide (total)	**0.426**	J	mg/kg	0.493	0.208	1	"	08-Sep-17	08-Sep-17	"	1715372	X
	Total Solids	**317,000**		mg/l	1000	1000	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**13.5**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:22	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		11-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**86.1**		% by Volume		0.10	1	SW846 9000	"	08-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Oxidizer	14800.0039	Liquid	30-Aug-17 09:30	01-Sep-17
SC38763-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R01										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.87 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 504	U, D	µg/kg	504	256	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 5040	U, D	µg/kg	5040	2020	500	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 504	U, D	µg/kg	504	485	500	"	"	"	"	"	X
71-43-2	Benzene	< 504	U, D	µg/kg	504	134	500	"	"	"	"	"	X
108-86-1	Bromobenzene	< 504	U, D	µg/kg	504	135	500	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 504	U, D	µg/kg	504	255	500	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 504	U, D	µg/kg	504	336	500	"	"	"	"	"	X
75-25-2	Bromoform	< 504	U, D	µg/kg	504	481	500	"	"	"	"	"	X
74-83-9	Bromomethane	< 1010	U, D	µg/kg	1010	455	500	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1010	U, D	µg/kg	1010	902	500	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 504	U, D	µg/kg	504	144	500	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 504	U, D	µg/kg	504	91.8	500	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 504	U, D	µg/kg	504	113	500	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1010	U, D	µg/kg	1010	323	500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 504	U, D	µg/kg	504	413	500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 504	U, D	µg/kg	504	158	500	"	"	"	"	"	X
75-00-3	Chloroethane	< 1010	U, D	µg/kg	1010	280	500	"	"	"	"	"	X
67-66-3	Chloroform	< 504	U, D	µg/kg	504	271	500	"	"	"	"	"	X
74-87-3	Chloromethane	< 1010	U, D	µg/kg	1010	208	500	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 504	U, D	µg/kg	504	126	500	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 504	U, D	µg/kg	504	119	500	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1010	U, D	µg/kg	1010	729	500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 504	U, D	µg/kg	504	342	500	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 504	U, D	µg/kg	504	338	500	"	"	"	"	"	X
74-95-3	Dibromomethane	< 504	U, D	µg/kg	504	262	500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 504	U, D	µg/kg	504	131	500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 504	U, D	µg/kg	504	109	500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 504	U, D	µg/kg	504	149	500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1010	U, D	µg/kg	1010	191	500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 504	U, D	µg/kg	504	132	500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 504	U, D	µg/kg	504	181	500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 504	U, D	µg/kg	504	264	500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 504	U, D	µg/kg	504	187	500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 504	U, D	µg/kg	504	267	500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 504	U, D	µg/kg	504	264	500	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 504	U, D	µg/kg	504	261	500	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 504	U, D	µg/kg	504	238	500	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 504	U, D	µg/kg	504	162	500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 504	U, D	µg/kg	504	304	500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 504	U, D	µg/kg	504	265	500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Oxidizer	14800.0039	Liquid	30-Aug-17 09:30	01-Sep-17
SC38763-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R01										
						Initial weight: 14.87 g							
100-41-4	Ethylbenzene	< 504	U, D	µg/kg	504	72.6	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 504	U, D	µg/kg	504	253	500	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 1010	U, D	µg/kg	1010	619	500	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 504	U, D	µg/kg	504	99.4	500	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 504	U, D	µg/kg	504	108	500	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 504	U, D	µg/kg	504	186	500	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 1010	U, D	µg/kg	1010	259	500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1010	U, D	µg/kg	1010	200	500	"	"	"	"	"	X
91-20-3	Naphthalene	< 504	U, D	µg/kg	504	300	500	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 504	U, D	µg/kg	504	81.7	500	"	"	"	"	"	X
100-42-5	Styrene	< 504	U, D	µg/kg	504	101	500	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 504	U, D	µg/kg	504	429	500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 504	U, D	µg/kg	504	427	500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 504	U, D	µg/kg	504	172	500	"	"	"	"	"	X
108-88-3	Toluene	< 504	U, D	µg/kg	504	163	500	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 504	U, D	µg/kg	504	177	500	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 504	U, D	µg/kg	504	372	500	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 504	U, D	µg/kg	504	158	500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 504	U, D	µg/kg	504	167	500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 504	U, D	µg/kg	504	366	500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 504	U, D	µg/kg	504	138	500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 504	U, D	µg/kg	504	272	500	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 504	U, D	µg/kg	504	378	500	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 504	U, D	µg/kg	504	123	500	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 504	U, D	µg/kg	504	86.8	500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 504	U, D	µg/kg	504	170	500	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1010	U, D	µg/kg	1010	90.8	500	"	"	"	"	"	X
95-47-6	o-Xylene	< 504	U, D	µg/kg	504	141	500	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1010	U, D	µg/kg	1010	795	500	"	"	"	"	"	
60-29-7	Ethyl ether	< 504	U, D	µg/kg	504	457	500	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 504	U, D	µg/kg	504	168	500	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 504	U, D	µg/kg	504	272	500	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 504	U, D	µg/kg	504	93.8	500	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 5040	U, D	µg/kg	5040	3300	500	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 10100	U, D	µg/kg	10100	8760	500	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2520	U, D	µg/kg	2520	1150	500	"	"	"	"	"	X
64-17-5	Ethanol	< 101000	U, D	µg/kg	101000	18800	500	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*83*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Oxidizer	14800.0039	Liquid	30-Aug-17 09:30	01-Sep-17
SC38763-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
							Initial weight: 14.87 g						
	Tentatively Identified Compounds	None found		µg/kg			500	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 15700	U	µg/kg	15700	7820	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 15700	U	µg/kg	15700	7750	1	"	"	"	"	"	X
62-53-3	Aniline	< 77700	U	µg/kg	77700	5580	1	"	"	"	"	"	X
120-12-7	Anthracene	< 15700	U	µg/kg	15700	7510	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 77700	U	µg/kg	77700	7640	1	"	"	"	"	"	
92-87-5	Benzidine	85,900		µg/kg	77700	15600	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 15700	U	µg/kg	15700	8290	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 15700	U	µg/kg	15700	5850	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 15700	U	µg/kg	15700	7610	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 15700	U	µg/kg	15700	6310	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 15700	U	µg/kg	15700	6150	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 77700	U	µg/kg	77700	16300	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 77700	U	µg/kg	77700	6370	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 77700	U	µg/kg	77700	6900	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 39300	U	µg/kg	39300	5630	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 39300	U	µg/kg	39300	6050	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 39300	U	µg/kg	39300	9710	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 77700	U	µg/kg	77700	7280	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 77700	U	µg/kg	77700	9070	1	"	"	"	"	"	X
86-74-8	Carbazole	< 39300	U	µg/kg	39300	21900	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 77700	U	µg/kg	77700	7420	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 39300	U	µg/kg	39300	8500	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 77700	U	µg/kg	77700	7180	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 39300	U	µg/kg	39300	7000	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 77700	U	µg/kg	77700	9230	1	"	"	"	"	"	X
218-01-9	Chrysene	< 15700	U	µg/kg	15700	7840	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 15700	U	µg/kg	15700	6030	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 39300	U	µg/kg	39300	5980	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 77700	U	µg/kg	77700	6780	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 77700	U	µg/kg	77700	6780	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 77700	U	µg/kg	77700	7210	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 77700	U	µg/kg	77700	11800	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 39300	U	µg/kg	39300	7350	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 77700	U	µg/kg	77700	9610	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 77700	U	µg/kg	77700	8500	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 77700	U	µg/kg	77700	5560	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 77700	U	µg/kg	77700	8240	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Oxidizer	14800.0039	Liquid	30-Aug-17 09:30	01-Sep-17
SC38763-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 77700	U	µg/kg	77700	9980	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 77700	U	µg/kg	77700	7920	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 39300	U	µg/kg	39300	15200	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 39300	U	µg/kg	39300	8860	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 77700	U	µg/kg	77700	8780	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 15700	U	µg/kg	15700	8300	1	"	"	"	"	"	X
86-73-7	Fluorene	< 15700	U	µg/kg	15700	7990	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 39300	U	µg/kg	39300	7740	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 39300	U	µg/kg	39300	9400	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 39300	U	µg/kg	39300	5350	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 39300	U	µg/kg	39300	8480	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 15700	U	µg/kg	15700	5650	1	"	"	"	"	"	X
78-59-1	Isophorone	< 39300	U	µg/kg	39300	7370	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 15700	U	µg/kg	15700	9490	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 77700	U	µg/kg	77700	6610	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 77700	U	µg/kg	77700	7510	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 15700	U	µg/kg	15700	7330	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 77700	U	µg/kg	77700	6600	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 77700	U	µg/kg	77700	10600	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 39300	U	µg/kg	39300	12100	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 39300	U	µg/kg	39300	7160	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 39300	U	µg/kg	39300	6530	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 311000	U	µg/kg	311000	12600	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 39300	U	µg/kg	39300	7300	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 39300	U	µg/kg	39300	7660	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 77700	U	µg/kg	77700	8430	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 77700	U	µg/kg	77700	8310	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 15700	U	µg/kg	15700	7310	1	"	"	"	"	"	X
108-95-2	Phenol	< 77700	U	µg/kg	77700	5120	1	"	"	"	"	"	X
129-00-0	Pyrene	< 15700	U	µg/kg	15700	8760	1	"	"	"	"	"	X
110-86-1	Pyridine	< 77700	U	µg/kg	77700	11600	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 77700	U	µg/kg	77700	7700	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 15700	U	µg/kg	15700	7730	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 77700	U	µg/kg	77700	7000	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 39300	U	µg/kg	39300	7020	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 77700	U	µg/kg	77700	12300	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 77700	U	µg/kg	77700	7540	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*83*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*84*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*100*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*86*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*94*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Oxidizer	14800.0039	Liquid	30-Aug-17 09:30	01-Sep-17
SC38763-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*	*129*			*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 152	U	µg/kg	152	68.3	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 152	U	µg/kg	152	81.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 152	U	µg/kg	152	76.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 152	U	µg/kg	152	150	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 152	U	µg/kg	152	139	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 152	U	µg/kg	152	99.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 152	U	µg/kg	152	81.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 152	U	µg/kg	152	133	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 152	U	µg/kg	152	68.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 76.2	U	µg/kg	76.2	20.4	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 76.2	U	µg/kg	76.2	30.2	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 76.2	U	µg/kg	76.2	21.9	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 45.7	U	µg/kg	45.7	21.9	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 76.2	U	µg/kg	76.2	25.5	1	"	"	"	"	"	X
309-00-2	Aldrin	< 76.2	U	µg/kg	76.2	23.5	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 76.2	U	µg/kg	76.2	27.0	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 76.2	U	µg/kg	76.2	26.8	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 76.2	U	µg/kg	76.2	26.8	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 76.2	U	µg/kg	76.2	24.1	1	"	"	"	"	"	X
72-20-8	Endrin	< 122	U	µg/kg	122	26.8	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 122	U	µg/kg	122	28.7	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 122	U	µg/kg	122	26.5	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 122	U	µg/kg	122	25.5	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 122	U	µg/kg	122	23.5	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 122	U	µg/kg	122	27.0	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 122	U	µg/kg	122	27.4	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 122	U	µg/kg	122	25.5	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 76.2	U	µg/kg	76.2	26.1	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 76.2	U	µg/kg	76.2	27.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Oxidizer	14800.0039	Liquid	30-Aug-17 09:30	01-Sep-17
SC38763-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
8001-35-2	Toxaphene	< 1520	U	µg/kg	1520	330	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
57-74-9	Chlordane	< 305	U	µg/kg	305	301	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 76.2	U	µg/kg	76.2	37.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**77.6**		mg/kg	1.3	0.7	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.52	U	mg/kg	6.52	0.704	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 23.9	R06, U	mg/kg	23.9	4.93	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.52	U	mg/kg	6.52	0.825	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.34	U	mg/kg	4.34	0.513	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.17	U	mg/kg	2.17	0.109	1	"	"	"	"	"	X
7440-70-2	Calcium	**176**		mg/kg	109	22.2	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.17	U	mg/kg	2.17	0.113	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.34	U	mg/kg	4.34	0.252	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.34	U	mg/kg	4.34	0.578	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.34	U	mg/kg	4.34	1.04	1	"	"	"	"	"	X
7439-89-6	Iron	< 176	R06, U	mg/kg	176	8.95	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0270	U	mg/kg	0.0270	0.0075	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**72.4**	J	mg/kg	217	15.1	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	**22.7**		mg/kg	21.7	6.26	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.34	U	mg/kg	4.34	1.11	1	"	"	"	"	"	X
7440-23-5	Sodium	**160**	R06, J	mg/kg	2020	46.7	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.34	U	mg/kg	4.34	0.500	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.52	U	mg/kg	6.52	0.921	1	"	"	"	"	"	X
7440-36-0	Antimony	< 21.7	U	mg/kg	21.7	1.63	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.52	U	mg/kg	6.52	1.24	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.0	U	mg/kg	13.0	4.79	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.52	U	mg/kg	6.52	1.16	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.56	R06, U	mg/kg	4.56	3.36	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	< 500	U	mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**7.82**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:30	BD	1715033	X
Reactivity Cyanide/Sulfide													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Oxidizer SC38763-09	14800.0039	Liquid	30-Aug-17 09:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Toxicity Characteristics													
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 400336-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 100	Q4	ug/L	100	100	10	SW8151A	06-Sep-17	08-Sep-17 13:29	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 100	Q4	ug/L	100	100	10	"	"	"	"	"	
94-75-7	2,4-D	< 200	Q4	ug/L	200	200	10	"	"	"	"	"	
94-82-6	2,4-DB	< 2000	Q4	ug/L	2000	2000	10	"	"	"	"	"	
75-99-0	Dalapon	< 100	Q4	ug/L	100	100	10	"	"	"	"	"	
1918-00-9	Dicamba	< 100	Q4	ug/L	100	100	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 200	Q4	ug/L	200	200	10	"	"	"	"	"	
88-85-7	Dinoseb	< 200	Q4	ug/L	200	200	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*127*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Total Organic Halides	**See Report**		mg/L			1	EPA 9020		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**>95**		% by Volume		0.10	1	SW846 9000	"	"		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic Solid SC38763-10	14800.0039	Solid	29-Aug-17 16:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 27.8	U	µg/kg dry	27.8	12.4	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715331	X
11104-28-2	Aroclor-1221	< 27.8	U	µg/kg dry	27.8	14.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 27.8	U	µg/kg dry	27.8	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 27.8	U	µg/kg dry	27.8	27.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 27.8	U	µg/kg dry	27.8	25.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 27.8	U	µg/kg dry	27.8	18.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 27.8	U	µg/kg dry	27.8	14.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 27.8	U	µg/kg dry	27.8	24.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.8	U	µg/kg dry	27.8	12.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons Prepared by method SW846 3550C													
	Non-polar material (SGT-HEM)	**167,000**		mg/kg dry	110	55.9	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715448	
General Chemistry Parameters Prepared by method SW846 9010B													
57-12-5	Cyanide (amenable)	< 1.42	U	mg/kg dry	1.42	0.600	1	SW846 9012B	08-Sep-17	08-Sep-17	RLT	1715374	X
57-12-5	Cyanide (total)	< 0.331	U	mg/kg dry	0.331	0.279	1	"	08-Sep-17	08-Sep-17	"	1715376	X
Prepared by method General Preparation SVOC													
	Moisture	**29.7**		%			1	SM2540 G (11) Mod. calculation	06-Sep-17	06-Sep-17	CMB	1715214	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	Free Liquid	**Absent**		N/A			1	SW846 9095B	01-Sep-17	02-Sep-17	BD	1715092	X
	pH	**6.55**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:35	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg dry			1	SW846 Ch. 7.3	05-Sep-17	05-Sep-17	TN	1715176	
57-12-5	Reactive Cyanide	< 24.9	U	mg/kg dry	24.9	24.9	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 49.9	U	mg/kg dry	49.9	49.9	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses Prepared by method 400328-													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
7440-38-2	TCLP Arsenic	< 0.10		mg/L	0.10	0.10	1	SW6010C	06-Sep-17	07-Sep-17 05:13	CT007	400328A	
7440-39-3	TCLP Barium	< 0.10		mg/L	0.10	0.10	1	"	"	"	"	"	
7440-43-9	TCLP Cadmium	< 0.050		mg/L	0.050	0.050	1	"	"	07-Sep-17 20:41	"	"	
7440-47-3	TCLP Chromium	< 0.10		mg/L	0.10	0.10	1	"	"	07-Sep-17 05:13	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic Solid SC38763-10	14800.0039	Solid	29-Aug-17 16:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
7439-92-1	TCLP Lead	< 0.10		mg/L	0.10	0.10	1	SW6010C	06-Sep-17	07-Sep-17 20:41	CT007	400328A	
7782-49-2	TCLP Selenium	< 0.10		mg/L	0.10	0.10	1	"	"	07-Sep-17 05:13	"	"	
7440-22-4	TCLP Silver	< 0.10		mg/L	0.10	0.10	1	"	"	"	"	"	
Prepared by method 400334-													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
7439-97-6	TCLP Mercury	< 0.0002		mg/L	0.0002	0.0002	1	SW7470A	"	06-Sep-17 13:38	CT007	400334A	
Subcontracted Analyses													
Prepared by method 400440-													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
72-20-8	Endrin	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	SW8081B	"	07-Sep-17 12:01	CT007	400440A	
7421-93-4	Endrin Aldehyde	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	"	"	"	"	"	
58-89-9	g-BHC (Lindane)	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
76-44-8	Heptachlor	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
1024-57-3	Heptachlor epoxide	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
72-43-5	Methoxychlor	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
8001-35-2	Toxaphene	< 20	Q2, Q7	ug/L	20	20	10	"	"	"	"	"	
72-54-8	4,4' -DDD	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	"	"	"	"	"	
72-55-9	4,4' -DDE	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	"	"	"	"	"	
50-29-3	4,4' -DDT	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	"	"	"	"	"	
319-84-6	a-BHC	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
15972-60-8	Alachlor	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
309-00-2	Aldrin	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
319-85-7	b-BHC	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
57-74-9	Chlordane	< 5.0	Q2, Q7	ug/L	5.0	5.0	10	"	"	"	"	"	
319-86-8	d-BHC	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
60-57-1	Dieldrin	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	"	"	"	"	"	
959-98-8	Endosulfan I	< 0.50	Q2, Q7	ug/L	0.50	0.50	10	"	"	"	"	"	
33213-65-9	Endosulfan II	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	"	"	"	"	"	
1031-07-8	Endosulfan Sulfate	< 1.0	Q2, Q7	ug/L	1.0	1.0	10	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*%DCBP (Surrogate Rec)*	*78*			*30-150 %*			"	"	"	"	"	
877-09-8	*%TCMX (Surrogate Rec)*	*87*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method 400332-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-72-1	2,4,5-TP (Silvex)	< 8.3		ug/L	8.3	8.3	10	SW8151A	"	07-Sep-17 14:33	CT007	400332A	
94-75-7	2,4-D	< 17		ug/L	17	17	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*62*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method 400657-													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic Solid SC38763-10	14800.0039	Solid	29-Aug-17 16:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method 400657-													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
75-35-4	1,1-Dichloroethene	< 50		ug/L	50	50	10	SW8260C	29-Aug-17 16:30	07-Sep-17 20:15	CT007	400657A	
107-06-2	1,2-Dichloroethane	< 50		ug/L	50	50	10	"	"	"	"	"	
71-43-2	Benzene	< 50		ug/L	50	50	10	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 50		ug/L	50	50	10	"	"	"	"	"	
108-90-7	Chlorobenzene	< 50		ug/L	50	50	10	"	"	"	"	"	
67-66-3	Chloroform	< 50		ug/L	50	50	10	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 50		ug/L	50	50	10	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 50		ug/L	50	50	10	"	"	"	"	"	
79-01-6	Trichloroethene	< 50		ug/L	50	50	10	"	"	"	"	"	
75-01-4	Vinyl chloride	< 50		ug/L	50	50	10	"	"	"	"	"	
Surrogate recoveries:													
2199-69-1	*% 1,2-dichlorobenzene-d4*	*100*			*70-130 %*			"	"	"	"	"	
460-00-4	*% Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*% Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*% Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
Subcontracted Analyses Prepared by method 400439-													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
106-46-7	1,4-Dichlorobenzene	< 83	Q8	ug/L	83	83	1	SW8270D	06-Sep-17	07-Sep-17 14:47	CT007	400439A	
95-95-4	2,4,5-Trichlorophenol	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
95-48-7	2-Methylphenol (o-cresol)	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
	3&4-Methylphenol (m&p-Cresol)	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
67-72-1	Hexachloroethane	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
98-95-3	Nitrobenzene	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
110-86-1	Pyridine	< 83	Q8	ug/L	83	83	1	"	"	"	"	"	
Surrogate recoveries:													
118-79-6	*% 2,4,6-Tribromophenol*	*113*	Q8		*15-110 %*			"	"	"	"	"	
321-60-8	*% 2-Fluorobiphenyl*	*93*	Q8		*30-130 %*			"	"	"	"	"	
367-12-4	*% 2-Fluorophenol*	*72*	Q8		*15-110 %*			"	"	"	"	"	
4165-60-0	*% Nitrobenzene-d5*	*89*	Q8		*30-130 %*			"	"	"	"	"	
4165-62-2	*% Phenol-d5*	*78*	Q8		*15-110 %*			"	"	"	"	"	
98904-43-9	*% Terphenyl-d14*	*95*	Q8		*30-130 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		11-Sep-17	11777	'[none]'	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 1	14800.0039	Liquid	30-Aug-17 12:45	01-Sep-17
SC38763-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.83 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 202000	U, D	µg/kg	202000	103000	200000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
67-64-1	Acetone	< 2020000	U, D	µg/kg	2020000	809000	200000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 202000	U, D	µg/kg	202000	194000	200000	"	"	"	"	"	X
71-43-2	Benzene	< 202000	U, D	µg/kg	202000	53600	200000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 202000	U, D	µg/kg	202000	54000	200000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 202000	U, D	µg/kg	202000	102000	200000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 202000	U, D	µg/kg	202000	135000	200000	"	"	"	"	"	X
75-25-2	Bromoform	< 202000	U, D	µg/kg	202000	193000	200000	"	"	"	"	"	X
74-83-9	Bromomethane	< 405000	U, D	µg/kg	405000	183000	200000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 405000	U, D	µg/kg	405000	362000	200000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 202000	U, D	µg/kg	202000	57900	200000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 202000	U, D	µg/kg	202000	36800	200000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 202000	U, D	µg/kg	202000	45300	200000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 405000	U, D	µg/kg	405000	129000	200000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 202000	U, D	µg/kg	202000	165000	200000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 202000	U, D	µg/kg	202000	63300	200000	"	"	"	"	"	X
75-00-3	Chloroethane	< 405000	U, D	µg/kg	405000	112000	200000	"	"	"	"	"	X
67-66-3	Chloroform	< 202000	U, D	µg/kg	202000	109000	200000	"	"	"	"	"	X
74-87-3	Chloromethane	< 405000	U, D	µg/kg	405000	83500	200000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 202000	U, D	µg/kg	202000	50400	200000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 202000	U, D	µg/kg	202000	47500	200000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 405000	U, D	µg/kg	405000	292000	200000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 202000	U, D	µg/kg	202000	137000	200000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 202000	U, D	µg/kg	202000	136000	200000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 202000	U, D	µg/kg	202000	105000	200000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 202000	U, D	µg/kg	202000	52600	200000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 202000	U, D	µg/kg	202000	43900	200000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 202000	U, D	µg/kg	202000	59900	200000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 405000	U, D	µg/kg	405000	76700	200000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 202000	U, D	µg/kg	202000	53000	200000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 202000	U, D	µg/kg	202000	72400	200000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 202000	U, D	µg/kg	202000	106000	200000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 202000	U, D	µg/kg	202000	75100	200000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 202000	U, D	µg/kg	202000	107000	200000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 202000	U, D	µg/kg	202000	106000	200000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 202000	U, D	µg/kg	202000	105000	200000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 202000	U, D	µg/kg	202000	95500	200000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 202000	U, D	µg/kg	202000	65100	200000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 202000	U, D	µg/kg	202000	122000	200000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 202000	U, D	µg/kg	202000	106000	200000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 1	14800.0039	Liquid	30-Aug-17 12:45	01-Sep-17
SC38763-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R04										
						Initial weight: 14.83 g							
100-41-4	Ethylbenzene	< 202000	U, D	µg/kg	202000	29100	200000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
87-68-3	Hexachlorobutadiene	< 202000	U, D	µg/kg	202000	102000	200000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 405000	U, D	µg/kg	405000	248000	200000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 202000	U, D	µg/kg	202000	39900	200000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 202000	U, D	µg/kg	202000	43500	200000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 202000	U, D	µg/kg	202000	74400	200000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 405000	U, D	µg/kg	405000	104000	200000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 405000	U, D	µg/kg	405000	80300	200000	"	"	"	"	"	X
91-20-3	Naphthalene	< 202000	U, D	µg/kg	202000	120000	200000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 202000	U, D	µg/kg	202000	32800	200000	"	"	"	"	"	X
100-42-5	Styrene	< 202000	U, D	µg/kg	202000	40700	200000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 202000	U, D	µg/kg	202000	172000	200000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 202000	U, D	µg/kg	202000	171000	200000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 202000	U, D	µg/kg	202000	69200	200000	"	"	"	"	"	X
108-88-3	Toluene	< 202000	U, D	µg/kg	202000	65500	200000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 202000	U, D	µg/kg	202000	71000	200000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 202000	U, D	µg/kg	202000	149000	200000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 202000	U, D	µg/kg	202000	63500	200000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 202000	U, D	µg/kg	202000	67200	200000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 202000	U, D	µg/kg	202000	147000	200000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 202000	U, D	µg/kg	202000	55200	200000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 202000	U, D	µg/kg	202000	109000	200000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 202000	U, D	µg/kg	202000	152000	200000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 202000	U, D	µg/kg	202000	49200	200000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 202000	U, D	µg/kg	202000	34800	200000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 202000	U, D	µg/kg	202000	68400	200000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 405000	U, D	µg/kg	405000	36400	200000	"	"	"	"	"	X
95-47-6	o-Xylene	< 202000	U, D	µg/kg	202000	56600	200000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 405000	U, D	µg/kg	405000	319000	200000	"	"	"	"	"	
60-29-7	Ethyl ether	< 202000	U, D	µg/kg	202000	183000	200000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 202000	U, D	µg/kg	202000	67600	200000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 202000	U, D	µg/kg	202000	109000	200000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 202000	U, D	µg/kg	202000	37600	200000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 2020000	U, D	µg/kg	2020000	1320000	200000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 4050000	U, D	µg/kg	4050000	3510000	200000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 1010000	U, D	µg/kg	1010000	462000	200000	"	"	"	"	"	X
64-17-5	Ethanol	< 40500000	U, D	µg/kg	40500000	7550000	200000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*83*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*110*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 1	14800.0039	Liquid	30-Aug-17 12:45	01-Sep-17
SC38763-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS			R04										
							Initial weight: 14.83 g						
	Tentatively Identified Compounds	None found		µg/kg			200000	SW846 8260C TICs	11-Sep-17	12-Sep-17	MP	1715503	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C			R01										
83-32-9	Acenaphthene	< 168000	U, D	µg/kg	168000	83500	10	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 168000	U, D	µg/kg	168000	82700	10	"	"	"	"	"	X
62-53-3	Aniline	< 830000	U, D	µg/kg	830000	59600	10	"	"	"	"	"	X
120-12-7	Anthracene	< 168000	U, D	µg/kg	168000	80200	10	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 830000	U, D	µg/kg	830000	81600	10	"	"	"	"	"	
92-87-5	Benzidine	< 830000	U, D	µg/kg	830000	167000	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 168000	U, D	µg/kg	168000	88500	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 168000	U, D	µg/kg	168000	62400	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 168000	U, D	µg/kg	168000	81200	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 168000	U, D	µg/kg	168000	67400	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 168000	U, D	µg/kg	168000	65600	10	"	"	"	"	"	X
65-85-0	Benzoic acid	< 830000	U, D	µg/kg	830000	174000	10	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 830000	U, D	µg/kg	830000	67900	10	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 830000	U, D	µg/kg	830000	73700	10	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 420000	U, D	µg/kg	420000	60100	10	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 420000	U, D	µg/kg	420000	64600	10	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 420000	U, D	µg/kg	420000	104000	10	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 830000	U, D	µg/kg	830000	77700	10	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 830000	U, D	µg/kg	830000	96800	10	"	"	"	"	"	X
86-74-8	Carbazole	< 420000	U, D	µg/kg	420000	234000	10	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 830000	U, D	µg/kg	830000	79200	10	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 420000	U, D	µg/kg	420000	90800	10	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 830000	U, D	µg/kg	830000	76700	10	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 420000	U, D	µg/kg	420000	74700	10	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 830000	U, D	µg/kg	830000	98600	10	"	"	"	"	"	X
218-01-9	Chrysene	< 168000	U, D	µg/kg	168000	83700	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 168000	U, D	µg/kg	168000	64400	10	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 420000	U, D	µg/kg	420000	63900	10	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 830000	U, D	µg/kg	830000	72400	10	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 830000	U, D	µg/kg	830000	72400	10	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 830000	U, D	µg/kg	830000	76900	10	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 830000	U, D	µg/kg	830000	126000	10	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 420000	U, D	µg/kg	420000	78500	10	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 830000	U, D	µg/kg	830000	103000	10	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 830000	U, D	µg/kg	830000	90800	10	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 830000	U, D	µg/kg	830000	59300	10	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 830000	U, D	µg/kg	830000	88000	10	"	"	"	"	"	X

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Inorganic 1	14800.0039	Liquid	30-Aug-17 12:45	01-Sep-17
SC38763-11				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
534-52-1	4,6-Dinitro-2-methylphenol	< 830000	U, D	µg/kg	830000	107000	10	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 830000	U, D	µg/kg	830000	84500	10	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 420000	U, D	µg/kg	420000	162000	10	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 420000	U, D	µg/kg	420000	94500	10	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 830000	U, D	µg/kg	830000	93800	10	"	"	"	"	"	X
206-44-0	Fluoranthene	< 168000	U, D	µg/kg	168000	88600	10	"	"	"	"	"	X
86-73-7	Fluorene	< 168000	U, D	µg/kg	168000	85200	10	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 420000	U, D	µg/kg	420000	82600	10	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 420000	U, D	µg/kg	420000	100000	10	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 420000	U, D	µg/kg	420000	57100	10	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 420000	U, D	µg/kg	420000	90500	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 168000	U, D	µg/kg	168000	60300	10	"	"	"	"	"	X
78-59-1	Isophorone	< 420000	U, D	µg/kg	420000	78700	10	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 168000	U, D	µg/kg	168000	101000	10	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 830000	U, D	µg/kg	830000	70500	10	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 830000	U, D	µg/kg	830000	80200	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 168000	U, D	µg/kg	168000	78200	10	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 830000	U, D	µg/kg	830000	70400	10	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 830000	U, D	µg/kg	830000	113000	10	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 420000	U, D	µg/kg	420000	129000	10	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 420000	U, D	µg/kg	420000	76400	10	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 420000	U, D	µg/kg	420000	69600	10	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 3320000	U, D	µg/kg	3320000	134000	10	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 420000	U, D	µg/kg	420000	77900	10	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 420000	U, D	µg/kg	420000	81800	10	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 830000	U, D	µg/kg	830000	90000	10	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 830000	U, D	µg/kg	830000	88700	10	"	"	"	"	"	X
85-01-8	Phenanthrene	< 168000	U, D	µg/kg	168000	78000	10	"	"	"	"	"	X
108-95-2	Phenol	< 830000	U, D	µg/kg	830000	54600	10	"	"	"	"	"	X
129-00-0	Pyrene	< 168000	U, D	µg/kg	168000	93500	10	"	"	"	"	"	X
110-86-1	Pyridine	< 830000	U, D	µg/kg	830000	124000	10	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 830000	U, D	µg/kg	830000	82200	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 168000	U, D	µg/kg	168000	82500	10	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 830000	U, D	µg/kg	830000	74700	10	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 420000	U, D	µg/kg	420000	74900	10	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 830000	U, D	µg/kg	830000	131000	10	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 830000	U, D	µg/kg	830000	80500	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*94*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*94*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*108*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*82*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*124*			*30-130 %*			"	"	"	"	"	

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Inorganic 1	14800.0039	Liquid	30-Aug-17 12:45	01-Sep-17
SC38763-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
118-79-6	*2,4,6-Tribromophenol*	*600*	SAC		*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
3891-98-3	Dodecane, 2,6,10-trimethyl-	**835,000**	J N, D	µg/l			10	SW846 8270D TICS	"	"	MSL	"	
000128-39-2	Phenol, 2,6-bis(1,1-dimethy...	**1,200,000**	J N, D	µg/l			10	"	"	"	"	"	
57-55-6	Propylene glycol	**433,000**	J N, D	µg/l			10	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 171	U	µg/kg	171	76.6	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 171	U	µg/kg	171	91.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 171	U	µg/kg	171	85.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 171	U	µg/kg	171	169	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 171	U	µg/kg	171	156	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 171	U	µg/kg	171	112	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**2,420**		µg/kg	171	91.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 171	U	µg/kg	171	149	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 171	U	µg/kg	171	77.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*3800*	S02		*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 85.5	U	µg/kg	85.5	22.9	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 85.5	U	µg/kg	85.5	33.9	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 85.5	U	µg/kg	85.5	24.6	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 51.3	U	µg/kg	51.3	24.6	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 85.5	U	µg/kg	85.5	28.6	1	"	"	"	"	"	X
309-00-2	Aldrin	< 85.5	U	µg/kg	85.5	26.3	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 85.5	U	µg/kg	85.5	30.3	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 85.5	U	µg/kg	85.5	30.1	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 85.5	U	µg/kg	85.5	30.1	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 85.5	U	µg/kg	85.5	27.0	1	"	"	"	"	"	X
72-20-8	Endrin	< 137	U	µg/kg	137	30.1	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 137	U	µg/kg	137	32.2	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 137	U	µg/kg	137	29.8	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 137	U	µg/kg	137	28.6	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 137	U	µg/kg	137	26.3	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 137	U	µg/kg	137	30.3	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 137	U	µg/kg	137	30.8	1	"	"	"	"	"	X

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SC38763-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
7421-93-4	Endrin aldehyde	< 137	U	µg/kg	137	28.6	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
5103-71-9	alpha-Chlordane	< 85.5	U	µg/kg	85.5	29.3	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 85.5	U	µg/kg	85.5	30.8	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1710	U	µg/kg	1710	370	1	"	"	"	"	"	X
57-74-9	Chlordane	< 342	U	µg/kg	342	338	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 85.5	U	µg/kg	85.5	41.9	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**41,600**		mg/kg	1.4	0.7	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 7.01	U	mg/kg	7.01	0.757	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	**6.66**	R06, J	mg/kg	25.7	5.30	1	"	"	"	"	"	X
7440-38-2	Arsenic	**0.911**	J	mg/kg	7.01	0.888	1	"	"	"	"	"	X
7440-39-3	Barium	**4.21**	J	mg/kg	4.67	0.551	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.34	U	mg/kg	2.34	0.117	1	"	"	"	"	"	X
7440-70-2	Calcium	**65.7**	J	mg/kg	117	23.9	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.34	U	mg/kg	2.34	0.121	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.67	U	mg/kg	4.67	0.271	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.67	U	mg/kg	4.67	0.621	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.67	U	mg/kg	4.67	1.12	1	"	"	"	"	"	X
7439-89-6	Iron	**21.0**	R06, J	mg/kg	189	9.63	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0279	U	mg/kg	0.0279	0.0078	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**150**	J	mg/kg	234	16.3	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 23.4	U	mg/kg	23.4	6.73	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.67	U	mg/kg	4.67	1.19	1	"	"	"	"	"	X
7440-23-5	Sodium	**8,120**	R06	mg/kg	2170	50.2	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.67	U	mg/kg	4.67	0.537	1	"	"	"	"	"	X
7439-92-1	Lead	< 7.01	U	mg/kg	7.01	0.991	1	"	"	"	"	"	X
7440-36-0	Antimony	< 23.4	U	mg/kg	23.4	1.76	1	"	"	"	"	"	X
7782-49-2	Selenium	< 7.01	U	mg/kg	7.01	1.34	1	"	"	"	"	"	X
7440-28-0	Thallium	< 14.0	U	mg/kg	14.0	5.15	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 7.01	U	mg/kg	7.01	1.24	1	"	"	"	"	"	X
7440-66-6	Zinc	**5.40**	R06	mg/kg	4.91	3.62	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**161,000**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 1	14800.0039	Liquid	30-Aug-17 12:45	01-Sep-17
SC38763-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Toxicity Characteristics													
	Flashpoint	**See Narrative**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**9.39**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:38	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses Prepared by method 400336-										Methylation date: 06-Sep-17			
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50	Q5	ug/L	50	50	10	SW8151A	06-Sep-17	07-Sep-17 23:29	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 50	Q5	ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100	Q5	ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000	Q5	ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50	Q5	ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 50	Q5	ug/L	50	50	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100	Q5	ug/L	100	100	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100	Q5	ug/L	100	100	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*14*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		11-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**89.4**		% by Volume		0.10	1	SW846 9000	"	08-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.62 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 103000	U, D	µg/kg	103000	52000	100000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 1030000	U, D	µg/kg	1030000	410000	100000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 103000	U, D	µg/kg	103000	98600	100000	"	"	"	"	"	X
71-43-2	Benzene	< 103000	U, D	µg/kg	103000	27200	100000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 103000	U, D	µg/kg	103000	27400	100000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 103000	U, D	µg/kg	103000	51800	100000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 103000	U, D	µg/kg	103000	68400	100000	"	"	"	"	"	X
75-25-2	Bromoform	< 103000	U, D	µg/kg	103000	97900	100000	"	"	"	"	"	X
74-83-9	Bromomethane	< 205000	U, D	µg/kg	205000	92600	100000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 205000	U, D	µg/kg	205000	183000	100000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 103000	U, D	µg/kg	103000	29300	100000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 103000	U, D	µg/kg	103000	18700	100000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 103000	U, D	µg/kg	103000	23000	100000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 205000	U, D	µg/kg	205000	65700	100000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 103000	U, D	µg/kg	103000	83900	100000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 103000	U, D	µg/kg	103000	32100	100000	"	"	"	"	"	X
75-00-3	Chloroethane	< 205000	U, D	µg/kg	205000	56900	100000	"	"	"	"	"	X
67-66-3	Chloroform	< 103000	U, D	µg/kg	103000	55100	100000	"	"	"	"	"	X
74-87-3	Chloromethane	< 205000	U, D	µg/kg	205000	42400	100000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 103000	U, D	µg/kg	103000	25500	100000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 103000	U, D	µg/kg	103000	24100	100000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 205000	U, D	µg/kg	205000	148000	100000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 103000	U, D	µg/kg	103000	69600	100000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 103000	U, D	µg/kg	103000	68800	100000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 103000	U, D	µg/kg	103000	53400	100000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 103000	U, D	µg/kg	103000	26700	100000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 103000	U, D	µg/kg	103000	22300	100000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 103000	U, D	µg/kg	103000	30400	100000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 205000	U, D	µg/kg	205000	38900	100000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 103000	U, D	µg/kg	103000	26900	100000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 103000	U, D	µg/kg	103000	36700	100000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 103000	U, D	µg/kg	103000	53700	100000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 103000	U, D	µg/kg	103000	38100	100000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 103000	U, D	µg/kg	103000	54400	100000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 103000	U, D	µg/kg	103000	53800	100000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 103000	U, D	µg/kg	103000	53100	100000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 103000	U, D	µg/kg	103000	48400	100000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 103000	U, D	µg/kg	103000	33000	100000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 103000	U, D	µg/kg	103000	61900	100000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 103000	U, D	µg/kg	103000	53900	100000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R04										
						Initial weight: 14.62 g							
100-41-4	Ethylbenzene	< 103000	U, D	µg/kg	103000	14800	100000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 103000	U, D	µg/kg	103000	51500	100000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 205000	U, D	µg/kg	205000	126000	100000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 103000	U, D	µg/kg	103000	20200	100000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 103000	U, D	µg/kg	103000	22100	100000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 103000	U, D	µg/kg	103000	37800	100000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 205000	U, D	µg/kg	205000	52700	100000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 205000	U, D	µg/kg	205000	40700	100000	"	"	"	"	"	X
91-20-3	Naphthalene	< 103000	U, D	µg/kg	103000	61000	100000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 103000	U, D	µg/kg	103000	16600	100000	"	"	"	"	"	X
100-42-5	Styrene	< 103000	U, D	µg/kg	103000	20600	100000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 103000	U, D	µg/kg	103000	87200	100000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 103000	U, D	µg/kg	103000	86800	100000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 103000	U, D	µg/kg	103000	35100	100000	"	"	"	"	"	X
108-88-3	Toluene	< 103000	U, D	µg/kg	103000	33200	100000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 103000	U, D	µg/kg	103000	36000	100000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 103000	U, D	µg/kg	103000	75600	100000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 103000	U, D	µg/kg	103000	32200	100000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 103000	U, D	µg/kg	103000	34100	100000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 103000	U, D	µg/kg	103000	74400	100000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 103000	U, D	µg/kg	103000	28000	100000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 103000	U, D	µg/kg	103000	55300	100000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 103000	U, D	µg/kg	103000	76900	100000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 103000	U, D	µg/kg	103000	24900	100000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 103000	U, D	µg/kg	103000	17600	100000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 103000	U, D	µg/kg	103000	34700	100000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 205000	U, D	µg/kg	205000	18500	100000	"	"	"	"	"	X
95-47-6	o-Xylene	< 103000	U, D	µg/kg	103000	28700	100000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 205000	U, D	µg/kg	205000	162000	100000	"	"	"	"	"	
60-29-7	Ethyl ether	< 103000	U, D	µg/kg	103000	93000	100000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 103000	U, D	µg/kg	103000	34300	100000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 103000	U, D	µg/kg	103000	55300	100000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 103000	U, D	µg/kg	103000	19100	100000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1030000	U, D	µg/kg	1030000	671000	100000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 2050000	U, D	µg/kg	2050000	1780000	100000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 513000	U, D	µg/kg	513000	234000	100000	"	"	"	"	"	X
64-17-5	Ethanol	< 20500000	U, D	µg/kg	20500000	3830000	100000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*80*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*111*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*116*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.62 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 513000	U, D	µg/kg	513000	260000	500000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
67-64-1	Acetone	< 5130000	U, D	µg/kg	5130000	2050000	500000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 513000	U, D	µg/kg	513000	493000	500000	"	"	"	"	"	X
71-43-2	Benzene	< 513000	U, D	µg/kg	513000	136000	500000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 513000	U, D	µg/kg	513000	137000	500000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 513000	U, D	µg/kg	513000	259000	500000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 513000	U, D	µg/kg	513000	342000	500000	"	"	"	"	"	X
75-25-2	Bromoform	< 513000	U, D	µg/kg	513000	489000	500000	"	"	"	"	"	X
74-83-9	Bromomethane	< 1030000	U, D	µg/kg	1030000	463000	500000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1030000	U, D	µg/kg	1030000	917000	500000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 513000	U, D	µg/kg	513000	147000	500000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 513000	U, D	µg/kg	513000	93400	500000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 513000	U, D	µg/kg	513000	115000	500000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1030000	U, D	µg/kg	1030000	328000	500000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 513000	U, D	µg/kg	513000	420000	500000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 513000	U, D	µg/kg	513000	161000	500000	"	"	"	"	"	X
75-00-3	Chloroethane	< 1030000	U, D	µg/kg	1030000	285000	500000	"	"	"	"	"	X
67-66-3	Chloroform	< 513000	U, D	µg/kg	513000	275000	500000	"	"	"	"	"	X
74-87-3	Chloromethane	< 1030000	U, D	µg/kg	1030000	212000	500000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 513000	U, D	µg/kg	513000	128000	500000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 513000	U, D	µg/kg	513000	121000	500000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1030000	U, D	µg/kg	1030000	741000	500000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 513000	U, D	µg/kg	513000	348000	500000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 513000	U, D	µg/kg	513000	344000	500000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 513000	U, D	µg/kg	513000	267000	500000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 513000	U, D	µg/kg	513000	133000	500000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 513000	U, D	µg/kg	513000	111000	500000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 513000	U, D	µg/kg	513000	152000	500000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1030000	U, D	µg/kg	1030000	194000	500000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 513000	U, D	µg/kg	513000	134000	500000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 513000	U, D	µg/kg	513000	184000	500000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 513000	U, D	µg/kg	513000	268000	500000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 513000	U, D	µg/kg	513000	190000	500000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 513000	U, D	µg/kg	513000	272000	500000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 513000	U, D	µg/kg	513000	269000	500000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 513000	U, D	µg/kg	513000	266000	500000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 513000	U, D	µg/kg	513000	242000	500000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 513000	U, D	µg/kg	513000	165000	500000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 513000	U, D	µg/kg	513000	309000	500000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 513000	U, D	µg/kg	513000	269000	500000	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 513000	U, D	µg/kg	513000	73900	500000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 513000	U, D	µg/kg	513000	258000	500000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			R04										
							Initial weight: 14.62 g						
591-78-6	2-Hexanone (MBK)	< 1030000	U, D	µg/kg	1030000	629000	500000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
98-82-8	Isopropylbenzene	< 513000	U, D	µg/kg	513000	101000	500000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 513000	U, D	µg/kg	513000	110000	500000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 513000	U, D	µg/kg	513000	189000	500000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 1030000	U, D	µg/kg	1030000	264000	500000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1030000	U, D	µg/kg	1030000	204000	500000	"	"	"	"	"	X
91-20-3	Naphthalene	< 513000	U, D	µg/kg	513000	305000	500000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 513000	U, D	µg/kg	513000	83100	500000	"	"	"	"	"	X
100-42-5	Styrene	< 513000	U, D	µg/kg	513000	103000	500000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 513000	U, D	µg/kg	513000	436000	500000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 513000	U, D	µg/kg	513000	434000	500000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 513000	U, D	µg/kg	513000	175000	500000	"	"	"	"	"	X
108-88-3	Toluene	< 513000	U, D	µg/kg	513000	166000	500000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 513000	U, D	µg/kg	513000	180000	500000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 513000	U, D	µg/kg	513000	378000	500000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 513000	U, D	µg/kg	513000	161000	500000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 513000	U, D	µg/kg	513000	170000	500000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 513000	U, D	µg/kg	513000	372000	500000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 513000	U, D	µg/kg	513000	140000	500000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 513000	U, D	µg/kg	513000	277000	500000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 513000	U, D	µg/kg	513000	385000	500000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 513000	U, D	µg/kg	513000	125000	500000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 513000	U, D	µg/kg	513000	88200	500000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 513000	U, D	µg/kg	513000	173000	500000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1030000	U, D	µg/kg	1030000	92300	500000	"	"	"	"	"	X
95-47-6	o-Xylene	< 513000	U, D	µg/kg	513000	144000	500000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1030000	U, D	µg/kg	1030000	808000	500000	"	"	"	"	"	
60-29-7	Ethyl ether	< 513000	U, D	µg/kg	513000	465000	500000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 513000	U, D	µg/kg	513000	171000	500000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 513000	U, D	µg/kg	513000	277000	500000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 513000	U, D	µg/kg	513000	95400	500000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 5130000	U, D	µg/kg	5130000	3360000	500000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 10300000	U, D	µg/kg	10300000	8910000	500000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2560000	U, D	µg/kg	2560000	1170000	500000	"	"	"	"	"	X
64-17-5	Ethanol	< 103000000	U, D	µg/kg	103000000	19100000	500000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*81*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*110*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*			*70-130 %*			"	"	"	"	"	

Tentatively Identified Compounds by GC/MS
Prepared by method SW846 5035A Soil (high level) Initial weight: 14.62 g

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.62 g						
	Tentatively Identified Compounds	None found		µg/kg			100000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 15800	U	µg/kg	15800	7890	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 15800	U	µg/kg	15800	7820	1	"	"	"	"	"	X
62-53-3	Aniline	< 78400	U	µg/kg	78400	5630	1	"	"	"	"	"	X
120-12-7	Anthracene	< 15800	U	µg/kg	15800	7580	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 78400	U	µg/kg	78400	7710	1	"	"	"	"	"	
92-87-5	Benzidine	365,000		µg/kg	78400	15800	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 15800	U	µg/kg	15800	8360	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 15800	U	µg/kg	15800	5900	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 15800	U	µg/kg	15800	7670	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 15800	U	µg/kg	15800	6370	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 15800	U	µg/kg	15800	6200	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 78400	U	µg/kg	78400	16500	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 78400	U	µg/kg	78400	6420	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 78400	U	µg/kg	78400	6960	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 39700	U	µg/kg	39700	5680	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 39700	U	µg/kg	39700	6100	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 39700	U	µg/kg	39700	9790	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 78400	U	µg/kg	78400	7340	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 78400	U	µg/kg	78400	9150	1	"	"	"	"	"	X
86-74-8	Carbazole	< 39700	U	µg/kg	39700	22100	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 78400	U	µg/kg	78400	7480	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 39700	U	µg/kg	39700	8580	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 78400	U	µg/kg	78400	7250	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 39700	U	µg/kg	39700	7060	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 78400	U	µg/kg	78400	9310	1	"	"	"	"	"	X
218-01-9	Chrysene	< 15800	U	µg/kg	15800	7910	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 15800	U	µg/kg	15800	6080	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 39700	U	µg/kg	39700	6030	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 78400	U	µg/kg	78400	6840	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 78400	U	µg/kg	78400	6840	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 78400	U	µg/kg	78400	7270	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 78400	U	µg/kg	78400	11900	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 39700	U	µg/kg	39700	7420	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 78400	U	µg/kg	78400	9690	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 78400	U	µg/kg	78400	8580	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 78400	U	µg/kg	78400	5610	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 78400	U	µg/kg	78400	8310	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
534-52-1	4,6-Dinitro-2-methylphenol	< 78400	U	µg/kg	78400	10100	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 78400	U	µg/kg	78400	7980	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 39700	U	µg/kg	39700	15300	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 39700	U	µg/kg	39700	8930	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 78400	U	µg/kg	78400	8860	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 15800	U	µg/kg	15800	8370	1	"	"	"	"	"	X
86-73-7	Fluorene	< 15800	U	µg/kg	15800	8050	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 39700	U	µg/kg	39700	7810	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 39700	U	µg/kg	39700	9480	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 39700	U	µg/kg	39700	5390	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 39700	U	µg/kg	39700	8550	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 15800	U	µg/kg	15800	5700	1	"	"	"	"	"	X
78-59-1	Isophorone	< 39700	U	µg/kg	39700	7440	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 15800	U	µg/kg	15800	9570	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 78400	U	µg/kg	78400	6660	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 78400	U	µg/kg	78400	7580	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 15800	U	µg/kg	15800	7390	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 78400	U	µg/kg	78400	6650	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 78400	U	µg/kg	78400	10700	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 39700	U	µg/kg	39700	12200	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 39700	U	µg/kg	39700	7220	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 39700	U	µg/kg	39700	6580	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 314000	U	µg/kg	314000	12700	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 39700	U	µg/kg	39700	7360	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 39700	U	µg/kg	39700	7730	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 78400	U	µg/kg	78400	8500	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 78400	U	µg/kg	78400	8380	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 15800	U	µg/kg	15800	7370	1	"	"	"	"	"	X
108-95-2	Phenol	< 78400	U	µg/kg	78400	5160	1	"	"	"	"	"	X
129-00-0	Pyrene	< 15800	U	µg/kg	15800	8840	1	"	"	"	"	"	X
110-86-1	Pyridine	< 78400	U	µg/kg	78400	11700	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 78400	U	µg/kg	78400	7770	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 15800	U	µg/kg	15800	7790	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 78400	U	µg/kg	78400	7060	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 39700	U	µg/kg	39700	7080	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 78400	U	µg/kg	78400	12400	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 78400	U	µg/kg	78400	7600	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*96*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*109*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*89*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*96*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*103*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
118-79-6	*2,4,6-Tribromophenol*	*112*			*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
	Tentatively Identified Compounds	**0.00**	U	µg/l			1	SW846 8270D TICS	"	"	MSL	"	
000292-64-8	Cyclooctane	**60,200**	J N	µg/l			1	"	"	"	"	"	
002136-70-1	Ethanol, 2-(tetradecyloxy)-	**48,500**	J N	µg/l			1	"	"	"	"	"	
002615-15-8	Hexagol (02)	**66,300**	J N	µg/l			1	"	"	"	"	"	
017455-13-9	1,4,7,10,13,16-Hexaoxacyclo...	**57,600**	J N	µg/l			1	"	"	"	"	"	
036653-82-4	1-Hexadecanol	**47,000**	J N	µg/l			1	"	"	"	"	"	
000124-11-8	1-Nonene	**56,200**	J N	µg/l			1	"	"	"	"	"	
000143-07-7	Dodecanoic acid	**115,000**	J N	µg/l			1	"	"	"	"	"	
004792-15-8	Pentaethylene glycol (02)	**79,300**	J N	µg/l			1	"	"	"	"	"	
003055-95-6	Pentaethylene glycol monodo... (06)	**115,000**	J N	µg/l			1	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 180	U	µg/kg	180	80.5	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 180	U	µg/kg	180	95.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 180	U	µg/kg	180	90.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 180	U	µg/kg	180	177	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 180	U	µg/kg	180	164	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 180	U	µg/kg	180	118	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 180	U	µg/kg	180	96.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 180	U	µg/kg	180	157	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 180	U	µg/kg	180	81.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 89.9	U	µg/kg	89.9	24.1	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 89.9	U	µg/kg	89.9	35.6	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 89.9	U	µg/kg	89.9	25.9	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 53.9	U	µg/kg	53.9	25.9	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 89.9	U	µg/kg	89.9	30.0	1	"	"	"	"	"	X
309-00-2	Aldrin	< 89.9	U	µg/kg	89.9	27.7	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 89.9	U	µg/kg	89.9	31.8	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 89.9	U	µg/kg	89.9	31.6	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 89.9	U	µg/kg	89.9	31.6	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 89.9	U	µg/kg	89.9	28.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17
SC38763-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
72-20-8	Endrin	< 144	U	µg/kg	144	31.6	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
33213-65-9	Endosulfan II	< 144	U	µg/kg	144	33.8	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 144	U	µg/kg	144	31.3	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 144	U	µg/kg	144	30.0	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 144	U	µg/kg	144	27.7	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 144	U	µg/kg	144	31.8	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 144	U	µg/kg	144	32.4	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 144	U	µg/kg	144	30.0	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 89.9	U	µg/kg	89.9	30.7	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 89.9	U	µg/kg	89.9	32.4	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1800	U	µg/kg	1800	389	1	"	"	"	"	"	X
57-74-9	Chlordane	< 360	U	µg/kg	360	356	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 89.9	U	µg/kg	89.9	44.0	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**618**		mg/kg	1.3	0.7	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.70	U	mg/kg	6.70	0.723	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 24.6	R06, U	mg/kg	24.6	5.07	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.70	U	mg/kg	6.70	0.848	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.46	U	mg/kg	4.46	0.527	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.23	U	mg/kg	2.23	0.112	1	"	"	"	"	"	X
7440-70-2	Calcium	**23.2**	J	mg/kg	112	22.9	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.23	U	mg/kg	2.23	0.116	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.46	U	mg/kg	4.46	0.258	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.46	U	mg/kg	4.46	0.594	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.46	U	mg/kg	4.46	1.07	1	"	"	"	"	"	X
7439-89-6	Iron	< 181	R06, U	mg/kg	181	9.20	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0288	U	mg/kg	0.0288	0.0080	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**92.1**	J	mg/kg	223	15.6	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 22.3	U	mg/kg	22.3	6.43	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.46	U	mg/kg	4.46	1.14	1	"	"	"	"	"	X
7440-23-5	Sodium	**6,360**	R06	mg/kg	2080	48.0	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.46	U	mg/kg	4.46	0.513	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.70	U	mg/kg	6.70	0.946	1	"	"	"	"	"	X
7440-36-0	Antimony	< 22.3	U	mg/kg	22.3	1.68	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Inorganic 2 SC38763-12	14800.0039	Liquid	30-Aug-17 10:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7782-49-2	Selenium	< 6.70	U	mg/kg	6.70	1.28	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7440-28-0	Thallium	< 13.4	U	mg/kg	13.4	4.92	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.70	U	mg/kg	6.70	1.19	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.69	R06, U	mg/kg	4.69	3.46	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**53,600**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**10.4**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:38	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		11-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**>95**		% by Volume		0.10	1	SW846 9000	"	08-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 15.57 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 96300	U, D	µg/kg	96300	48800	100000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 963000	U, D	µg/kg	963000	385000	100000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 96300	U, D	µg/kg	96300	92600	100000	"	"	"	"	"	X
71-43-2	Benzene	< 96300	U, D	µg/kg	96300	25500	100000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 96300	U, D	µg/kg	96300	25700	100000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 96300	U, D	µg/kg	96300	48700	100000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 96300	U, D	µg/kg	96300	64300	100000	"	"	"	"	"	X
75-25-2	Bromoform	< 96300	U, D	µg/kg	96300	91900	100000	"	"	"	"	"	X
74-83-9	Bromomethane	< 193000	U, D	µg/kg	193000	87000	100000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 193000	U, D	µg/kg	193000	172000	100000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 96300	U, D	µg/kg	96300	27600	100000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 96300	U, D	µg/kg	96300	17500	100000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 96300	U, D	µg/kg	96300	21600	100000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 193000	U, D	µg/kg	193000	61700	100000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 96300	U, D	µg/kg	96300	78800	100000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 96300	U, D	µg/kg	96300	30200	100000	"	"	"	"	"	X
75-00-3	Chloroethane	< 193000	U, D	µg/kg	193000	53500	100000	"	"	"	"	"	X
67-66-3	Chloroform	< 96300	U, D	µg/kg	96300	51700	100000	"	"	"	"	"	X
74-87-3	Chloromethane	< 193000	U, D	µg/kg	193000	39800	100000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 96300	U, D	µg/kg	96300	24000	100000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 96300	U, D	µg/kg	96300	22600	100000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 193000	U, D	µg/kg	193000	139000	100000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 96300	U, D	µg/kg	96300	65300	100000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 96300	U, D	µg/kg	96300	64600	100000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 96300	U, D	µg/kg	96300	50100	100000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 96300	U, D	µg/kg	96300	25000	100000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 96300	U, D	µg/kg	96300	20900	100000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 96300	U, D	µg/kg	96300	28500	100000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 193000	U, D	µg/kg	193000	36500	100000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 96300	U, D	µg/kg	96300	25200	100000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 96300	U, D	µg/kg	96300	34500	100000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 96300	U, D	µg/kg	96300	50400	100000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 96300	U, D	µg/kg	96300	35700	100000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 96300	U, D	µg/kg	96300	51100	100000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 96300	U, D	µg/kg	96300	50500	100000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 96300	U, D	µg/kg	96300	49900	100000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 96300	U, D	µg/kg	96300	45500	100000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 96300	U, D	µg/kg	96300	31000	100000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 96300	U, D	µg/kg	96300	58100	100000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 96300	U, D	µg/kg	96300	50600	100000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R04										
						Initial weight: 15.57 g							
100-41-4	Ethylbenzene	< 96300	U, D	µg/kg	96300	13900	100000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 96300	U, D	µg/kg	96300	48400	100000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 193000	U, D	µg/kg	193000	118000	100000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 96300	U, D	µg/kg	96300	19000	100000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 96300	U, D	µg/kg	96300	20700	100000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 96300	U, D	µg/kg	96300	35500	100000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 193000	U, D	µg/kg	193000	49500	100000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 193000	U, D	µg/kg	193000	38200	100000	"	"	"	"	"	X
91-20-3	Naphthalene	< 96300	U, D	µg/kg	96300	57300	100000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 96300	U, D	µg/kg	96300	15600	100000	"	"	"	"	"	X
100-42-5	Styrene	< 96300	U, D	µg/kg	96300	19400	100000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 96300	U, D	µg/kg	96300	81900	100000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 96300	U, D	µg/kg	96300	81500	100000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 96300	U, D	µg/kg	96300	32900	100000	"	"	"	"	"	X
108-88-3	Toluene	< 96300	U, D	µg/kg	96300	31200	100000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 96300	U, D	µg/kg	96300	33800	100000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 96300	U, D	µg/kg	96300	71000	100000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 96300	U, D	µg/kg	96300	30300	100000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 96300	U, D	µg/kg	96300	32000	100000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 96300	U, D	µg/kg	96300	69800	100000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 96300	U, D	µg/kg	96300	26300	100000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 96300	U, D	µg/kg	96300	51900	100000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 96300	U, D	µg/kg	96300	72300	100000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 96300	U, D	µg/kg	96300	23400	100000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 96300	U, D	µg/kg	96300	16600	100000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 96300	U, D	µg/kg	96300	32600	100000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 193000	U, D	µg/kg	193000	17300	100000	"	"	"	"	"	X
95-47-6	o-Xylene	< 96300	U, D	µg/kg	96300	27000	100000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 193000	U, D	µg/kg	193000	152000	100000	"	"	"	"	"	
60-29-7	Ethyl ether	< 96300	U, D	µg/kg	96300	87300	100000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 96300	U, D	µg/kg	96300	32200	100000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 96300	U, D	µg/kg	96300	51900	100000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 96300	U, D	µg/kg	96300	17900	100000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 963000	U, D	µg/kg	963000	630000	100000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1930000	U, D	µg/kg	1930000	1670000	100000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 482000	U, D	µg/kg	482000	220000	100000	"	"	"	"	"	X
64-17-5	Ethanol	< 19300000	U, D	µg/kg	19300000	3590000	100000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*79*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*111*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*116*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 15.57 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 482000	U, D	µg/kg	482000	244000	500000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
67-64-1	Acetone	< 4820000	U, D	µg/kg	4820000	1930000	500000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 482000	U, D	µg/kg	482000	463000	500000	"	"	"	"	"	X
71-43-2	Benzene	< 482000	U, D	µg/kg	482000	128000	500000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 482000	U, D	µg/kg	482000	129000	500000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 482000	U, D	µg/kg	482000	243000	500000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 482000	U, D	µg/kg	482000	321000	500000	"	"	"	"	"	X
75-25-2	Bromoform	< 482000	U, D	µg/kg	482000	460000	500000	"	"	"	"	"	X
74-83-9	Bromomethane	< 963000	U, D	µg/kg	963000	435000	500000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 963000	U, D	µg/kg	963000	861000	500000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 482000	U, D	µg/kg	482000	138000	500000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 482000	U, D	µg/kg	482000	87700	500000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 482000	U, D	µg/kg	482000	108000	500000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 963000	U, D	µg/kg	963000	308000	500000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 482000	U, D	µg/kg	482000	394000	500000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 482000	U, D	µg/kg	482000	151000	500000	"	"	"	"	"	X
75-00-3	Chloroethane	< 963000	U, D	µg/kg	963000	267000	500000	"	"	"	"	"	X
67-66-3	Chloroform	< 482000	U, D	µg/kg	482000	259000	500000	"	"	"	"	"	X
74-87-3	Chloromethane	< 963000	U, D	µg/kg	963000	199000	500000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 482000	U, D	µg/kg	482000	120000	500000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 482000	U, D	µg/kg	482000	113000	500000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 963000	U, D	µg/kg	963000	696000	500000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 482000	U, D	µg/kg	482000	327000	500000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 482000	U, D	µg/kg	482000	323000	500000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 482000	U, D	µg/kg	482000	250000	500000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 482000	U, D	µg/kg	482000	125000	500000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 482000	U, D	µg/kg	482000	105000	500000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 482000	U, D	µg/kg	482000	143000	500000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 963000	U, D	µg/kg	963000	183000	500000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 482000	U, D	µg/kg	482000	126000	500000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 482000	U, D	µg/kg	482000	172000	500000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 482000	U, D	µg/kg	482000	252000	500000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 482000	U, D	µg/kg	482000	179000	500000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 482000	U, D	µg/kg	482000	255000	500000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 482000	U, D	µg/kg	482000	252000	500000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 482000	U, D	µg/kg	482000	250000	500000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 482000	U, D	µg/kg	482000	227000	500000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 482000	U, D	µg/kg	482000	155000	500000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 482000	U, D	µg/kg	482000	290000	500000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 482000	U, D	µg/kg	482000	253000	500000	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 482000	U, D	µg/kg	482000	69400	500000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 482000	U, D	µg/kg	482000	242000	500000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			R04										
							Initial weight: 15.57 g						
591-78-6	2-Hexanone (MBK)	< 963000	U, D	µg/kg	963000	591000	500000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
98-82-8	Isopropylbenzene	< 482000	U, D	µg/kg	482000	94900	500000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 482000	U, D	µg/kg	482000	104000	500000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 482000	U, D	µg/kg	482000	177000	500000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 963000	U, D	µg/kg	963000	248000	500000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 963000	U, D	µg/kg	963000	191000	500000	"	"	"	"	"	X
91-20-3	Naphthalene	< 482000	U, D	µg/kg	482000	287000	500000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 482000	U, D	µg/kg	482000	78000	500000	"	"	"	"	"	X
100-42-5	Styrene	< 482000	U, D	µg/kg	482000	96800	500000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 482000	U, D	µg/kg	482000	409000	500000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 482000	U, D	µg/kg	482000	408000	500000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 482000	U, D	µg/kg	482000	165000	500000	"	"	"	"	"	X
108-88-3	Toluene	< 482000	U, D	µg/kg	482000	156000	500000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 482000	U, D	µg/kg	482000	169000	500000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 482000	U, D	µg/kg	482000	355000	500000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 482000	U, D	µg/kg	482000	151000	500000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 482000	U, D	µg/kg	482000	160000	500000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 482000	U, D	µg/kg	482000	349000	500000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 482000	U, D	µg/kg	482000	132000	500000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 482000	U, D	µg/kg	482000	260000	500000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 482000	U, D	µg/kg	482000	361000	500000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 482000	U, D	µg/kg	482000	117000	500000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 482000	U, D	µg/kg	482000	82900	500000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 482000	U, D	µg/kg	482000	163000	500000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 963000	U, D	µg/kg	963000	86700	500000	"	"	"	"	"	X
95-47-6	o-Xylene	< 482000	U, D	µg/kg	482000	135000	500000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 963000	U, D	µg/kg	963000	759000	500000	"	"	"	"	"	
60-29-7	Ethyl ether	< 482000	U, D	µg/kg	482000	436000	500000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 482000	U, D	µg/kg	482000	161000	500000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 482000	U, D	µg/kg	482000	260000	500000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 482000	U, D	µg/kg	482000	89600	500000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 4820000	U, D	µg/kg	4820000	3150000	500000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 9630000	U, D	µg/kg	9630000	8370000	500000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2410000	U, D	µg/kg	2410000	1100000	500000	"	"	"	"	"	X
64-17-5	Ethanol	< 96300000	U, D	µg/kg	96300000	18000000	500000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*79*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*112*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*118*			*70-130 %*			"	"	"	"	"	

Tentatively Identified Compounds by GC/MS
Prepared by method SW846 5035A Soil (high level) Initial weight: 15.57 g

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 15.57 g						
	Tentatively Identified Compounds	None found		µg/kg			100000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 91300	U, D	µg/kg	91300	45500	5	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 91300	U, D	µg/kg	91300	45000	5	"	"	"	"	"	X
62-53-3	Aniline	< 452000	U, D	µg/kg	452000	32400	5	"	"	"	"	"	X
120-12-7	Anthracene	< 91300	U, D	µg/kg	91300	43700	5	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 452000	U, D	µg/kg	452000	44400	5	"	"	"	"	"	
92-87-5	Benzidine	< 452000	U, D	µg/kg	452000	90900	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 91300	U, D	µg/kg	91300	48200	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 91300	U, D	µg/kg	91300	34000	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 91300	U, D	µg/kg	91300	44200	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 91300	U, D	µg/kg	91300	36700	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 91300	U, D	µg/kg	91300	35700	5	"	"	"	"	"	X
65-85-0	Benzoic acid	< 452000	U, D	µg/kg	452000	94900	5	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 452000	U, D	µg/kg	452000	37000	5	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 452000	U, D	µg/kg	452000	40100	5	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 229000	U, D	µg/kg	229000	32700	5	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 229000	U, D	µg/kg	229000	35200	5	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 229000	U, D	µg/kg	229000	56400	5	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 452000	U, D	µg/kg	452000	42300	5	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 452000	U, D	µg/kg	452000	52700	5	"	"	"	"	"	X
86-74-8	Carbazole	< 229000	U, D	µg/kg	229000	128000	5	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 452000	U, D	µg/kg	452000	43100	5	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 229000	U, D	µg/kg	229000	49400	5	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 452000	U, D	µg/kg	452000	41800	5	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 229000	U, D	µg/kg	229000	40700	5	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 452000	U, D	µg/kg	452000	53700	5	"	"	"	"	"	X
218-01-9	Chrysene	< 91300	U, D	µg/kg	91300	45600	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 91300	U, D	µg/kg	91300	35000	5	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 229000	U, D	µg/kg	229000	34800	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 452000	U, D	µg/kg	452000	39400	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 452000	U, D	µg/kg	452000	39400	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 452000	U, D	µg/kg	452000	41900	5	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 452000	U, D	µg/kg	452000	68700	5	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 229000	U, D	µg/kg	229000	42700	5	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 452000	U, D	µg/kg	452000	55900	5	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 452000	U, D	µg/kg	452000	49400	5	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 452000	U, D	µg/kg	452000	32300	5	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 452000	U, D	µg/kg	452000	47900	5	"	"	"	"	"	X

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Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
534-52-1	4,6-Dinitro-2-methylphenol	< 452000	U, D	µg/kg	452000	58000	5	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 452000	U, D	µg/kg	452000	46000	5	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 229000	U, D	µg/kg	229000	88400	5	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 229000	U, D	µg/kg	229000	51500	5	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 452000	U, D	µg/kg	452000	51100	5	"	"	"	"	"	X
206-44-0	Fluoranthene	< 91300	U, D	µg/kg	91300	48200	5	"	"	"	"	"	X
86-73-7	Fluorene	< 91300	U, D	µg/kg	91300	46400	5	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 229000	U, D	µg/kg	229000	45000	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 229000	U, D	µg/kg	229000	54600	5	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 229000	U, D	µg/kg	229000	31100	5	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 229000	U, D	µg/kg	229000	49300	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 91300	U, D	µg/kg	91300	32900	5	"	"	"	"	"	X
78-59-1	Isophorone	< 229000	U, D	µg/kg	229000	42900	5	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 91300	U, D	µg/kg	91300	55200	5	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 452000	U, D	µg/kg	452000	38400	5	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 452000	U, D	µg/kg	452000	43700	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 91300	U, D	µg/kg	91300	42600	5	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 452000	U, D	µg/kg	452000	38300	5	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 452000	U, D	µg/kg	452000	61700	5	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 229000	U, D	µg/kg	229000	70400	5	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 229000	U, D	µg/kg	229000	41600	5	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 229000	U, D	µg/kg	229000	37900	5	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1810000	U, D	µg/kg	1810000	73000	5	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 229000	U, D	µg/kg	229000	42400	5	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 229000	U, D	µg/kg	229000	44500	5	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 452000	U, D	µg/kg	452000	49000	5	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 452000	U, D	µg/kg	452000	48300	5	"	"	"	"	"	X
85-01-8	Phenanthrene	< 91300	U, D	µg/kg	91300	42500	5	"	"	"	"	"	X
108-95-2	Phenol	< 452000	U, D	µg/kg	452000	29700	5	"	"	"	"	"	X
129-00-0	Pyrene	< 91300	U, D	µg/kg	91300	50900	5	"	"	"	"	"	X
110-86-1	Pyridine	< 452000	U, D	µg/kg	452000	67400	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 452000	U, D	µg/kg	452000	44800	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 91300	U, D	µg/kg	91300	44900	5	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 452000	U, D	µg/kg	452000	40700	5	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 229000	U, D	µg/kg	229000	40800	5	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 452000	U, D	µg/kg	452000	71300	5	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 452000	U, D	µg/kg	452000	43800	5	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*83*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*		S04, U		*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*94*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*4*	S04		*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*96*			*30-130 %*			"	"	"	"	"	

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Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
118-79-6	*2,4,6-Tribromophenol*	*280*	S04		*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
013483-31-3	2-Propanone, dimethylhydrazone	**248,000**	J N, D	µg/l			5	SW846 8270D TICS	"	"	MSL	"	
003102-33-8	3-Penten-2-one, (E)-	**238,000**	J N, D	µg/l			5	"	"	"	"	"	
141-79-7	3-Penten-2-one, 4-methyl-	**799,000**	J N, D	µg/l			5	"	"	"	"	"	
000108-91-8	Cyclohexanamine	**18,600,000**	J N, D	µg/l			5	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 162	U	µg/kg	162	72.5	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 162	U	µg/kg	162	86.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 162	U	µg/kg	162	80.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 162	U	µg/kg	162	160	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 162	U	µg/kg	162	148	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 162	U	µg/kg	162	106	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 162	U	µg/kg	162	86.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 162	U	µg/kg	162	141	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 162	U	µg/kg	162	72.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 80.9	U	µg/kg	80.9	21.7	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 80.9	U	µg/kg	80.9	32.0	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 80.9	U	µg/kg	80.9	23.3	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 48.5	U	µg/kg	48.5	23.3	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 80.9	U	µg/kg	80.9	27.0	1	"	"	"	"	"	X
309-00-2	Aldrin	< 80.9	U	µg/kg	80.9	24.9	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 80.9	U	µg/kg	80.9	28.6	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 80.9	U	µg/kg	80.9	28.5	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 80.9	U	µg/kg	80.9	28.5	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 80.9	U	µg/kg	80.9	25.6	1	"	"	"	"	"	X
72-20-8	Endrin	< 129	U	µg/kg	129	28.5	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 129	U	µg/kg	129	30.4	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 129	U	µg/kg	129	28.1	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 129	U	µg/kg	129	27.0	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 129	U	µg/kg	129	24.9	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 129	U	µg/kg	129	28.6	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 129	U	µg/kg	129	29.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Corrosive Basic	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17
SC38763-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Pesticides													
Organochlorine Pesticides													
7421-93-4	Endrin aldehyde	< 129	U	µg/kg	129	27.0	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
5103-71-9	alpha-Chlordane	< 80.9	U	µg/kg	80.9	27.7	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 80.9	U	µg/kg	80.9	29.1	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1620	U	µg/kg	1620	350	1	"	"	"	"	"	X
57-74-9	Chlordane	< 323	U	µg/kg	323	320	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 80.9	U	µg/kg	80.9	39.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**1,580**		mg/kg	1.2	0.6	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	**2.14**	J	mg/kg	5.94	0.641	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 21.8	R06, U	mg/kg	21.8	4.49	1	"	"	"	"	"	X
7440-38-2	Arsenic	**0.989**	J	mg/kg	5.94	0.752	1	"	"	"	"	"	X
7440-39-3	Barium	< 3.96	U	mg/kg	3.96	0.467	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 1.98	U	mg/kg	1.98	0.0993	1	"	"	"	"	"	X
7440-70-2	Calcium	**25.1**	J	mg/kg	98.9	20.3	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 1.98	U	mg/kg	1.98	0.102	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 3.96	U	mg/kg	3.96	0.229	1	"	"	"	"	"	X
7440-47-3	Chromium	< 3.96	U	mg/kg	3.96	0.526	1	"	"	"	"	"	X
7440-50-8	Copper	< 3.96	U	mg/kg	3.96	0.950	1	"	"	"	"	"	X
7439-89-6	Iron	< 160	R06, U	mg/kg	160	8.15	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0268	U	mg/kg	0.0268	0.0074	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**7,410**		mg/kg	198	13.8	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 19.8	U	mg/kg	19.8	5.70	1	"	"	"	"	"	X
7439-96-5	Manganese	**7.87**		mg/kg	3.96	1.01	1	"	"	"	"	"	X
7440-23-5	Sodium	**45,800**	R06	mg/kg	1840	42.5	1	"	"	"	"	"	X
7440-02-0	Nickel	< 3.96	U	mg/kg	3.96	0.455	1	"	"	"	"	"	X
7439-92-1	Lead	< 5.94	U	mg/kg	5.94	0.839	1	"	"	"	"	"	X
7440-36-0	Antimony	< 19.8	U	mg/kg	19.8	1.49	1	"	"	"	"	"	X
7782-49-2	Selenium	< 5.94	U	mg/kg	5.94	1.13	1	"	"	"	"	"	X
7440-28-0	Thallium	< 11.9	U	mg/kg	11.9	4.36	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 5.94	U	mg/kg	5.94	1.05	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.16	R06, U	mg/kg	4.16	3.06	1	"	"	"	"	"	X
General Chemistry Parameters													
Prepared by method SW846 9010B													
57-12-5	Cyanide (amenable)	< 1.00	U	mg/kg	1.00	0.422	1	SW846 9012B	08-Sep-17	08-Sep-17	RLT	1715370	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Corrosive Basic SC38763-13	14800.0039	Liquid	30-Aug-17 11:00	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
57-12-5	Cyanide (total)	**1.39**		mg/kg	0.496	0.209	1	SW846 9012B	08-Sep-17	08-Sep-17	RLT	1715372	X
	Total Solids	**243,000**		mg/l	1000	1000	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**90**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**13.5**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:44	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses Prepared by method 400336-										Methylation date: 06-Sep-17			
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50	Q5	ug/L	50	50	10	SW8151A	06-Sep-17	07-Sep-17 23:48	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 50	Q5	ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100	Q5	ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000	Q5	ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50	Q5	ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 50	Q5	ug/L	50	50	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100	Q5	ug/L	100	100	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100	Q5	ug/L	100	100	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*10*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		11-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**82.7**		% by Volume		0.10	1	SW846 9000	"	08-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17
SC38763-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R01										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.53 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 51600	U, D	µg/kg	51600	26200	50000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 516000	U, D	µg/kg	516000	206000	50000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 51600	U, D	µg/kg	51600	49600	50000	"	"	"	"	"	X
71-43-2	Benzene	< 51600	U, D	µg/kg	51600	13700	50000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 51600	U, D	µg/kg	51600	13800	50000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 51600	U, D	µg/kg	51600	26100	50000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 51600	U, D	µg/kg	51600	34400	50000	"	"	"	"	"	X
75-25-2	Bromoform	< 51600	U, D	µg/kg	51600	49200	50000	"	"	"	"	"	X
74-83-9	Bromomethane	< 103000	U, D	µg/kg	103000	46600	50000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 103000	U, D	µg/kg	103000	92300	50000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**34,600**	J, D	µg/kg	51600	14800	50000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**59,900**	D	µg/kg	51600	9390	50000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 51600	U, D	µg/kg	51600	11600	50000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 103000	U, D	µg/kg	103000	33000	50000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 51600	U, D	µg/kg	51600	42200	50000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 51600	U, D	µg/kg	51600	16200	50000	"	"	"	"	"	X
75-00-3	Chloroethane	< 103000	U, D	µg/kg	103000	28600	50000	"	"	"	"	"	X
67-66-3	Chloroform	< 51600	U, D	µg/kg	51600	27700	50000	"	"	"	"	"	X
74-87-3	Chloromethane	< 103000	U, D	µg/kg	103000	21300	50000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 51600	U, D	µg/kg	51600	12900	50000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 51600	U, D	µg/kg	51600	12100	50000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 103000	U, D	µg/kg	103000	74600	50000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 51600	U, D	µg/kg	51600	35000	50000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 51600	U, D	µg/kg	51600	34600	50000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 51600	U, D	µg/kg	51600	26800	50000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 51600	U, D	µg/kg	51600	13400	50000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 51600	U, D	µg/kg	51600	11200	50000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 51600	U, D	µg/kg	51600	15300	50000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 103000	U, D	µg/kg	103000	19600	50000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 51600	U, D	µg/kg	51600	13500	50000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 51600	U, D	µg/kg	51600	18500	50000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 51600	U, D	µg/kg	51600	27000	50000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 51600	U, D	µg/kg	51600	19200	50000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 51600	U, D	µg/kg	51600	27400	50000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 51600	U, D	µg/kg	51600	27000	50000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 51600	U, D	µg/kg	51600	26700	50000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 51600	U, D	µg/kg	51600	24400	50000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 51600	U, D	µg/kg	51600	16600	50000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 51600	U, D	µg/kg	51600	31100	50000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 51600	U, D	µg/kg	51600	27100	50000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17
SC38763-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R01										
						Initial weight: 14.53 g							
100-41-4	Ethylbenzene	< 51600	U, D	µg/kg	51600	7430	50000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 51600	U, D	µg/kg	51600	25900	50000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 103000	U, D	µg/kg	103000	63300	50000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**48,500**	J, D	µg/kg	51600	10200	50000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 51600	U, D	µg/kg	51600	11100	50000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 51600	U, D	µg/kg	51600	19000	50000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 103000	U, D	µg/kg	103000	26500	50000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 103000	U, D	µg/kg	103000	20500	50000	"	"	"	"	"	X
91-20-3	Naphthalene	< 51600	U, D	µg/kg	51600	30700	50000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**189,000**	D	µg/kg	51600	8360	50000	"	"	"	"	"	X
100-42-5	Styrene	< 51600	U, D	µg/kg	51600	10400	50000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 51600	U, D	µg/kg	51600	43900	50000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 51600	U, D	µg/kg	51600	43700	50000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 51600	U, D	µg/kg	51600	17700	50000	"	"	"	"	"	X
108-88-3	Toluene	< 51600	U, D	µg/kg	51600	16700	50000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 51600	U, D	µg/kg	51600	18100	50000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 51600	U, D	µg/kg	51600	38000	50000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 51600	U, D	µg/kg	51600	16200	50000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 51600	U, D	µg/kg	51600	17100	50000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 51600	U, D	µg/kg	51600	37400	50000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 51600	U, D	µg/kg	51600	14100	50000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 51600	U, D	µg/kg	51600	27800	50000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 51600	U, D	µg/kg	51600	38700	50000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**1,410,000**	D	µg/kg	51600	12500	50000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**421,000**	D	µg/kg	51600	8880	50000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 51600	U, D	µg/kg	51600	17400	50000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 103000	U, D	µg/kg	103000	9290	50000	"	"	"	"	"	X
95-47-6	o-Xylene	**53,700**	D	µg/kg	51600	14500	50000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 103000	U, D	µg/kg	103000	81300	50000	"	"	"	"	"	
60-29-7	Ethyl ether	< 51600	U, D	µg/kg	51600	46800	50000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 51600	U, D	µg/kg	51600	17200	50000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 51600	U, D	µg/kg	51600	27800	50000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 51600	U, D	µg/kg	51600	9600	50000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 516000	U, D	µg/kg	516000	338000	50000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1030000	U, D	µg/kg	1030000	897000	50000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 258000	U, D	µg/kg	258000	118000	50000	"	"	"	"	"	X
64-17-5	Ethanol	< 10300000	U, D	µg/kg	10300000	1930000	50000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*112*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*115*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic SC38763-14	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
							Initial weight: 14.53 g						
611-14-3	Benzene, 1-ethyl-2-methyl-	**309,000**	J N, D	µg/kg			50000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
000620-14-4	Benzene, 1-ethyl-3-methyl-	**1,320,000**	J N, D	µg/kg			50000	"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C			R01										
83-32-9	Acenaphthene	< 178000	U, D	µg/kg	178000	88400	10	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 178000	U, D	µg/kg	178000	87600	10	"	"	"	"	"	X
62-53-3	Aniline	< 879000	U, D	µg/kg	879000	63100	10	"	"	"	"	"	X
120-12-7	Anthracene	< 178000	U, D	µg/kg	178000	85000	10	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 879000	U, D	µg/kg	879000	86400	10	"	"	"	"	"	
92-87-5	Benzidine	< 879000	U, D	µg/kg	879000	177000	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 178000	U, D	µg/kg	178000	93700	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 178000	U, D	µg/kg	178000	66100	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 178000	U, D	µg/kg	178000	86000	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 178000	U, D	µg/kg	178000	71400	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 178000	U, D	µg/kg	178000	69500	10	"	"	"	"	"	X
65-85-0	Benzoic acid	< 879000	U, D	µg/kg	879000	185000	10	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 879000	U, D	µg/kg	879000	72000	10	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 879000	U, D	µg/kg	879000	78000	10	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 445000	U, D	µg/kg	445000	63700	10	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 445000	U, D	µg/kg	445000	68400	10	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 445000	U, D	µg/kg	445000	110000	10	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 879000	U, D	µg/kg	879000	82300	10	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 879000	U, D	µg/kg	879000	103000	10	"	"	"	"	"	X
86-74-8	Carbazole	< 445000	U, D	µg/kg	445000	248000	10	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 879000	U, D	µg/kg	879000	83900	10	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 445000	U, D	µg/kg	445000	96100	10	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 879000	U, D	µg/kg	879000	81200	10	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 445000	U, D	µg/kg	445000	79100	10	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 879000	U, D	µg/kg	879000	104000	10	"	"	"	"	"	X
218-01-9	Chrysene	< 178000	U, D	µg/kg	178000	88700	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 178000	U, D	µg/kg	178000	68200	10	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 445000	U, D	µg/kg	445000	67600	10	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 879000	U, D	µg/kg	879000	76700	10	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 879000	U, D	µg/kg	879000	76700	10	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 879000	U, D	µg/kg	879000	81500	10	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 879000	U, D	µg/kg	879000	134000	10	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 445000	U, D	µg/kg	445000	83100	10	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 879000	U, D	µg/kg	879000	109000	10	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 879000	U, D	µg/kg	879000	96100	10	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17
SC38763-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
105-67-9	2,4-Dimethylphenol	< 879000	U, D	µg/kg	879000	62900	10	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
84-74-2	Di-n-butyl phthalate	< 879000	U, D	µg/kg	879000	93200	10	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 879000	U, D	µg/kg	879000	113000	10	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 879000	U, D	µg/kg	879000	89500	10	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 445000	U, D	µg/kg	445000	172000	10	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 445000	U, D	µg/kg	445000	100000	10	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 879000	U, D	µg/kg	879000	99300	10	"	"	"	"	"	X
206-44-0	Fluoranthene	< 178000	U, D	µg/kg	178000	93900	10	"	"	"	"	"	X
86-73-7	Fluorene	< 178000	U, D	µg/kg	178000	90300	10	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 445000	U, D	µg/kg	445000	87500	10	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 445000	U, D	µg/kg	445000	106000	10	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 445000	U, D	µg/kg	445000	60500	10	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 445000	U, D	µg/kg	445000	95900	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 178000	U, D	µg/kg	178000	63900	10	"	"	"	"	"	X
78-59-1	Isophorone	< 445000	U, D	µg/kg	445000	83400	10	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 178000	U, D	µg/kg	178000	107000	10	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 879000	U, D	µg/kg	879000	74700	10	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 879000	U, D	µg/kg	879000	85000	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 178000	U, D	µg/kg	178000	82800	10	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 879000	U, D	µg/kg	879000	74600	10	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 879000	U, D	µg/kg	879000	120000	10	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 445000	U, D	µg/kg	445000	137000	10	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 445000	U, D	µg/kg	445000	81000	10	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 445000	U, D	µg/kg	445000	73800	10	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 3520000	U, D	µg/kg	3520000	142000	10	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 445000	U, D	µg/kg	445000	82600	10	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 445000	U, D	µg/kg	445000	86600	10	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 879000	U, D	µg/kg	879000	95300	10	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 879000	U, D	µg/kg	879000	93900	10	"	"	"	"	"	X
85-01-8	Phenanthrene	< 178000	U, D	µg/kg	178000	82700	10	"	"	"	"	"	X
108-95-2	Phenol	< 879000	U, D	µg/kg	879000	57800	10	"	"	"	"	"	X
129-00-0	Pyrene	< 178000	U, D	µg/kg	178000	99100	10	"	"	"	"	"	X
110-86-1	Pyridine	< 879000	U, D	µg/kg	879000	131000	10	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 879000	U, D	µg/kg	879000	87100	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 178000	U, D	µg/kg	178000	87400	10	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 879000	U, D	µg/kg	879000	79100	10	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 445000	U, D	µg/kg	445000	79300	10	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 879000	U, D	µg/kg	879000	139000	10	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 879000	U, D	µg/kg	879000	85200	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*100*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*116*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*148*	S04		*30-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic SC38763-14	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
4165-62-2	*Phenol-d5*	*114*			*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
1718-51-0	*Terphenyl-dl4*	*124*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*578*	S04		*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds													
611-14-3	Benzene, 1-ethyl-2-methyl-	**6,080,000**	J N, D	µg/l			10	SW846 8270D TICS	"	"	MSL	"	
1678-93-9	Cyclohexane, butyl-	**546,000**	J N, D	µg/l			10	"	"	"	"	"	
005989-54-8	Cyclohexene, 1-methyl-4-(1-...	**403,000**	J N, D	µg/l			10	"	"	"	"	"	
64058-09-9	Nonane, 3-methyl-	**529,000**	J N, D	µg/l			10	"	"	"	"	"	
000526-73-8	Benzene, 1,2,3-trimethyl-(02)	**9,400,000**	J N, D	µg/l			10	"	"	"	"	"	
001074-55-1	Benzene, 1-methyl-4-propyl-	**695,000**	J N, D	µg/l			10	"	"	"	"	"	
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	**550,000**	J N, D	µg/l			10	"	"	"	"	"	
103-65-1	Benzene, propyl-	**1,260,000**	J N, D	µg/l			10	"	"	"	"	"	
496-11-7	Indane	**726,000**	J N, D	µg/l			10	"	"	"	"	"	
493-02-7	Naphthalene, decahydro-, tr...	**639,000**	J N, D	µg/l			10	"	"	"	"	"	
1120-21-4	Undecane	**848,000**	J N, D	µg/l			10	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 146	U	µg/kg	146	65.5	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 146	U	µg/kg	146	77.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 146	U	µg/kg	146	73.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 146	U	µg/kg	146	144	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 146	U	µg/kg	146	134	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 146	U	µg/kg	146	95.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 146	U	µg/kg	146	78.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 146	U	µg/kg	146	127	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 146	U	µg/kg	146	65.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 73.1	U	µg/kg	73.1	19.6	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 73.1	U	µg/kg	73.1	28.9	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 73.1	U	µg/kg	73.1	21.1	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 43.9	U	µg/kg	43.9	21.1	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 73.1	U	µg/kg	73.1	24.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic SC38763-14	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
309-00-2	Aldrin	< 73.1	U	µg/kg	73.1	22.5	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
1024-57-3	Heptachlor epoxide	< 73.1	U	µg/kg	73.1	25.9	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 73.1	U	µg/kg	73.1	25.7	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 73.1	U	µg/kg	73.1	25.7	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 73.1	U	µg/kg	73.1	23.1	1	"	"	"	"	"	X
72-20-8	Endrin	< 117	U	µg/kg	117	25.7	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 117	U	µg/kg	117	27.5	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 117	U	µg/kg	117	25.4	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 117	U	µg/kg	117	24.4	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 117	U	µg/kg	117	22.5	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 117	U	µg/kg	117	25.9	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 117	U	µg/kg	117	26.3	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 117	U	µg/kg	117	24.4	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 73.1	U	µg/kg	73.1	25.0	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 73.1	U	µg/kg	73.1	26.3	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1460	U	µg/kg	1460	316	1	"	"	"	"	"	X
57-74-9	Chlordane	< 292	U	µg/kg	292	289	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 73.1	U	µg/kg	73.1	35.8	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*44*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*24*	S04		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC			GS1										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 86600	U, D	mg/kg	86600		50	SW846 8100Mod.	11-Sep-17	12-Sep-17	DJS	1715504	
68476-30-2	Fuel Oil #2	< 86600	U, D	mg/kg	86600	61600	50	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 86600	U, D	mg/kg	86600		50	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 86600	U, D	mg/kg	86600		50	"	"	"	"	"	
M09800000	Motor Oil	< 86600	U, D	mg/kg	86600		50	"	"	"	"	"	
8032-32-4	Ligroin	**Calculated as**		mg/kg	86600		50	"	"	"	"	"	
J00100000	Aviation Fuel	< 86600	U, D	mg/kg	86600		50	"	"	"	"	"	
	Hydraulic Oil	< 86600	U, D	mg/kg	86600		50	"	"	"	"	"	
	Dielectric Fluid	< 86600	U, D	mg/kg	86600		50	"	"	"	"	"	
	Unidentified	**1,000,000**	D	mg/kg	86600		50	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg	86600		50	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**1,000,000**	D	mg/kg	86600		50	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*		S01, U		*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17
SC38763-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.73	U	mg/kg	6.73	0.726	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 24.7	R06, U	mg/kg	24.7	5.09	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.73	U	mg/kg	6.73	0.852	1	"	"	"	"	"	X
7440-39-3	Barium	**43.4**		mg/kg	4.48	0.529	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.24	U	mg/kg	2.24	0.113	1	"	"	"	"	"	X
7440-70-2	Calcium	**128**		mg/kg	112	23.0	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.24	U	mg/kg	2.24	0.116	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.48	U	mg/kg	4.48	0.260	1	"	"	"	"	"	X
7440-47-3	Chromium	**1.23**	J	mg/kg	4.48	0.596	1	"	"	"	"	"	X
7440-50-8	Copper	**36.4**		mg/kg	4.48	1.08	1	"	"	"	"	"	X
7439-89-6	Iron	**139**	R06, J	mg/kg	182	9.24	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0095**	J	mg/kg	0.0299	0.0083	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**60.7**	J	mg/kg	224	15.6	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	**41.7**		mg/kg	22.4	6.46	1	"	"	"	"	"	X
7439-96-5	Manganese	**1.48**	J	mg/kg	4.48	1.14	1	"	"	"	"	"	X
7440-23-5	Sodium	**1,450**	R06, J	mg/kg	2090	48.2	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.740**	J	mg/kg	4.48	0.516	1	"	"	"	"	"	X
7439-92-1	Lead	**1.93**	J	mg/kg	6.73	0.951	1	"	"	"	"	"	X
7440-36-0	Antimony	< 22.4	U	mg/kg	22.4	1.69	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.73	U	mg/kg	6.73	1.28	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.5	U	mg/kg	13.5	4.95	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.73	U	mg/kg	6.73	1.19	1	"	"	"	"	"	X
7440-66-6	Zinc	**213**	R06	mg/kg	4.71	3.47	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**2,000,000**		mg/l	5000	5000	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**9.14**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:48	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 400336-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50		ug/L	50	50	10	SW8151A	06-Sep-17	08-Sep-17 00:07	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 50		ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100		ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50		ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 50		ug/L	50	50	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100		ug/L	100	100	10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Organic SC38763-14	14800.0039	Liquid	30-Aug-17 14:20	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
88-85-7	Dinoseb	< 100		ug/L	100	100	10	SW8151A	06-Sep-17	08-Sep-17 00:07	CT007	400336A	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*128*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		11-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**4.56**		% by Volume		0.10	1	SW846 9000	"	08-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17
SC38763-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R01										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.61 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 513	U, D	µg/kg	513	260	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 5130	U, D	µg/kg	5130	2050	500	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 513	U, D	µg/kg	513	493	500	"	"	"	"	"	X
71-43-2	Benzene	< 513	U, D	µg/kg	513	136	500	"	"	"	"	"	X
108-86-1	Bromobenzene	< 513	U, D	µg/kg	513	137	500	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 513	U, D	µg/kg	513	259	500	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 513	U, D	µg/kg	513	342	500	"	"	"	"	"	X
75-25-2	Bromoform	< 513	U, D	µg/kg	513	490	500	"	"	"	"	"	X
74-83-9	Bromomethane	< 1030	U, D	µg/kg	1030	464	500	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1030	U, D	µg/kg	1030	918	500	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 513	U, D	µg/kg	513	147	500	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 513	U, D	µg/kg	513	93.4	500	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 513	U, D	µg/kg	513	115	500	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1030	U, D	µg/kg	1030	329	500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 513	U, D	µg/kg	513	420	500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 513	U, D	µg/kg	513	161	500	"	"	"	"	"	X
75-00-3	Chloroethane	< 1030	U, D	µg/kg	1030	285	500	"	"	"	"	"	X
67-66-3	Chloroform	< 513	U, D	µg/kg	513	276	500	"	"	"	"	"	X
74-87-3	Chloromethane	< 1030	U, D	µg/kg	1030	212	500	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 513	U, D	µg/kg	513	128	500	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 513	U, D	µg/kg	513	121	500	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1030	U, D	µg/kg	1030	742	500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 513	U, D	µg/kg	513	348	500	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 513	U, D	µg/kg	513	344	500	"	"	"	"	"	X
74-95-3	Dibromomethane	< 513	U, D	µg/kg	513	267	500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 513	U, D	µg/kg	513	133	500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 513	U, D	µg/kg	513	111	500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 513	U, D	µg/kg	513	152	500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1030	U, D	µg/kg	1030	195	500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 513	U, D	µg/kg	513	134	500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 513	U, D	µg/kg	513	184	500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 513	U, D	µg/kg	513	268	500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 513	U, D	µg/kg	513	190	500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 513	U, D	µg/kg	513	272	500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 513	U, D	µg/kg	513	269	500	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 513	U, D	µg/kg	513	266	500	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 513	U, D	µg/kg	513	242	500	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 513	U, D	µg/kg	513	165	500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 513	U, D	µg/kg	513	310	500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 513	U, D	µg/kg	513	270	500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17
SC38763-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R01										
						Initial weight: 14.61 g							
100-41-4	Ethylbenzene	< 513	U, D	µg/kg	513	73.9	500	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 513	U, D	µg/kg	513	258	500	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 1030	U, D	µg/kg	1030	630	500	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 513	U, D	µg/kg	513	101	500	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 513	U, D	µg/kg	513	110	500	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 513	U, D	µg/kg	513	189	500	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 1030	U, D	µg/kg	1030	264	500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1030	U, D	µg/kg	1030	204	500	"	"	"	"	"	X
91-20-3	Naphthalene	< 513	U, D	µg/kg	513	305	500	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 513	U, D	µg/kg	513	83.2	500	"	"	"	"	"	X
100-42-5	Styrene	< 513	U, D	µg/kg	513	103	500	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 513	U, D	µg/kg	513	436	500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 513	U, D	µg/kg	513	434	500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 513	U, D	µg/kg	513	176	500	"	"	"	"	"	X
108-88-3	Toluene	< 513	U, D	µg/kg	513	166	500	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 513	U, D	µg/kg	513	180	500	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 513	U, D	µg/kg	513	378	500	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 513	U, D	µg/kg	513	161	500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 513	U, D	µg/kg	513	170	500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 513	U, D	µg/kg	513	372	500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 513	U, D	µg/kg	513	140	500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 513	U, D	µg/kg	513	277	500	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 513	U, D	µg/kg	513	385	500	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 513	U, D	µg/kg	513	125	500	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 513	U, D	µg/kg	513	88.3	500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 513	U, D	µg/kg	513	174	500	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1030	U, D	µg/kg	1030	92.4	500	"	"	"	"	"	X
95-47-6	o-Xylene	< 513	U, D	µg/kg	513	144	500	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1030	U, D	µg/kg	1030	809	500	"	"	"	"	"	
60-29-7	Ethyl ether	< 513	U, D	µg/kg	513	465	500	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 513	U, D	µg/kg	513	171	500	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 513	U, D	µg/kg	513	277	500	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 513	U, D	µg/kg	513	95.5	500	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 5130	U, D	µg/kg	5130	3360	500	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 10300	U, D	µg/kg	10300	8920	500	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 2570	U, D	µg/kg	2570	1170	500	"	"	"	"	"	X
64-17-5	Ethanol	< 103000	U, D	µg/kg	103000	19100	500	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*80*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*113*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*118*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17
SC38763-15				

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846 8260 R01

Prepared by method SW846 5035A Soil (high level) Initial weight: 14.61 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5130	U, D	µg/kg	5130	2600	5000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
67-64-1	Acetone	< 51300	U, D	µg/kg	51300	20500	5000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5130	U, D	µg/kg	5130	4930	5000	"	"	"	"	"	X
71-43-2	Benzene	< 5130	U, D	µg/kg	5130	1360	5000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5130	U, D	µg/kg	5130	1370	5000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5130	U, D	µg/kg	5130	2590	5000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5130	U, D	µg/kg	5130	3420	5000	"	"	"	"	"	X
75-25-2	Bromoform	< 5130	U, D	µg/kg	5130	4900	5000	"	"	"	"	"	X
74-83-9	Bromomethane	< 10300	U, D	µg/kg	10300	4640	5000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10300	U, D	µg/kg	10300	9180	5000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5130	U, D	µg/kg	5130	1470	5000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5130	U, D	µg/kg	5130	934	5000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5130	U, D	µg/kg	5130	1150	5000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10300	U, D	µg/kg	10300	3290	5000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5130	U, D	µg/kg	5130	4200	5000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5130	U, D	µg/kg	5130	1610	5000	"	"	"	"	"	X
75-00-3	Chloroethane	< 10300	U, D	µg/kg	10300	2850	5000	"	"	"	"	"	X
67-66-3	Chloroform	< 5130	U, D	µg/kg	5130	2760	5000	"	"	"	"	"	X
74-87-3	Chloromethane	< 10300	U, D	µg/kg	10300	2120	5000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5130	U, D	µg/kg	5130	1280	5000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5130	U, D	µg/kg	5130	1210	5000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10300	U, D	µg/kg	10300	7420	5000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5130	U, D	µg/kg	5130	3480	5000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5130	U, D	µg/kg	5130	3440	5000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5130	U, D	µg/kg	5130	2670	5000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5130	U, D	µg/kg	5130	1330	5000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5130	U, D	µg/kg	5130	1110	5000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5130	U, D	µg/kg	5130	1520	5000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10300	U, D	µg/kg	10300	1950	5000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5130	U, D	µg/kg	5130	1340	5000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5130	U, D	µg/kg	5130	1840	5000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5130	U, D	µg/kg	5130	2680	5000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5130	U, D	µg/kg	5130	1900	5000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5130	U, D	µg/kg	5130	2720	5000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5130	U, D	µg/kg	5130	2690	5000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5130	U, D	µg/kg	5130	2660	5000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5130	U, D	µg/kg	5130	2420	5000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5130	U, D	µg/kg	5130	1650	5000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5130	U, D	µg/kg	5130	3100	5000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5130	U, D	µg/kg	5130	2700	5000	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5130	U, D	µg/kg	5130	739	5000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 5130	U, D	µg/kg	5130	2580	5000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17
SC38763-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			R01										
						Initial weight: 14.61 g							
591-78-6	2-Hexanone (MBK)	< 10300	U, D	µg/kg	10300	6300	5000	SW846 8260C	11-Sep-17	12-Sep-17	MP	1715503	X
98-82-8	Isopropylbenzene	< 5130	U, D	µg/kg	5130	1010	5000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5130	U, D	µg/kg	5130	1100	5000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5130	U, D	µg/kg	5130	1890	5000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10300	U, D	µg/kg	10300	2640	5000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10300	U, D	µg/kg	10300	2040	5000	"	"	"	"	"	X
91-20-3	Naphthalene	< 5130	U, D	µg/kg	5130	3050	5000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5130	U, D	µg/kg	5130	832	5000	"	"	"	"	"	X
100-42-5	Styrene	< 5130	U, D	µg/kg	5130	1030	5000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5130	U, D	µg/kg	5130	4360	5000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5130	U, D	µg/kg	5130	4340	5000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5130	U, D	µg/kg	5130	1760	5000	"	"	"	"	"	X
108-88-3	Toluene	< 5130	U, D	µg/kg	5130	1660	5000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5130	U, D	µg/kg	5130	1800	5000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5130	U, D	µg/kg	5130	3780	5000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5130	U, D	µg/kg	5130	1610	5000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5130	U, D	µg/kg	5130	1700	5000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5130	U, D	µg/kg	5130	3720	5000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5130	U, D	µg/kg	5130	1400	5000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5130	U, D	µg/kg	5130	2770	5000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5130	U, D	µg/kg	5130	3850	5000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5130	U, D	µg/kg	5130	1250	5000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5130	U, D	µg/kg	5130	883	5000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5130	U, D	µg/kg	5130	1740	5000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10300	U, D	µg/kg	10300	924	5000	"	"	"	"	"	X
95-47-6	o-Xylene	< 5130	U, D	µg/kg	5130	1440	5000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10300	U, D	µg/kg	10300	8090	5000	"	"	"	"	"	
60-29-7	Ethyl ether	< 5130	U, D	µg/kg	5130	4650	5000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5130	U, D	µg/kg	5130	1710	5000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5130	U, D	µg/kg	5130	2770	5000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5130	U, D	µg/kg	5130	955	5000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 51300	U, D	µg/kg	51300	33600	5000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 103000	U, D	µg/kg	103000	89200	5000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 25700	U, D	µg/kg	25700	11700	5000	"	"	"	"	"	X
64-17-5	Ethanol	< 1030000	U, D	µg/kg	1030000	191000	5000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*77*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*112*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*120*			*70-130 %*			"	"	"	"	"	

Tentatively Identified Compounds by GC/MS
Prepared by method SW846 5035A Soil (high level) Initial weight: 14.61 g

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17
SC38763-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.61 g						
	Tentatively Identified Compounds	None found		µg/kg			500	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 334000	U, D	µg/kg	334000	166000	20	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 334000	U, D	µg/kg	334000	165000	20	"	"	"	"	"	X
62-53-3	Aniline	< 1650000	U, D	µg/kg	1650000	119000	20	"	"	"	"	"	X
120-12-7	Anthracene	< 334000	U, D	µg/kg	334000	160000	20	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 1650000	U, D	µg/kg	1650000	162000	20	"	"	"	"	"	
92-87-5	Benzidine	< 1650000	U, D	µg/kg	1650000	332000	20	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 334000	U, D	µg/kg	334000	176000	20	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 334000	U, D	µg/kg	334000	124000	20	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 334000	U, D	µg/kg	334000	162000	20	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 334000	U, D	µg/kg	334000	134000	20	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 334000	U, D	µg/kg	334000	131000	20	"	"	"	"	"	X
65-85-0	Benzoic acid	< 1650000	U, D	µg/kg	1650000	347000	20	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 1650000	U, D	µg/kg	1650000	135000	20	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 1650000	U, D	µg/kg	1650000	147000	20	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 835000	U, D	µg/kg	835000	120000	20	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 835000	U, D	µg/kg	835000	129000	20	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 835000	U, D	µg/kg	835000	206000	20	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 1650000	U, D	µg/kg	1650000	155000	20	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 1650000	U, D	µg/kg	1650000	193000	20	"	"	"	"	"	X
86-74-8	Carbazole	< 835000	U, D	µg/kg	835000	466000	20	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 1650000	U, D	µg/kg	1650000	158000	20	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 835000	U, D	µg/kg	835000	181000	20	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 1650000	U, D	µg/kg	1650000	153000	20	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 835000	U, D	µg/kg	835000	149000	20	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 1650000	U, D	µg/kg	1650000	196000	20	"	"	"	"	"	X
218-01-9	Chrysene	< 334000	U, D	µg/kg	334000	167000	20	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 334000	U, D	µg/kg	334000	128000	20	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 835000	U, D	µg/kg	835000	127000	20	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1650000	U, D	µg/kg	1650000	144000	20	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1650000	U, D	µg/kg	1650000	144000	20	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1650000	U, D	µg/kg	1650000	153000	20	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 1650000	U, D	µg/kg	1650000	251000	20	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 835000	U, D	µg/kg	835000	156000	20	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 1650000	U, D	µg/kg	1650000	204000	20	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 1650000	U, D	µg/kg	1650000	181000	20	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 1650000	U, D	µg/kg	1650000	118000	20	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 1650000	U, D	µg/kg	1650000	175000	20	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17
SC38763-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
534-52-1	4,6-Dinitro-2-methylphenol	< 1650000	U, D	µg/kg	1650000	212000	20	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
51-28-5	2,4-Dinitrophenol	< 1650000	U, D	µg/kg	1650000	168000	20	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 835000	U, D	µg/kg	835000	323000	20	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 835000	U, D	µg/kg	835000	188000	20	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 1650000	U, D	µg/kg	1650000	187000	20	"	"	"	"	"	X
206-44-0	Fluoranthene	< 334000	U, D	µg/kg	334000	176000	20	"	"	"	"	"	X
86-73-7	Fluorene	< 334000	U, D	µg/kg	334000	170000	20	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 835000	U, D	µg/kg	835000	164000	20	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 835000	U, D	µg/kg	835000	200000	20	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 835000	U, D	µg/kg	835000	114000	20	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 835000	U, D	µg/kg	835000	180000	20	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 334000	U, D	µg/kg	334000	120000	20	"	"	"	"	"	X
78-59-1	Isophorone	< 835000	U, D	µg/kg	835000	157000	20	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 334000	U, D	µg/kg	334000	202000	20	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 1650000	U, D	µg/kg	1650000	140000	20	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 1650000	U, D	µg/kg	1650000	160000	20	"	"	"	"	"	X
91-20-3	Naphthalene	< 334000	U, D	µg/kg	334000	156000	20	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 1650000	U, D	µg/kg	1650000	140000	20	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 1650000	U, D	µg/kg	1650000	226000	20	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 835000	U, D	µg/kg	835000	257000	20	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 835000	U, D	µg/kg	835000	152000	20	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 835000	U, D	µg/kg	835000	139000	20	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 6600000	U, D	µg/kg	6600000	267000	20	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 835000	U, D	µg/kg	835000	155000	20	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 835000	U, D	µg/kg	835000	163000	20	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 1650000	U, D	µg/kg	1650000	179000	20	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 1650000	U, D	µg/kg	1650000	176000	20	"	"	"	"	"	X
85-01-8	Phenanthrene	< 334000	U, D	µg/kg	334000	155000	20	"	"	"	"	"	X
108-95-2	Phenol	< 1650000	U, D	µg/kg	1650000	109000	20	"	"	"	"	"	X
129-00-0	Pyrene	< 334000	U, D	µg/kg	334000	186000	20	"	"	"	"	"	X
110-86-1	Pyridine	< 1650000	U, D	µg/kg	1650000	246000	20	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1650000	U, D	µg/kg	1650000	164000	20	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 334000	U, D	µg/kg	334000	164000	20	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 1650000	U, D	µg/kg	1650000	149000	20	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 835000	U, D	µg/kg	835000	149000	20	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 1650000	U, D	µg/kg	1650000	261000	20	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 1650000	U, D	µg/kg	1650000	160000	20	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*132*	S04		*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*120*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*132*	S04		*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*104*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*204*	S04		*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil SC38763-15	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R01										
118-79-6	*2,4,6-Tribromophenol*	*1080*	S04		*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
Tentatively Identified Compounds													
000128-37-0	Butylated Hydroxytoluene	**3,930,000**	J N, D	µg/l			20	SW846 8270D TICS	"	"	MSL	"	
003365-85-3	4,4'-Diamino-p-terphenyl	**1,500,000**	J N, D	µg/l			20	"	"	"	"	"	
000128-39-2	Phenol, 2,6-bis(1,1-dimethy...	**2,240,000**	J N, D	µg/l			20	"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3580A													
12674-11-2	Aroclor-1016	< 367	U	µg/kg	367	269	1	SW846 8082A	05-Sep-17	05-Sep-17	EAB	1715119	X
11104-28-2	Aroclor-1221	< 367	U	µg/kg	367	245	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 367	U	µg/kg	367	171	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 367	U	µg/kg	367	180	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 367	U	µg/kg	367	133	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 367	U	µg/kg	367	227	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 367	U	µg/kg	367	285	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 367	U	µg/kg	367	209	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 367	U	µg/kg	367	190	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 99.6	U	µg/kg	99.6	26.7	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 99.6	U	µg/kg	99.6	39.4	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 99.6	U	µg/kg	99.6	28.7	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 59.8	U	µg/kg	59.8	28.7	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 99.6	U	µg/kg	99.6	33.3	1	"	"	"	"	"	X
309-00-2	Aldrin	< 99.6	U	µg/kg	99.6	30.7	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 99.6	U	µg/kg	99.6	35.3	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 99.6	U	µg/kg	99.6	35.1	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 99.6	U	µg/kg	99.6	35.1	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 99.6	U	µg/kg	99.6	31.5	1	"	"	"	"	"	X
72-20-8	Endrin	< 159	U	µg/kg	159	35.1	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 159	U	µg/kg	159	37.4	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 159	U	µg/kg	159	34.7	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 159	U	µg/kg	159	33.3	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 159	U	µg/kg	159	30.7	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 159	U	µg/kg	159	35.3	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 159	U	µg/kg	159	35.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil SC38763-15	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
7421-93-4	Endrin aldehyde	< 159	U	µg/kg	159	33.3	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
5103-71-9	alpha-Chlordane	< 99.6	U	µg/kg	99.6	34.1	1	"	"	"	"	"	X
5103-74-2	Chlordane (gamma)(trans)	< 99.6	U	µg/kg	99.6	35.9	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1990	U	µg/kg	1990	431	1	"	"	"	"	"	X
57-74-9	Chlordane	< 398	U	µg/kg	398	394	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 99.6	U	µg/kg	99.6	48.8	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*109*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*109*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*123*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC			R01										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 33900	U, D	mg/kg	33900		20	SW846 8100Mod.	11-Sep-17	12-Sep-17	DJS	1715504	
68476-30-2	Fuel Oil #2	< 33900	U, D	mg/kg	33900	24100	20	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
M09800000	Motor Oil	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
8032-32-4	Ligroin	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
J00100000	Aviation Fuel	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
	Hydraulic Oil	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
	Dielectric Fluid	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
	Unidentified	**970,000**	D	mg/kg	33900		20	"	"	"	"	"	
	Other Oil	< 33900	U, D	mg/kg	33900		20	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**970,000**	D	mg/kg	33900		20	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*		S01, U		*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.41	U	mg/kg	6.41	0.692	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 23.5	R06, U	mg/kg	23.5	4.85	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.41	U	mg/kg	6.41	0.812	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.27	U	mg/kg	4.27	0.504	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.14	U	mg/kg	2.14	0.107	1	"	"	"	"	"	X
7440-70-2	Calcium	< 107	U	mg/kg	107	21.9	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.14	U	mg/kg	2.14	0.111	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.27	U	mg/kg	4.27	0.247	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.27	U	mg/kg	4.27	0.568	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.27	U	mg/kg	4.27	1.03	1	"	"	"	"	"	X
7439-89-6	Iron	**39.0**	R06, J	mg/kg	173	8.80	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0283	U	mg/kg	0.0283	0.0079	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Waste Oil SC38763-15	14800.0039	Oil	30-Aug-17 11:30	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-09-7	Potassium	**48.4**	J	mg/kg	214	14.9	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	< 21.4	U	mg/kg	21.4	6.15	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.27	U	mg/kg	4.27	1.09	1	"	"	"	"	"	X
7440-23-5	Sodium	**444**	R06, J	mg/kg	1990	45.9	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.27	U	mg/kg	4.27	0.491	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.41	U	mg/kg	6.41	0.906	1	"	"	"	"	"	X
7440-36-0	Antimony	< 21.4	U	mg/kg	21.4	1.61	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.41	U	mg/kg	6.41	1.22	1	"	"	"	"	"	X
7440-28-0	Thallium	< 12.8	U	mg/kg	12.8	4.71	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.41	U	mg/kg	6.41	1.14	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.49	R06, U	mg/kg	4.49	3.31	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**351,000**		mg/l	1000	1000	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X
	pH	**6.89**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:54	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 400378-									Methylation date: 06-Sep-17				
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 2.5		mg/Kg	2.5	2.5	10	SW8151A	06-Sep-17	07-Sep-17 00:50	CT007	400378A	
93-72-1	2,4,5-TP (Silvex)	< 2.5		mg/Kg	2.5	2.5	10	"	"	"	"	"	
94-75-7	2,4-D	< 5.0		mg/Kg	5.0	5.0	10	"	"	"	"	"	
94-82-6	2,4-DB	< 50		mg/Kg	50	50	10	"	"	"	"	"	
75-99-0	Dalapon	< 2.5		mg/Kg	2.5	2.5	10	"	"	"	"	"	
1918-00-9	Dicamba	< 2.5		mg/Kg	2.5	2.5	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 5.0		mg/Kg	5.0	5.0	10	"	"	"	"	"	
88-85-7	Dinoseb	< 5.0		mg/Kg	5.0	5.0	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*53*		*- %*				"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Extractable Organic Halides	**See Report**		ppm			1	EPA 9023		11-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**>95**		% by Volume		0.10	1	SW846 9000	"	08-Sep-17		"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Pump Decon	14800.0039	Liquid	30-Aug-17 11:40	01-Sep-17
SC38763-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Prepared by method Volatiles													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	01-Sep-17		BD	1715073	
Volatile Organic Compounds by SW846 8260			R04										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.45 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5190	U, D	µg/kg	5190	2630	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
67-64-1	Acetone	< 51900	U, D	µg/kg	51900	20800	5000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5190	U, D	µg/kg	5190	4990	5000	"	"	"	"	"	X
71-43-2	Benzene	< 5190	U, D	µg/kg	5190	1380	5000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5190	U, D	µg/kg	5190	1390	5000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5190	U, D	µg/kg	5190	2620	5000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5190	U, D	µg/kg	5190	3460	5000	"	"	"	"	"	X
75-25-2	Bromoform	< 5190	U, D	µg/kg	5190	4950	5000	"	"	"	"	"	X
74-83-9	Bromomethane	< 10400	U, D	µg/kg	10400	4690	5000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10400	U, D	µg/kg	10400	9280	5000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5190	U, D	µg/kg	5190	1480	5000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5190	U, D	µg/kg	5190	945	5000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5190	U, D	µg/kg	5190	1160	5000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10400	U, D	µg/kg	10400	3320	5000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5190	U, D	µg/kg	5190	4250	5000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5190	U, D	µg/kg	5190	1620	5000	"	"	"	"	"	X
75-00-3	Chloroethane	< 10400	U, D	µg/kg	10400	2880	5000	"	"	"	"	"	X
67-66-3	Chloroform	< 5190	U, D	µg/kg	5190	2790	5000	"	"	"	"	"	X
74-87-3	Chloromethane	< 10400	U, D	µg/kg	10400	2140	5000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5190	U, D	µg/kg	5190	1290	5000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5190	U, D	µg/kg	5190	1220	5000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10400	U, D	µg/kg	10400	7500	5000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5190	U, D	µg/kg	5190	3520	5000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5190	U, D	µg/kg	5190	3480	5000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5190	U, D	µg/kg	5190	2700	5000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5190	U, D	µg/kg	5190	1350	5000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5190	U, D	µg/kg	5190	1130	5000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5190	U, D	µg/kg	5190	1540	5000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10400	U, D	µg/kg	10400	1970	5000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5190	U, D	µg/kg	5190	1360	5000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5190	U, D	µg/kg	5190	1860	5000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5190	U, D	µg/kg	5190	2710	5000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5190	U, D	µg/kg	5190	1930	5000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5190	U, D	µg/kg	5190	2750	5000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5190	U, D	µg/kg	5190	2720	5000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5190	U, D	µg/kg	5190	2690	5000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5190	U, D	µg/kg	5190	2450	5000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5190	U, D	µg/kg	5190	1670	5000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5190	U, D	µg/kg	5190	3130	5000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5190	U, D	µg/kg	5190	2720	5000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Pump Decon	14800.0039	Liquid	30-Aug-17 11:40	01-Sep-17
SC38763-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R04										
						Initial weight: 14.45 g							
100-41-4	Ethylbenzene	< 5190	U, D	µg/kg	5190	747	5000	SW846 8260C	08-Sep-17	10-Sep-17	MP	1715207	X
87-68-3	Hexachlorobutadiene	< 5190	U, D	µg/kg	5190	2610	5000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10400	U, D	µg/kg	10400	6370	5000	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 5190	U, D	µg/kg	5190	1020	5000	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5190	U, D	µg/kg	5190	1120	5000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5190	U, D	µg/kg	5190	1910	5000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10400	U, D	µg/kg	10400	2670	5000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10400	U, D	µg/kg	10400	2060	5000	"	"	"	"	"	X
91-20-3	Naphthalene	< 5190	U, D	µg/kg	5190	3090	5000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5190	U, D	µg/kg	5190	841	5000	"	"	"	"	"	X
100-42-5	Styrene	< 5190	U, D	µg/kg	5190	1040	5000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5190	U, D	µg/kg	5190	4410	5000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5190	U, D	µg/kg	5190	4390	5000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5190	U, D	µg/kg	5190	1780	5000	"	"	"	"	"	X
108-88-3	Toluene	< 5190	U, D	µg/kg	5190	1680	5000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5190	U, D	µg/kg	5190	1820	5000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5190	U, D	µg/kg	5190	3830	5000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5190	U, D	µg/kg	5190	1630	5000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5190	U, D	µg/kg	5190	1720	5000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5190	U, D	µg/kg	5190	3760	5000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5190	U, D	µg/kg	5190	1420	5000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5190	U, D	µg/kg	5190	2800	5000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5190	U, D	µg/kg	5190	3890	5000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5190	U, D	µg/kg	5190	1260	5000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5190	U, D	µg/kg	5190	893	5000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5190	U, D	µg/kg	5190	1750	5000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10400	U, D	µg/kg	10400	934	5000	"	"	"	"	"	X
95-47-6	o-Xylene	< 5190	U, D	µg/kg	5190	1450	5000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10400	U, D	µg/kg	10400	8180	5000	"	"	"	"	"	
60-29-7	Ethyl ether	< 5190	U, D	µg/kg	5190	4700	5000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5190	U, D	µg/kg	5190	1730	5000	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5190	U, D	µg/kg	5190	2800	5000	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5190	U, D	µg/kg	5190	965	5000	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 51900	U, D	µg/kg	51900	34000	5000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 104000	U, D	µg/kg	104000	90200	5000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 26000	U, D	µg/kg	26000	11800	5000	"	"	"	"	"	X
64-17-5	Ethanol	< 1040000	U, D	µg/kg	1040000	194000	5000	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*77*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*118*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Pump Decon	14800.0039	Liquid	30-Aug-17 11:40	01-Sep-17
SC38763-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
							Initial weight: 14.45 g						
000128-37-0	Butylated Hydroxytoluene	**212,000**	J N, D	µg/kg			5000	SW846 8260C TICs	08-Sep-17	10-Sep-17	MP	1715207	
000128-39-2	Phenol, 2,6-bis(1,1-dimethy...	**498,000**	J N, D	µg/kg			5000	"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3550C													
83-32-9	Acenaphthene	< 17300	U	µg/kg	17300	8600	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
208-96-8	Acenaphthylene	< 17300	U	µg/kg	17300	8520	1	"	"	"	"	"	X
62-53-3	Aniline	< 85500	U	µg/kg	85500	6140	1	"	"	"	"	"	X
120-12-7	Anthracene	< 17300	U	µg/kg	17300	8260	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 85500	U	µg/kg	85500	8400	1	"	"	"	"	"	
92-87-5	Benzidine	< 85500	U	µg/kg	85500	17200	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 17300	U	µg/kg	17300	9120	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 17300	U	µg/kg	17300	6430	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 17300	U	µg/kg	17300	8360	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 17300	U	µg/kg	17300	6940	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 17300	U	µg/kg	17300	6760	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 85500	U	µg/kg	85500	17900	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 85500	U	µg/kg	85500	7000	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 85500	U	µg/kg	85500	7590	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 43200	U	µg/kg	43200	6190	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 43200	U	µg/kg	43200	6660	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 43200	U	µg/kg	43200	10700	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 85500	U	µg/kg	85500	8000	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 85500	U	µg/kg	85500	9970	1	"	"	"	"	"	X
86-74-8	Carbazole	< 43200	U	µg/kg	43200	24100	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 85500	U	µg/kg	85500	8160	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 43200	U	µg/kg	43200	9350	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 85500	U	µg/kg	85500	7900	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 43200	U	µg/kg	43200	7690	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 85500	U	µg/kg	85500	10200	1	"	"	"	"	"	X
218-01-9	Chrysene	< 17300	U	µg/kg	17300	8620	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 17300	U	µg/kg	17300	6630	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 43200	U	µg/kg	43200	6580	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 85500	U	µg/kg	85500	7460	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 85500	U	µg/kg	85500	7460	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 85500	U	µg/kg	85500	7920	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 85500	U	µg/kg	85500	13000	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 43200	U	µg/kg	43200	8080	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 85500	U	µg/kg	85500	10600	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 85500	U	µg/kg	85500	9350	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Pump Decon	14800.0039	Liquid	30-Aug-17 11:40	01-Sep-17
SC38763-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
105-67-9	2,4-Dimethylphenol	< 85500	U	µg/kg	85500	6110	1	SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	X
84-74-2	Di-n-butyl phthalate	< 85500	U	µg/kg	85500	9060	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 85500	U	µg/kg	85500	11000	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 85500	U	µg/kg	85500	8700	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 43200	U	µg/kg	43200	16700	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 43200	U	µg/kg	43200	9740	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 85500	U	µg/kg	85500	9660	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 17300	U	µg/kg	17300	9130	1	"	"	"	"	"	X
86-73-7	Fluorene	< 17300	U	µg/kg	17300	8780	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 43200	U	µg/kg	43200	8510	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 43200	U	µg/kg	43200	10300	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 43200	U	µg/kg	43200	5880	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 43200	U	µg/kg	43200	9320	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 17300	U	µg/kg	17300	6210	1	"	"	"	"	"	X
78-59-1	Isophorone	< 43200	U	µg/kg	43200	8110	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 17300	U	µg/kg	17300	10400	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 85500	U	µg/kg	85500	7260	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 85500	U	µg/kg	85500	8260	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 17300	U	µg/kg	17300	8050	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 85500	U	µg/kg	85500	7250	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 85500	U	µg/kg	85500	11700	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 43200	U	µg/kg	43200	13300	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 43200	U	µg/kg	43200	7870	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 43200	U	µg/kg	43200	7170	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 342000	U	µg/kg	342000	13800	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 43200	U	µg/kg	43200	8030	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 43200	U	µg/kg	43200	8420	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 85500	U	µg/kg	85500	9270	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 85500	U	µg/kg	85500	9130	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 17300	U	µg/kg	17300	8040	1	"	"	"	"	"	X
108-95-2	Phenol	< 85500	U	µg/kg	85500	5620	1	"	"	"	"	"	X
129-00-0	Pyrene	< 17300	U	µg/kg	17300	9630	1	"	"	"	"	"	X
110-86-1	Pyridine	< 85500	U	µg/kg	85500	12700	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 85500	U	µg/kg	85500	8470	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 17300	U	µg/kg	17300	8490	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 85500	U	µg/kg	85500	7690	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 43200	U	µg/kg	43200	7710	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 85500	U	µg/kg	85500	13500	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 85500	U	µg/kg	85500	8290	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*74*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*82*			*30-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Pump Decon	14800.0039	Liquid	30-Aug-17 11:40	01-Sep-17
SC38763-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
4165-62-2	*Phenol-d5*	*80*			*30-130 %*			SW846 8270D	08-Sep-17	13-Sep-17	MSL	1715334	
1718-51-0	*Terphenyl-dl4*	*90*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*105*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3550C													
12674-11-2	Aroclor-1016	< 137	U	µg/kg	137	61.5	1	SW846 8082A	08-Sep-17	09-Sep-17	IMR	1715332	X
11104-28-2	Aroclor-1221	< 137	U	µg/kg	137	73.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 137	U	µg/kg	137	68.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 137	U	µg/kg	137	136	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 137	U	µg/kg	137	125	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 137	U	µg/kg	137	89.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 137	U	µg/kg	137	73.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 137	U	µg/kg	137	120	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 137	U	µg/kg	137	61.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3550C													
319-84-6	alpha-BHC	< 68.7	U	µg/kg	68.7	18.4	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
319-85-7	beta-BHC	< 68.7	U	µg/kg	68.7	27.2	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 68.7	U	µg/kg	68.7	19.8	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 41.2	U	µg/kg	41.2	19.8	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 68.7	U	µg/kg	68.7	22.9	1	"	"	"	"	"	X
309-00-2	Aldrin	< 68.7	U	µg/kg	68.7	21.2	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 68.7	U	µg/kg	68.7	24.3	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 68.7	U	µg/kg	68.7	24.2	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 68.7	U	µg/kg	68.7	24.2	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 68.7	U	µg/kg	68.7	21.7	1	"	"	"	"	"	X
72-20-8	Endrin	< 110	U	µg/kg	110	24.2	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 110	U	µg/kg	110	25.8	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 110	U	µg/kg	110	23.9	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 110	U	µg/kg	110	22.9	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 110	U	µg/kg	110	21.2	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 110	U	µg/kg	110	24.3	1	"	"	"	"	"	X
53494-70-5	Endrin Ketone	< 110	U	µg/kg	110	24.7	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 110	U	µg/kg	110	22.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Pump Decon	14800.0039	Liquid	30-Aug-17 11:40	01-Sep-17
SC38763-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Pesticides													
Organochlorine Pesticides													
5103-71-9	alpha-Chlordane	< 68.7	U	µg/kg	68.7	23.5	1	SW846 8081B	08-Sep-17	12-Sep-17	SM	1715333	X
5103-74-2	Chlordane (gamma)(trans)	< 68.7	U	µg/kg	68.7	24.7	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 1370	U	µg/kg	1370	297	1	"	"	"	"	"	X
57-74-9	Chlordane	< 275	U	µg/kg	275	272	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 68.7	U	µg/kg	68.7	33.7	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*99*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
	Non-polar material (SGT-HEM)	**145**		mg/kg	1.4	0.7	1	EPA 1664B	11-Sep-17	11-Sep-17	KK	1715447	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3051A													
7440-22-4	Silver	< 6.49	U	mg/kg	6.49	0.701	1	SW846 6010C	08-Sep-17	09-Sep-17	JLC	1715369	X
7429-90-5	Aluminum	< 23.8	R06, U	mg/kg	23.8	4.91	1	"	"	"	"	"	X
7440-38-2	Arsenic	< 6.49	U	mg/kg	6.49	0.822	1	"	"	"	"	"	X
7440-39-3	Barium	< 4.33	U	mg/kg	4.33	0.510	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 2.16	U	mg/kg	2.16	0.109	1	"	"	"	"	"	X
7440-70-2	Calcium	**47.1**	J	mg/kg	108	22.1	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 2.16	U	mg/kg	2.16	0.112	1	"	"	"	"	"	X
7440-48-4	Cobalt	< 4.33	U	mg/kg	4.33	0.250	1	"	"	"	"	"	X
7440-47-3	Chromium	< 4.33	U	mg/kg	4.33	0.575	1	"	"	"	"	"	X
7440-50-8	Copper	< 4.33	U	mg/kg	4.33	1.04	1	"	"	"	"	"	X
7439-89-6	Iron	< 175	R06, U	mg/kg	175	8.91	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0285	U	mg/kg	0.0285	0.0079	1	SW846 7471B	"	13-Sep-17	LNB	1715371	X
Prepared by method SW846 3051A													
7440-09-7	Potassium	**44.4**	J	mg/kg	216	15.1	1	SW846 6010C	"	09-Sep-17	JLC	1715369	X
7439-95-4	Magnesium	**7.57**	J	mg/kg	21.6	6.23	1	"	"	"	"	"	X
7439-96-5	Manganese	< 4.33	U	mg/kg	4.33	1.10	1	"	"	"	"	"	X
7440-23-5	Sodium	**400**	R06, J	mg/kg	2010	46.5	1	"	"	"	"	"	X
7440-02-0	Nickel	< 4.33	U	mg/kg	4.33	0.497	1	"	"	"	"	"	X
7439-92-1	Lead	< 6.49	U	mg/kg	6.49	0.917	1	"	"	"	"	"	X
7440-36-0	Antimony	< 21.6	U	mg/kg	21.6	1.63	1	"	"	"	"	"	X
7782-49-2	Selenium	< 6.49	U	mg/kg	6.49	1.24	1	"	"	"	"	"	X
7440-28-0	Thallium	< 13.0	U	mg/kg	13.0	4.77	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 6.49	U	mg/kg	6.49	1.15	1	"	"	"	"	"	X
7440-66-6	Zinc	< 4.54	R06, U	mg/kg	4.54	3.35	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Solids	**4,000**		mg/l	500	500	1	SM2540 B (11)	06-Sep-17	08-Sep-17	CMB	1715205	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	11-Sep-17	11-Sep-17	BD	1715495	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Pump Decon SC38763-16	14800.0039	Liquid	30-Aug-17 11:40	01-Sep-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Toxicity Characteristics													
	pH	**7.40**	pH	pH Units			1	SW846 9045D	01-Sep-17 15:45	01-Sep-17 17:55	BD	1715033	X
Reactivity Cyanide/Sulfide													
	Reactivity	**See Narrative**		mg/kg			1	SW846 Ch. 7.3	08-Sep-17	11-Sep-17	TN	1715415	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg	50.0	50.0	1	"	"	"	"	"	
Subcontracted Analyses													
Subcontracted Analyses Prepared by method 400336-										Methylation date: 06-Sep-17			
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
93-76-5	2,4,5-T	< 50		ug/L	50	50	10	SW8151A	06-Sep-17	08-Sep-17 00:26	CT007	400336A	
93-72-1	2,4,5-TP (Silvex)	< 50		ug/L	50	50	10	"	"	"	"	"	
94-75-7	2,4-D	< 100		ug/L	100	100	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000		ug/L	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 50		ug/L	50	50	10	"	"	"	"	"	
1918-00-9	Dicamba	< 50		ug/L	50	50	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 100		ug/L	100	100	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100		ug/L	100	100	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*63*			*30-150 %*			"	"	"	"	"	
Subcontracted Analyses Prepared by method NA													
Analysis performed by Summit Environmental - 11777													
	Total Organic Halides	**See Report**		mg/L			1	EPA 9020		08-Sep-17	11777	'[none]'	
Subcontracted Analyses													
Analysis performed by Sterling Analytical Lab -													
	Water, % (by volumne)	**>95**		% by Volume		0.10	1	SW846 9000	"	"		"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715207 - SW846 5035A Soil (high level)										
Blank (1715207-BLK1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	U, D	µg/kg	50.0						
Acetone	< 500	U, D	µg/kg	500						
Acrylonitrile	< 50.0	U, D	µg/kg	50.0						
Benzene	< 50.0	U, D	µg/kg	50.0						
Bromobenzene	< 50.0	U, D	µg/kg	50.0						
Bromochloromethane	< 50.0	U, D	µg/kg	50.0						
Bromodichloromethane	< 50.0	U, D	µg/kg	50.0						
Bromoform	< 50.0	U, D	µg/kg	50.0						
Bromomethane	< 100	U, D	µg/kg	100						
2-Butanone (MEK)	< 100	U, D	µg/kg	100						
n-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
sec-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
tert-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
Carbon disulfide	< 100	U, D	µg/kg	100						
Carbon tetrachloride	< 50.0	U, D	µg/kg	50.0						
Chlorobenzene	< 50.0	U, D	µg/kg	50.0						
Chloroethane	< 100	U, D	µg/kg	100						
Chloroform	< 50.0	U, D	µg/kg	50.0						
Chloromethane	< 100	U, D	µg/kg	100						
2-Chlorotoluene	< 50.0	U, D	µg/kg	50.0						
4-Chlorotoluene	< 50.0	U, D	µg/kg	50.0						
1,2-Dibromo-3-chloropropane	< 100	U, D	µg/kg	100						
Dibromochloromethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dibromoethane (EDB)	< 50.0	U, D	µg/kg	50.0						
Dibromomethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,3-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,4-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
Dichlorodifluoromethane (Freon12)	< 100	U, D	µg/kg	100						
1,1-Dichloroethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dichloroethane	< 50.0	U, D	µg/kg	50.0						
1,1-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
cis-1,2-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
trans-1,2-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
1,2-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
1,3-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
2,2-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
1,1-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
cis-1,3-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
trans-1,3-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
Ethylbenzene	< 50.0	U, D	µg/kg	50.0						
Hexachlorobutadiene	< 50.0	U, D	µg/kg	50.0						
2-Hexanone (MBK)	< 100	U, D	µg/kg	100						
Isopropylbenzene	< 50.0	U, D	µg/kg	50.0						
4-Isopropyltoluene	< 50.0	U, D	µg/kg	50.0						
Methyl tert-butyl ether	< 50.0	U, D	µg/kg	50.0						
4-Methyl-2-pentanone (MIBK)	< 100	U, D	µg/kg	100						
Methylene chloride	< 100	U, D	µg/kg	100						
Naphthalene	< 50.0	U, D	µg/kg	50.0						
n-Propylbenzene	< 50.0	U, D	µg/kg	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715207 - SW846 5035A Soil (high level)										
Blank (1715207-BLK1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
Styrene	< 50.0	U, D	µg/kg	50.0						
1,1,1,2-Tetrachloroethane	< 50.0	U, D	µg/kg	50.0						
1,1,2,2-Tetrachloroethane	< 50.0	U, D	µg/kg	50.0						
Tetrachloroethene	< 50.0	U, D	µg/kg	50.0						
Toluene	< 50.0	U, D	µg/kg	50.0						
1,2,3-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,2,4-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,3,5-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,1,1-Trichloroethane	< 50.0	U, D	µg/kg	50.0						
1,1,2-Trichloroethane	< 50.0	U, D	µg/kg	50.0						
Trichloroethene	< 50.0	U, D	µg/kg	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0	U, D	µg/kg	50.0						
1,2,3-Trichloropropane	< 50.0	U, D	µg/kg	50.0						
1,2,4-Trimethylbenzene	< 50.0	U, D	µg/kg	50.0						
1,3,5-Trimethylbenzene	< 50.0	U, D	µg/kg	50.0						
Vinyl chloride	< 50.0	U, D	µg/kg	50.0						
m,p-Xylene	< 100	U, D	µg/kg	100						
o-Xylene	< 50.0	U, D	µg/kg	50.0						
Tetrahydrofuran	< 100	U, D	µg/kg	100						
Ethyl ether	< 50.0	U, D	µg/kg	50.0						
Tert-amyl methyl ether	< 50.0	U, D	µg/kg	50.0						
Ethyl tert-butyl ether	< 50.0	U, D	µg/kg	50.0						
Di-isopropyl ether	< 50.0	U, D	µg/kg	50.0						
Tert-Butanol / butyl alcohol	< 500	U, D	µg/kg	500						
1,4-Dioxane	< 1000	U, D	µg/kg	1000						
trans-1,4-Dichloro-2-butene	< 250	U, D	µg/kg	250						
Ethanol	< 10000	U, D	µg/kg	10000						
Surrogate: 4-Bromofluorobenzene	*44.4*		µg/kg		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*54.0*		µg/kg		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/kg		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*48.7*		µg/kg		*50.0*		*97*	*70-130*		
LCS (1715207-BS1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**25.1**	D	µg/kg		20.0		126	70-130		
Acetone	**24.7**	D	µg/kg		20.0		123	70-130		
Acrylonitrile	**24.4**	D	µg/kg		20.0		122	70-130		
Benzene	**25.7**	D	µg/kg		20.0		128	70-130		
Bromobenzene	**23.4**	D	µg/kg		20.0		117	70-130		
Bromochloromethane	**26.0**	D	µg/kg		20.0		130	70-130		
Bromodichloromethane	**25.9**	D	µg/kg		20.0		130	70-130		
Bromoform	**25.7**	D	µg/kg		20.0		129	70-130		
Bromomethane	**20.6**	D	µg/kg		20.0		103	70-130		
2-Butanone (MEK)	**24.2**	D	µg/kg		20.0		121	70-130		
n-Butylbenzene	**18.4**	D	µg/kg		20.0		92	70-130		
sec-Butylbenzene	**20.8**	D	µg/kg		20.0		104	70-130		
tert-Butylbenzene	**20.6**	D	µg/kg		20.0		103	70-130		
Carbon disulfide	**24.0**	D	µg/kg		20.0		120	70-130		
Carbon tetrachloride	**28.8**	QM9, D	µg/kg		20.0		144	70-130		
Chlorobenzene	**22.4**	D	µg/kg		20.0		112	70-130		
Chloroethane	**22.7**	D	µg/kg		20.0		114	70-130		
Chloroform	**25.6**	D	µg/kg		20.0		128	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715207 - SW846 5035A Soil (high level)										
LCS (1715207-BS1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
Chloromethane	**21.7**	D	µg/kg		20.0		108	70-130		
2-Chlorotoluene	**21.0**	D	µg/kg		20.0		105	70-130		
4-Chlorotoluene	**20.4**	D	µg/kg		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	**20.7**	D	µg/kg		20.0		104	70-130		
Dibromochloromethane	**28.2**	QM9, D	µg/kg		20.0		141	70-130		
1,2-Dibromoethane (EDB)	**25.4**	D	µg/kg		20.0		127	70-130		
Dibromomethane	**25.1**	D	µg/kg		20.0		126	70-130		
1,2-Dichlorobenzene	**21.6**	D	µg/kg		20.0		108	70-130		
1,3-Dichlorobenzene	**21.3**	D	µg/kg		20.0		107	70-130		
1,4-Dichlorobenzene	**20.7**	D	µg/kg		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	**23.9**	D	µg/kg		20.0		119	70-130		
1,1-Dichloroethane	**24.5**	D	µg/kg		20.0		123	70-130		
1,2-Dichloroethane	**25.1**	D	µg/kg		20.0		126	70-130		
1,1-Dichloroethene	**24.9**	D	µg/kg		20.0		124	70-130		
cis-1,2-Dichloroethene	**25.8**	D	µg/kg		20.0		129	70-130		
trans-1,2-Dichloroethene	**24.9**	D	µg/kg		20.0		125	70-130		
1,2-Dichloropropane	**24.2**	D	µg/kg		20.0		121	70-130		
1,3-Dichloropropane	**24.6**	D	µg/kg		20.0		123	70-130		
2,2-Dichloropropane	**25.7**	D	µg/kg		20.0		129	70-130		
1,1-Dichloropropene	**25.6**	D	µg/kg		20.0		128	70-130		
cis-1,3-Dichloropropene	**24.6**	D	µg/kg		20.0		123	70-130		
trans-1,3-Dichloropropene	**27.1**	QM9, D	µg/kg		20.0		135	70-130		
Ethylbenzene	**23.2**	D	µg/kg		20.0		116	70-130		
Hexachlorobutadiene	**20.6**	D	µg/kg		20.0		103	70-130		
2-Hexanone (MBK)	**21.8**	D	µg/kg		20.0		109	70-130		
Isopropylbenzene	**20.8**	D	µg/kg		20.0		104	70-130		
4-Isopropyltoluene	**19.4**	D	µg/kg		20.0		97	70-130		
Methyl tert-butyl ether	**25.9**	D	µg/kg		20.0		129	70-130		
4-Methyl-2-pentanone (MIBK)	**24.0**	D	µg/kg		20.0		120	70-130		
Methylene chloride	**23.8**	D	µg/kg		20.0		119	70-130		
Naphthalene	**19.6**	D	µg/kg		20.0		98	70-130		
n-Propylbenzene	**20.7**	D	µg/kg		20.0		104	70-130		
Styrene	**20.9**	D	µg/kg		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	**25.4**	D	µg/kg		20.0		127	70-130		
1,1,2,2-Tetrachloroethane	**24.9**	D	µg/kg		20.0		124	70-130		
Tetrachloroethene	**25.9**	D	µg/kg		20.0		129	70-130		
Toluene	**25.4**	D	µg/kg		20.0		127	70-130		
1,2,3-Trichlorobenzene	**22.0**	D	µg/kg		20.0		110	70-130		
1,2,4-Trichlorobenzene	**20.4**	D	µg/kg		20.0		102	70-130		
1,3,5-Trichlorobenzene	**20.3**	D	µg/kg		20.0		101	70-130		
1,1,1-Trichloroethane	**26.0**	D	µg/kg		20.0		130	70-130		
1,1,2-Trichloroethane	**25.2**	D	µg/kg		20.0		126	70-130		
Trichloroethene	**24.0**	D	µg/kg		20.0		120	70-130		
Trichlorofluoromethane (Freon 11)	**22.9**	D	µg/kg		20.0		114	70-130		
1,2,3-Trichloropropane	**22.4**	D	µg/kg		20.0		112	70-130		
1,2,4-Trimethylbenzene	**20.2**	D	µg/kg		20.0		101	70-130		
1,3,5-Trimethylbenzene	**20.9**	D	µg/kg		20.0		105	70-130		
Vinyl chloride	**24.5**	D	µg/kg		20.0		122	70-130		
m,p-Xylene	**20.8**	D	µg/kg		20.0		104	70-130		
o-Xylene	**20.5**	D	µg/kg		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715207 - SW846 5035A Soil (high level)										
LCS (1715207-BS1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
Tetrahydrofuran	**23.2**	D	µg/kg		20.0		116	70-130		
Ethyl ether	**24.3**	D	µg/kg		20.0		121	70-130		
Tert-amyl methyl ether	**27.9**	QM9, D	µg/kg		20.0		140	70-130		
Ethyl tert-butyl ether	**27.1**	QM9, D	µg/kg		20.0		135	70-130		
Di-isopropyl ether	**25.5**	D	µg/kg		20.0		127	70-130		
Tert-Butanol / butyl alcohol	**227**	D	µg/kg		200		113	70-130		
1,4-Dioxane	**228**	D	µg/kg		200		114	70-130		
trans-1,4-Dichloro-2-butene	**23.0**	D	µg/kg		20.0		115	70-130		
Ethanol	**411**	D	µg/kg		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*53.6*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*54.5*		µg/kg		*50.0*		*109*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.9*		µg/kg		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/kg		*50.0*		*103*	*70-130*		
LCS Dup (1715207-BSD1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**22.9**	D	µg/kg		20.0		114	70-130	9	30
Acetone	**22.8**	D	µg/kg		20.0		114	70-130	8	30
Acrylonitrile	**23.8**	D	µg/kg		20.0		119	70-130	3	30
Benzene	**25.0**	D	µg/kg		20.0		125	70-130	3	30
Bromobenzene	**22.2**	D	µg/kg		20.0		111	70-130	5	30
Bromochloromethane	**23.9**	D	µg/kg		20.0		119	70-130	8	30
Bromodichloromethane	**23.8**	D	µg/kg		20.0		119	70-130	8	30
Bromoform	**23.0**	D	µg/kg		20.0		115	70-130	11	30
Bromomethane	**19.5**	D	µg/kg		20.0		98	70-130	6	30
2-Butanone (MEK)	**22.8**	D	µg/kg		20.0		114	70-130	6	30
n-Butylbenzene	**16.6**	D	µg/kg		20.0		83	70-130	10	30
sec-Butylbenzene	**19.0**	D	µg/kg		20.0		95	70-130	9	30
tert-Butylbenzene	**19.1**	D	µg/kg		20.0		96	70-130	7	30
Carbon disulfide	**21.6**	D	µg/kg		20.0		108	70-130	11	30
Carbon tetrachloride	**25.5**	D	µg/kg		20.0		128	70-130	12	30
Chlorobenzene	**21.1**	D	µg/kg		20.0		106	70-130	6	30
Chloroethane	**20.2**	D	µg/kg		20.0		101	70-130	12	30
Chloroform	**23.8**	D	µg/kg		20.0		119	70-130	7	30
Chloromethane	**20.2**	D	µg/kg		20.0		101	70-130	7	30
2-Chlorotoluene	**19.7**	D	µg/kg		20.0		98	70-130	6	30
4-Chlorotoluene	**19.0**	D	µg/kg		20.0		95	70-130	7	30
1,2-Dibromo-3-chloropropane	**18.6**	D	µg/kg		20.0		93	70-130	11	30
Dibromochloromethane	**25.4**	D	µg/kg		20.0		127	70-130	11	30
1,2-Dibromoethane (EDB)	**23.9**	D	µg/kg		20.0		120	70-130	6	30
Dibromomethane	**23.4**	D	µg/kg		20.0		117	70-130	7	30
1,2-Dichlorobenzene	**20.2**	D	µg/kg		20.0		101	70-130	6	30
1,3-Dichlorobenzene	**20.0**	D	µg/kg		20.0		100	70-130	6	30
1,4-Dichlorobenzene	**19.7**	D	µg/kg		20.0		99	70-130	5	30
Dichlorodifluoromethane (Freon12)	**22.0**	D	µg/kg		20.0		110	70-130	8	30
1,1-Dichloroethane	**22.9**	D	µg/kg		20.0		114	70-130	7	30
1,2-Dichloroethane	**23.6**	D	µg/kg		20.0		118	70-130	6	30
1,1-Dichloroethene	**22.3**	D	µg/kg		20.0		112	70-130	11	30
cis-1,2-Dichloroethene	**24.0**	D	µg/kg		20.0		120	70-130	7	30
trans-1,2-Dichloroethene	**22.6**	D	µg/kg		20.0		113	70-130	10	30
1,2-Dichloropropane	**23.1**	D	µg/kg		20.0		116	70-130	4	30
1,3-Dichloropropane	**23.5**	D	µg/kg		20.0		118	70-130	4	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715207 - SW846 5035A Soil (high level)										
LCS Dup (1715207-BSD1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
2,2-Dichloropropane	**22.9**	D	µg/kg		20.0		115	70-130	12	30
1,1-Dichloropropene	**23.6**	D	µg/kg		20.0		118	70-130	8	30
cis-1,3-Dichloropropene	**22.9**	D	µg/kg		20.0		114	70-130	7	30
trans-1,3-Dichloropropene	**25.0**	D	µg/kg		20.0		125	70-130	8	30
Ethylbenzene	**21.5**	D	µg/kg		20.0		107	70-130	8	30
Hexachlorobutadiene	**18.6**	D	µg/kg		20.0		93	70-130	10	30
2-Hexanone (MBK)	**20.1**	D	µg/kg		20.0		100	70-130	8	30
Isopropylbenzene	**19.3**	D	µg/kg		20.0		96	70-130	8	30
4-Isopropyltoluene	**17.9**	D	µg/kg		20.0		90	70-130	8	30
Methyl tert-butyl ether	**23.7**	D	µg/kg		20.0		119	70-130	9	30
4-Methyl-2-pentanone (MIBK)	**22.1**	D	µg/kg		20.0		110	70-130	8	30
Methylene chloride	**21.9**	D	µg/kg		20.0		110	70-130	8	30
Naphthalene	**18.6**	D	µg/kg		20.0		93	70-130	5	30
n-Propylbenzene	**19.0**	D	µg/kg		20.0		95	70-130	8	30
Styrene	**18.8**	D	µg/kg		20.0		94	70-130	11	30
1,1,1,2-Tetrachloroethane	**23.1**	D	µg/kg		20.0		116	70-130	9	30
1,1,2,2-Tetrachloroethane	**23.9**	D	µg/kg		20.0		120	70-130	4	30
Tetrachloroethene	**23.8**	D	µg/kg		20.0		119	70-130	8	30
Toluene	**23.6**	D	µg/kg		20.0		118	70-130	7	30
1,2,3-Trichlorobenzene	**20.3**	D	µg/kg		20.0		101	70-130	8	30
1,2,4-Trichlorobenzene	**19.3**	D	µg/kg		20.0		96	70-130	6	30
1,3,5-Trichlorobenzene	**18.8**	D	µg/kg		20.0		94	70-130	7	30
1,1,1-Trichloroethane	**23.8**	D	µg/kg		20.0		119	70-130	9	30
1,1,2-Trichloroethane	**23.8**	D	µg/kg		20.0		119	70-130	6	30
Trichloroethene	**21.8**	D	µg/kg		20.0		109	70-130	10	30
Trichlorofluoromethane (Freon 11)	**20.6**	D	µg/kg		20.0		103	70-130	11	30
1,2,3-Trichloropropane	**21.3**	D	µg/kg		20.0		106	70-130	5	30
1,2,4-Trimethylbenzene	**18.8**	D	µg/kg		20.0		94	70-130	7	30
1,3,5-Trimethylbenzene	**19.3**	D	µg/kg		20.0		96	70-130	8	30
Vinyl chloride	**21.6**	D	µg/kg		20.0		108	70-130	12	30
m,p-Xylene	**19.4**	D	µg/kg		20.0		97	70-130	7	30
o-Xylene	**19.1**	D	µg/kg		20.0		96	70-130	7	30
Tetrahydrofuran	**22.7**	D	µg/kg		20.0		114	70-130	2	30
Ethyl ether	**23.9**	D	µg/kg		20.0		119	70-130	2	30
Tert-amyl methyl ether	**26.0**	D	µg/kg		20.0		130	70-130	7	30
Ethyl tert-butyl ether	**25.8**	D	µg/kg		20.0		129	70-130	5	30
Di-isopropyl ether	**24.0**	D	µg/kg		20.0		120	70-130	6	30
Tert-Butanol / butyl alcohol	**213**	D	µg/kg		200		106	70-130	6	30
1,4-Dioxane	**209**	D	µg/kg		200		104	70-130	9	30
trans-1,4-Dichloro-2-butene	**20.6**	D	µg/kg		20.0		103	70-130	11	30
Ethanol	**413**	D	µg/kg		400		103	70-130	0.4	30
Surrogate: 4-Bromofluorobenzene	*53.3*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*53.4*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/kg		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/kg		*50.0*		*103*	*70-130*		
Batch 1715478 - SW846 5035A Soil (high level)										
Blank (1715478-BLK1)					Prepared & Analyzed: 11-Sep-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	U, D	µg/kg	50.0						
Acetone	< 500	U, D	µg/kg	500						
Acrylonitrile	< 50.0	U, D	µg/kg	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715478 - SW846 5035A Soil (high level)										
Blank (1715478-BLK1)					Prepared & Analyzed: 11-Sep-17					
Benzene	< 50.0	U, D	µg/kg	50.0						
Bromobenzene	< 50.0	U, D	µg/kg	50.0						
Bromochloromethane	< 50.0	U, D	µg/kg	50.0						
Bromodichloromethane	< 50.0	U, D	µg/kg	50.0						
Bromoform	< 50.0	U, D	µg/kg	50.0						
Bromomethane	< 100	U, D	µg/kg	100						
2-Butanone (MEK)	< 100	U, D	µg/kg	100						
n-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
sec-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
tert-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
Carbon disulfide	< 100	U, D	µg/kg	100						
Carbon tetrachloride	< 50.0	U, D	µg/kg	50.0						
Chlorobenzene	< 50.0	U, D	µg/kg	50.0						
Chloroethane	< 100	U, D	µg/kg	100						
Chloroform	< 50.0	U, D	µg/kg	50.0						
Chloromethane	< 100	U, D	µg/kg	100						
2-Chlorotoluene	< 50.0	U, D	µg/kg	50.0						
4-Chlorotoluene	< 50.0	U, D	µg/kg	50.0						
1,2-Dibromo-3-chloropropane	< 100	U, D	µg/kg	100						
Dibromochloromethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dibromoethane (EDB)	< 50.0	U, D	µg/kg	50.0						
Dibromomethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,3-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,4-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
Dichlorodifluoromethane (Freon12)	< 100	U, D	µg/kg	100						
1,1-Dichloroethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dichloroethane	< 50.0	U, D	µg/kg	50.0						
1,1-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
cis-1,2-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
trans-1,2-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
1,2-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
1,3-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
2,2-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
1,1-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
cis-1,3-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
trans-1,3-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
Ethylbenzene	< 50.0	U, D	µg/kg	50.0						
Hexachlorobutadiene	< 50.0	U, D	µg/kg	50.0						
2-Hexanone (MBK)	< 100	U, D	µg/kg	100						
Isopropylbenzene	< 50.0	U, D	µg/kg	50.0						
4-Isopropyltoluene	< 50.0	U, D	µg/kg	50.0						
Methyl tert-butyl ether	< 50.0	U, D	µg/kg	50.0						
4-Methyl-2-pentanone (MIBK)	< 100	U, D	µg/kg	100						
Methylene chloride	< 100	U, D	µg/kg	100						
Naphthalene	< 50.0	U, D	µg/kg	50.0						
n-Propylbenzene	< 50.0	U, D	µg/kg	50.0						
Styrene	< 50.0	U, D	µg/kg	50.0						
1,1,1,2-Tetrachloroethane	< 50.0	U, D	µg/kg	50.0						
1,1,2,2-Tetrachloroethane	< 50.0	U, D	µg/kg	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715478 - SW846 5035A Soil (high level)										
Blank (1715478-BLK1)						Prepared & Analyzed: 11-Sep-17				
Tetrachloroethene	< 50.0	U, D	µg/kg	50.0						
Toluene	< 50.0	U, D	µg/kg	50.0						
1,2,3-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,2,4-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,3,5-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,1,1-Trichloroethane	< 50.0	U, D	µg/kg	50.0						
1,1,2-Trichloroethane	< 50.0	U, D	µg/kg	50.0						
Trichloroethene	< 50.0	U, D	µg/kg	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0	U, D	µg/kg	50.0						
1,2,3-Trichloropropane	< 50.0	U, D	µg/kg	50.0						
1,2,4-Trimethylbenzene	< 50.0	U, D	µg/kg	50.0						
1,3,5-Trimethylbenzene	< 50.0	U, D	µg/kg	50.0						
Vinyl chloride	< 50.0	U, D	µg/kg	50.0						
m,p-Xylene	< 100	U, D	µg/kg	100						
o-Xylene	< 50.0	U, D	µg/kg	50.0						
Tetrahydrofuran	< 100	U, D	µg/kg	100						
Ethyl ether	< 50.0	U, D	µg/kg	50.0						
Tert-amyl methyl ether	< 50.0	U, D	µg/kg	50.0						
Ethyl tert-butyl ether	< 50.0	U, D	µg/kg	50.0						
Di-isopropyl ether	< 50.0	U, D	µg/kg	50.0						
Tert-Butanol / butyl alcohol	< 500	U, D	µg/kg	500						
1,4-Dioxane	< 1000	U, D	µg/kg	1000						
trans-1,4-Dichloro-2-butene	< 250	U, D	µg/kg	250						
Ethanol	< 10000	U, D	µg/kg	10000						
Surrogate: 4-Bromofluorobenzene	*39.7*		µg/kg		*50.0*		*79*	*70-130*		
Surrogate: Toluene-d8	*55.7*		µg/kg		*50.0*		*111*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*63.7*		µg/kg		*50.0*		*127*	*70-130*		
Surrogate: Dibromofluoromethane	*60.2*		µg/kg		*50.0*		*120*	*70-130*		
LCS (1715478-BS1)						Prepared & Analyzed: 11-Sep-17				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**22.8**	D	µg/kg		20.0		114	70-130		
Acetone	**22.2**	D	µg/kg		20.0		111	70-130		
Acrylonitrile	**23.6**	D	µg/kg		20.0		118	70-130		
Benzene	**25.2**	D	µg/kg		20.0		126	70-130		
Bromobenzene	**21.4**	D	µg/kg		20.0		107	70-130		
Bromochloromethane	**25.3**	D	µg/kg		20.0		126	70-130		
Bromodichloromethane	**24.8**	D	µg/kg		20.0		124	70-130		
Bromoform	**22.4**	D	µg/kg		20.0		112	70-130		
Bromomethane	**21.9**	D	µg/kg		20.0		109	70-130		
2-Butanone (MEK)	**23.4**	D	µg/kg		20.0		117	70-130		
n-Butylbenzene	**15.7**	D	µg/kg		20.0		78	70-130		
sec-Butylbenzene	**18.6**	D	µg/kg		20.0		93	70-130		
tert-Butylbenzene	**18.4**	D	µg/kg		20.0		92	70-130		
Carbon disulfide	**21.7**	D	µg/kg		20.0		108	70-130		
Carbon tetrachloride	**25.6**	D	µg/kg		20.0		128	70-130		
Chlorobenzene	**20.9**	D	µg/kg		20.0		104	70-130		
Chloroethane	**23.4**	D	µg/kg		20.0		117	70-130		
Chloroform	**23.8**	D	µg/kg		20.0		119	70-130		
Chloromethane	**20.8**	D	µg/kg		20.0		104	70-130		
2-Chlorotoluene	**19.1**	D	µg/kg		20.0		96	70-130		
4-Chlorotoluene	**18.2**	D	µg/kg		20.0		91	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715478 - SW846 5035A Soil (high level)										
LCS (1715478-BS1)					Prepared & Analyzed: 11-Sep-17					
1,2-Dibromo-3-chloropropane	**17.8**	D	µg/kg		20.0		89	70-130		
Dibromochloromethane	**25.6**	D	µg/kg		20.0		128	70-130		
1,2-Dibromoethane (EDB)	**23.8**	D	µg/kg		20.0		119	70-130		
Dibromomethane	**24.6**	D	µg/kg		20.0		123	70-130		
1,2-Dichlorobenzene	**19.8**	D	µg/kg		20.0		99	70-130		
1,3-Dichlorobenzene	**19.5**	D	µg/kg		20.0		98	70-130		
1,4-Dichlorobenzene	**19.1**	D	µg/kg		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	**21.5**	D	µg/kg		20.0		107	70-130		
1,1-Dichloroethane	**23.6**	D	µg/kg		20.0		118	70-130		
1,2-Dichloroethane	**23.9**	D	µg/kg		20.0		119	70-130		
1,1-Dichloroethene	**21.9**	D	µg/kg		20.0		110	70-130		
cis-1,2-Dichloroethene	**23.7**	D	µg/kg		20.0		118	70-130		
trans-1,2-Dichloroethene	**21.7**	D	µg/kg		20.0		108	70-130		
1,2-Dichloropropane	**23.7**	D	µg/kg		20.0		118	70-130		
1,3-Dichloropropane	**23.6**	D	µg/kg		20.0		118	70-130		
2,2-Dichloropropane	**23.3**	D	µg/kg		20.0		116	70-130		
1,1-Dichloropropene	**23.3**	D	µg/kg		20.0		116	70-130		
cis-1,3-Dichloropropene	**22.2**	D	µg/kg		20.0		111	70-130		
trans-1,3-Dichloropropene	**25.1**	D	µg/kg		20.0		126	70-130		
Ethylbenzene	**21.0**	D	µg/kg		20.0		105	70-130		
Hexachlorobutadiene	**18.8**	D	µg/kg		20.0		94	70-130		
2-Hexanone (MBK)	**20.3**	D	µg/kg		20.0		101	70-130		
Isopropylbenzene	**18.5**	D	µg/kg		20.0		92	70-130		
4-Isopropyltoluene	**17.1**	D	µg/kg		20.0		85	70-130		
Methyl tert-butyl ether	**23.8**	D	µg/kg		20.0		119	70-130		
4-Methyl-2-pentanone (MIBK)	**23.1**	D	µg/kg		20.0		115	70-130		
Methylene chloride	**22.8**	D	µg/kg		20.0		114	70-130		
Naphthalene	**16.5**	D	µg/kg		20.0		82	70-130		
n-Propylbenzene	**18.5**	D	µg/kg		20.0		93	70-130		
Styrene	**18.5**	D	µg/kg		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	**23.0**	D	µg/kg		20.0		115	70-130		
1,1,2,2-Tetrachloroethane	**23.5**	D	µg/kg		20.0		118	70-130		
Tetrachloroethene	**23.8**	D	µg/kg		20.0		119	70-130		
Toluene	**23.6**	D	µg/kg		20.0		118	70-130		
1,2,3-Trichlorobenzene	**18.6**	D	µg/kg		20.0		93	70-130		
1,2,4-Trichlorobenzene	**17.2**	D	µg/kg		20.0		86	70-130		
1,3,5-Trichlorobenzene	**17.8**	D	µg/kg		20.0		89	70-130		
1,1,1-Trichloroethane	**25.2**	D	µg/kg		20.0		126	70-130		
1,1,2-Trichloroethane	**25.0**	D	µg/kg		20.0		125	70-130		
Trichloroethene	**22.9**	D	µg/kg		20.0		114	70-130		
Trichlorofluoromethane (Freon 11)	**22.8**	D	µg/kg		20.0		114	70-130		
1,2,3-Trichloropropane	**21.5**	D	µg/kg		20.0		108	70-130		
1,2,4-Trimethylbenzene	**18.1**	D	µg/kg		20.0		90	70-130		
1,3,5-Trimethylbenzene	**19.0**	D	µg/kg		20.0		95	70-130		
Vinyl chloride	**22.0**	D	µg/kg		20.0		110	70-130		
m,p-Xylene	**18.7**	D	µg/kg		20.0		93	70-130		
o-Xylene	**18.4**	D	µg/kg		20.0		92	70-130		
Tetrahydrofuran	**21.9**	D	µg/kg		20.0		109	70-130		
Ethyl ether	**23.8**	D	µg/kg		20.0		119	70-130		
Tert-amyl methyl ether	**25.6**	D	µg/kg		20.0		128	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715478 - SW846 5035A Soil (high level)										
LCS (1715478-BS1)					Prepared & Analyzed: 11-Sep-17					
Ethyl tert-butyl ether	**25.1**	D	µg/kg		20.0		126	70-130		
Di-isopropyl ether	**23.6**	D	µg/kg		20.0		118	70-130		
Tert-Butanol / butyl alcohol	**217**	D	µg/kg		200		109	70-130		
1,4-Dioxane	**211**	D	µg/kg		200		106	70-130		
trans-1,4-Dichloro-2-butene	**20.0**	D	µg/kg		20.0		100	70-130		
Ethanol	**388**	D	µg/kg		400		97	70-130		
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/kg		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*54.7*		µg/kg		*50.0*		*109*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.5*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*53.1*		µg/kg		*50.0*		*106*	*70-130*		
LCS Dup (1715478-BSD1)					Prepared & Analyzed: 11-Sep-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**22.0**	D	µg/kg		20.0		110	70-130	4	30
Acetone	**23.8**	D	µg/kg		20.0		119	70-130	7	30
Acrylonitrile	**24.0**	D	µg/kg		20.0		120	70-130	2	30
Benzene	**23.8**	D	µg/kg		20.0		119	70-130	6	30
Bromobenzene	**21.3**	D	µg/kg		20.0		106	70-130	0.6	30
Bromochloromethane	**25.2**	D	µg/kg		20.0		126	70-130	0.5	30
Bromodichloromethane	**23.7**	D	µg/kg		20.0		119	70-130	4	30
Bromoform	**22.3**	D	µg/kg		20.0		112	70-130	0.3	30
Bromomethane	**21.8**	D	µg/kg		20.0		109	70-130	0.3	30
2-Butanone (MEK)	**23.7**	D	µg/kg		20.0		119	70-130	1	30
n-Butylbenzene	**15.7**	D	µg/kg		20.0		79	70-130	0.3	30
sec-Butylbenzene	**18.2**	D	µg/kg		20.0		91	70-130	2	30
tert-Butylbenzene	**17.9**	D	µg/kg		20.0		90	70-130	3	30
Carbon disulfide	**21.0**	D	µg/kg		20.0		105	70-130	3	30
Carbon tetrachloride	**24.0**	D	µg/kg		20.0		120	70-130	6	30
Chlorobenzene	**20.6**	D	µg/kg		20.0		103	70-130	1	30
Chloroethane	**21.2**	D	µg/kg		20.0		106	70-130	10	30
Chloroform	**23.5**	D	µg/kg		20.0		117	70-130	1	30
Chloromethane	**20.1**	D	µg/kg		20.0		101	70-130	4	30
2-Chlorotoluene	**18.8**	D	µg/kg		20.0		94	70-130	2	30
4-Chlorotoluene	**18.1**	D	µg/kg		20.0		90	70-130	0.7	30
1,2-Dibromo-3-chloropropane	**17.8**	D	µg/kg		20.0		89	70-130	0.3	30
Dibromochloromethane	**25.3**	D	µg/kg		20.0		126	70-130	1	30
1,2-Dibromoethane (EDB)	**25.0**	D	µg/kg		20.0		125	70-130	5	30
Dibromomethane	**23.9**	D	µg/kg		20.0		120	70-130	3	30
1,2-Dichlorobenzene	**19.0**	D	µg/kg		20.0		95	70-130	4	30
1,3-Dichlorobenzene	**19.2**	D	µg/kg		20.0		96	70-130	2	30
1,4-Dichlorobenzene	**18.6**	D	µg/kg		20.0		93	70-130	2	30
Dichlorodifluoromethane (Freon12)	**21.0**	D	µg/kg		20.0		105	70-130	2	30
1,1-Dichloroethane	**22.9**	D	µg/kg		20.0		114	70-130	3	30
1,2-Dichloroethane	**23.8**	D	µg/kg		20.0		119	70-130	0.2	30
1,1-Dichloroethene	**21.2**	D	µg/kg		20.0		106	70-130	3	30
cis-1,2-Dichloroethene	**23.4**	D	µg/kg		20.0		117	70-130	1	30
trans-1,2-Dichloroethene	**21.3**	D	µg/kg		20.0		107	70-130	2	30
1,2-Dichloropropane	**23.3**	D	µg/kg		20.0		116	70-130	2	30
1,3-Dichloropropane	**23.5**	D	µg/kg		20.0		117	70-130	0.5	30
2,2-Dichloropropane	**22.9**	D	µg/kg		20.0		114	70-130	2	30
1,1-Dichloropropene	**22.7**	D	µg/kg		20.0		114	70-130	2	30
cis-1,3-Dichloropropene	**22.6**	D	µg/kg		20.0		113	70-130	1	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715478 - SW846 5035A Soil (high level)										
LCS Dup (1715478-BSD1)					Prepared & Analyzed: 11-Sep-17					
trans-1,3-Dichloropropene	**25.3**	D	µg/kg		20.0		127	70-130	0.8	30
Ethylbenzene	**20.8**	D	µg/kg		20.0		104	70-130	1	30
Hexachlorobutadiene	**18.0**	D	µg/kg		20.0		90	70-130	4	30
2-Hexanone (MBK)	**20.6**	D	µg/kg		20.0		103	70-130	2	30
Isopropylbenzene	**18.3**	D	µg/kg		20.0		91	70-130	1	30
4-Isopropyltoluene	**16.4**	D	µg/kg		20.0		82	70-130	4	30
Methyl tert-butyl ether	**24.0**	D	µg/kg		20.0		120	70-130	0.6	30
4-Methyl-2-pentanone (MIBK)	**23.5**	D	µg/kg		20.0		118	70-130	2	30
Methylene chloride	**22.3**	D	µg/kg		20.0		111	70-130	2	30
Naphthalene	**16.2**	D	µg/kg		20.0		81	70-130	2	30
n-Propylbenzene	**18.1**	D	µg/kg		20.0		90	70-130	3	30
Styrene	**18.2**	D	µg/kg		20.0		91	70-130	1	30
1,1,1,2-Tetrachloroethane	**22.6**	D	µg/kg		20.0		113	70-130	2	30
1,1,2,2-Tetrachloroethane	**23.7**	D	µg/kg		20.0		119	70-130	0.8	30
Tetrachloroethene	**23.6**	D	µg/kg		20.0		118	70-130	0.8	30
Toluene	**23.6**	D	µg/kg		20.0		118	70-130	0.04	30
1,2,3-Trichlorobenzene	**18.7**	D	µg/kg		20.0		93	70-130	0.4	30
1,2,4-Trichlorobenzene	**17.1**	D	µg/kg		20.0		86	70-130	0.5	30
1,3,5-Trichlorobenzene	**17.5**	D	µg/kg		20.0		88	70-130	1	30
1,1,1-Trichloroethane	**23.6**	D	µg/kg		20.0		118	70-130	6	30
1,1,2-Trichloroethane	**23.9**	D	µg/kg		20.0		120	70-130	4	30
Trichloroethene	**22.5**	D	µg/kg		20.0		112	70-130	2	30
Trichlorofluoromethane (Freon 11)	**22.1**	D	µg/kg		20.0		110	70-130	3	30
1,2,3-Trichloropropane	**21.7**	D	µg/kg		20.0		109	70-130	1	30
1,2,4-Trimethylbenzene	**17.5**	D	µg/kg		20.0		88	70-130	3	30
1,3,5-Trimethylbenzene	**18.5**	D	µg/kg		20.0		93	70-130	2	30
Vinyl chloride	**21.3**	D	µg/kg		20.0		107	70-130	3	30
m,p-Xylene	**18.5**	D	µg/kg		20.0		92	70-130	1	30
o-Xylene	**18.4**	D	µg/kg		20.0		92	70-130	0	30
Tetrahydrofuran	**23.0**	D	µg/kg		20.0		115	70-130	5	30
Ethyl ether	**20.4**	D	µg/kg		20.0		102	70-130	16	30
Tert-amyl methyl ether	**25.8**	D	µg/kg		20.0		129	70-130	0.7	30
Ethyl tert-butyl ether	**25.4**	D	µg/kg		20.0		127	70-130	1	30
Di-isopropyl ether	**23.4**	D	µg/kg		20.0		117	70-130	0.9	30
Tert-Butanol / butyl alcohol	**223**	D	µg/kg		200		111	70-130	2	30
1,4-Dioxane	**225**	D	µg/kg		200		112	70-130	6	30
trans-1,4-Dichloro-2-butene	**20.0**	D	µg/kg		20.0		100	70-130	0.5	30
Ethanol	**382**	D	µg/kg		400		95	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*53.6*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*54.8*		µg/kg		*50.0*		*110*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.7*		µg/kg		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*52.7*		µg/kg		*50.0*		*105*	*70-130*		
Batch 1715503 - SW846 5035A Soil (high level)										
Blank (1715503-BLK1)					Prepared & Analyzed: 11-Sep-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	U, D	µg/kg	50.0						
Acetone	< 500	U, D	µg/kg	500						
Acrylonitrile	< 50.0	U, D	µg/kg	50.0						
Benzene	< 50.0	U, D	µg/kg	50.0						
Bromobenzene	< 50.0	U, D	µg/kg	50.0						
Bromochloromethane	< 50.0	U, D	µg/kg	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715503 - SW846 5035A Soil (high level)										
Blank (1715503-BLK1)					Prepared & Analyzed: 11-Sep-17					
Bromodichloromethane	< 50.0	U, D	µg/kg	50.0						
Bromoform	< 50.0	U, D	µg/kg	50.0						
Bromomethane	< 100	U, D	µg/kg	100						
2-Butanone (MEK)	< 100	U, D	µg/kg	100						
n-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
sec-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
tert-Butylbenzene	< 50.0	U, D	µg/kg	50.0						
Carbon disulfide	< 100	U, D	µg/kg	100						
Carbon tetrachloride	< 50.0	U, D	µg/kg	50.0						
Chlorobenzene	< 50.0	U, D	µg/kg	50.0						
Chloroethane	< 100	U, D	µg/kg	100						
Chloroform	< 50.0	U, D	µg/kg	50.0						
Chloromethane	< 100	U, D	µg/kg	100						
2-Chlorotoluene	< 50.0	U, D	µg/kg	50.0						
4-Chlorotoluene	< 50.0	U, D	µg/kg	50.0						
1,2-Dibromo-3-chloropropane	< 100	U, D	µg/kg	100						
Dibromochloromethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dibromoethane (EDB)	< 50.0	U, D	µg/kg	50.0						
Dibromomethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,3-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,4-Dichlorobenzene	< 50.0	U, D	µg/kg	50.0						
Dichlorodifluoromethane (Freon12)	< 100	U, D	µg/kg	100						
1,1-Dichloroethane	< 50.0	U, D	µg/kg	50.0						
1,2-Dichloroethane	< 50.0	U, D	µg/kg	50.0						
1,1-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
cis-1,2-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
trans-1,2-Dichloroethene	< 50.0	U, D	µg/kg	50.0						
1,2-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
1,3-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
2,2-Dichloropropane	< 50.0	U, D	µg/kg	50.0						
1,1-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
cis-1,3-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
trans-1,3-Dichloropropene	< 50.0	U, D	µg/kg	50.0						
Ethylbenzene	< 50.0	U, D	µg/kg	50.0						
Hexachlorobutadiene	< 50.0	U, D	µg/kg	50.0						
2-Hexanone (MBK)	< 100	U, D	µg/kg	100						
Isopropylbenzene	< 50.0	U, D	µg/kg	50.0						
4-Isopropyltoluene	< 50.0	U, D	µg/kg	50.0						
Methyl tert-butyl ether	< 50.0	U, D	µg/kg	50.0						
4-Methyl-2-pentanone (MIBK)	< 100	U, D	µg/kg	100						
Methylene chloride	< 100	U, D	µg/kg	100						
Naphthalene	< 50.0	U, D	µg/kg	50.0						
n-Propylbenzene	< 50.0	U, D	µg/kg	50.0						
Styrene	< 50.0	U, D	µg/kg	50.0						
1,1,1,2-Tetrachloroethane	< 50.0	U, D	µg/kg	50.0						
1,1,2,2-Tetrachloroethane	< 50.0	U, D	µg/kg	50.0						
Tetrachloroethene	< 50.0	U, D	µg/kg	50.0						
Toluene	< 50.0	U, D	µg/kg	50.0						
1,2,3-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715503 - SW846 5035A Soil (high level)										
Blank (1715503-BLK1)						Prepared & Analyzed: 11-Sep-17				
1,2,4-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,3,5-Trichlorobenzene	< 50.0	U, D	µg/kg	50.0						
1,1,1-Trichloroethane	< 50.0	U, D	µg/kg	50.0						
1,1,2-Trichloroethane	< 50.0	U, D	µg/kg	50.0						
Trichloroethene	< 50.0	U, D	µg/kg	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0	U, D	µg/kg	50.0						
1,2,3-Trichloropropane	< 50.0	U, D	µg/kg	50.0						
1,2,4-Trimethylbenzene	< 50.0	U, D	µg/kg	50.0						
1,3,5-Trimethylbenzene	< 50.0	U, D	µg/kg	50.0						
Vinyl chloride	< 50.0	U, D	µg/kg	50.0						
m,p-Xylene	< 100	U, D	µg/kg	100						
o-Xylene	< 50.0	U, D	µg/kg	50.0						
Tetrahydrofuran	< 100	U, D	µg/kg	100						
Ethyl ether	< 50.0	U, D	µg/kg	50.0						
Tert-amyl methyl ether	< 50.0	U, D	µg/kg	50.0						
Ethyl tert-butyl ether	< 50.0	U, D	µg/kg	50.0						
Di-isopropyl ether	< 50.0	U, D	µg/kg	50.0						
Tert-Butanol / butyl alcohol	< 500	U, D	µg/kg	500						
1,4-Dioxane	< 1000	U, D	µg/kg	1000						
trans-1,4-Dichloro-2-butene	< 250	U, D	µg/kg	250						
Ethanol	< 10000	U, D	µg/kg	10000						
Surrogate: 4-Bromofluorobenzene	*44.4*		µg/kg		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*53.7*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.3*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/kg		*50.0*		*100*	*70-130*		
LCS (1715503-BS1)						Prepared: 11-Sep-17 Analyzed: 12-Sep-17				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**21.5**	D	µg/kg		20.0		107	70-130		
Acetone	**22.7**	D	µg/kg		20.0		114	70-130		
Acrylonitrile	**22.1**	D	µg/kg		20.0		111	70-130		
Benzene	**25.1**	D	µg/kg		20.0		125	70-130		
Bromobenzene	**20.5**	D	µg/kg		20.0		102	70-130		
Bromochloromethane	**24.2**	D	µg/kg		20.0		121	70-130		
Bromodichloromethane	**22.9**	D	µg/kg		20.0		114	70-130		
Bromoform	**19.9**	D	µg/kg		20.0		100	70-130		
Bromomethane	**20.6**	D	µg/kg		20.0		103	70-130		
2-Butanone (MEK)	**22.2**	D	µg/kg		20.0		111	70-130		
n-Butylbenzene	**15.5**	D	µg/kg		20.0		78	70-130		
sec-Butylbenzene	**18.3**	D	µg/kg		20.0		91	70-130		
tert-Butylbenzene	**18.2**	D	µg/kg		20.0		91	70-130		
Carbon disulfide	**20.7**	D	µg/kg		20.0		103	70-130		
Carbon tetrachloride	**23.7**	D	µg/kg		20.0		119	70-130		
Chlorobenzene	**20.0**	D	µg/kg		20.0		100	70-130		
Chloroethane	**21.5**	D	µg/kg		20.0		107	70-130		
Chloroform	**23.5**	D	µg/kg		20.0		117	70-130		
Chloromethane	**19.8**	D	µg/kg		20.0		99	70-130		
2-Chlorotoluene	**18.8**	D	µg/kg		20.0		94	70-130		
4-Chlorotoluene	**18.1**	D	µg/kg		20.0		91	70-130		
1,2-Dibromo-3-chloropropane	**16.4**	D	µg/kg		20.0		82	70-130		
Dibromochloromethane	**23.2**	D	µg/kg		20.0		116	70-130		
1,2-Dibromoethane (EDB)	**23.6**	D	µg/kg		20.0		118	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715503 - SW846 5035A Soil (high level)										
LCS (1715503-BS1)					Prepared: 11-Sep-17 Analyzed: 12-Sep-17					
Dibromomethane	**22.9**	D	µg/kg		20.0		115	70-130		
1,2-Dichlorobenzene	**18.8**	D	µg/kg		20.0		94	70-130		
1,3-Dichlorobenzene	**18.4**	D	µg/kg		20.0		92	70-130		
1,4-Dichlorobenzene	**18.4**	D	µg/kg		20.0		92	70-130		
Dichlorodifluoromethane (Freon12)	**20.5**	D	µg/kg		20.0		103	70-130		
1,1-Dichloroethane	**22.3**	D	µg/kg		20.0		112	70-130		
1,2-Dichloroethane	**23.3**	D	µg/kg		20.0		117	70-130		
1,1-Dichloroethene	**22.1**	D	µg/kg		20.0		110	70-130		
cis-1,2-Dichloroethene	**24.1**	D	µg/kg		20.0		121	70-130		
trans-1,2-Dichloroethene	**22.3**	D	µg/kg		20.0		111	70-130		
1,2-Dichloropropane	**23.2**	D	µg/kg		20.0		116	70-130		
1,3-Dichloropropane	**23.4**	D	µg/kg		20.0		117	70-130		
2,2-Dichloropropane	**20.5**	D	µg/kg		20.0		102	70-130		
1,1-Dichloropropene	**24.5**	D	µg/kg		20.0		122	70-130		
cis-1,3-Dichloropropene	**22.4**	D	µg/kg		20.0		112	70-130		
trans-1,3-Dichloropropene	**23.8**	D	µg/kg		20.0		119	70-130		
Ethylbenzene	**20.4**	D	µg/kg		20.0		102	70-130		
Hexachlorobutadiene	**17.6**	D	µg/kg		20.0		88	70-130		
2-Hexanone (MBK)	**19.4**	D	µg/kg		20.0		97	70-130		
Isopropylbenzene	**18.5**	D	µg/kg		20.0		93	70-130		
4-Isopropyltoluene	**17.1**	D	µg/kg		20.0		85	70-130		
Methyl tert-butyl ether	**24.7**	D	µg/kg		20.0		123	70-130		
4-Methyl-2-pentanone (MIBK)	**22.1**	D	µg/kg		20.0		111	70-130		
Methylene chloride	**21.7**	D	µg/kg		20.0		108	70-130		
Naphthalene	**16.8**	D	µg/kg		20.0		84	70-130		
n-Propylbenzene	**18.0**	D	µg/kg		20.0		90	70-130		
Styrene	**18.0**	D	µg/kg		20.0		90	70-130		
1,1,1,2-Tetrachloroethane	**20.8**	D	µg/kg		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	**21.5**	D	µg/kg		20.0		108	70-130		
Tetrachloroethene	**23.5**	D	µg/kg		20.0		118	70-130		
Toluene	**23.5**	D	µg/kg		20.0		118	70-130		
1,2,3-Trichlorobenzene	**19.4**	D	µg/kg		20.0		97	70-130		
1,2,4-Trichlorobenzene	**17.9**	D	µg/kg		20.0		89	70-130		
1,3,5-Trichlorobenzene	**17.4**	D	µg/kg		20.0		87	70-130		
1,1,1-Trichloroethane	**23.7**	D	µg/kg		20.0		119	70-130		
1,1,2-Trichloroethane	**23.2**	D	µg/kg		20.0		116	70-130		
Trichloroethene	**21.8**	D	µg/kg		20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	**20.2**	D	µg/kg		20.0		101	70-130		
1,2,3-Trichloropropane	**19.4**	D	µg/kg		20.0		97	70-130		
1,2,4-Trimethylbenzene	**17.9**	D	µg/kg		20.0		89	70-130		
1,3,5-Trimethylbenzene	**18.3**	D	µg/kg		20.0		91	70-130		
Vinyl chloride	**21.3**	D	µg/kg		20.0		106	70-130		
m,p-Xylene	**18.9**	D	µg/kg		20.0		94	70-130		
o-Xylene	**18.6**	D	µg/kg		20.0		93	70-130		
Tetrahydrofuran	**21.6**	D	µg/kg		20.0		108	70-130		
Ethyl ether	**23.7**	D	µg/kg		20.0		118	70-130		
Tert-amyl methyl ether	**25.8**	D	µg/kg		20.0		129	70-130		
Ethyl tert-butyl ether	**26.0**	D	µg/kg		20.0		130	70-130		
Di-isopropyl ether	**24.1**	D	µg/kg		20.0		120	70-130		
Tert-Butanol / butyl alcohol	**221**	D	µg/kg		200		110	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715503 - SW846 5035A Soil (high level)										
LCS (1715503-BS1)					Prepared: 11-Sep-17 Analyzed: 12-Sep-17					
1,4-Dioxane	**219**	D	µg/kg		200		109	70-130		
trans-1,4-Dichloro-2-butene	**16.8**	D	µg/kg		20.0		84	70-130		
Ethanol	**387**	D	µg/kg		400		97	70-130		
Surrogate: 4-Bromofluorobenzene	*53.8*		µg/kg		*50.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*55.0*		µg/kg		*50.0*		*110*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/kg		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/kg		*50.0*		*101*	*70-130*		
LCS Dup (1715503-BSD1)					Prepared: 11-Sep-17 Analyzed: 12-Sep-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.9**	D	µg/kg		20.0		99	70-130	8	30
Acetone	**22.2**	D	µg/kg		20.0		111	70-130	2	30
Acrylonitrile	**21.5**	D	µg/kg		20.0		108	70-130	3	30
Benzene	**23.2**	D	µg/kg		20.0		116	70-130	8	30
Bromobenzene	**19.0**	D	µg/kg		20.0		95	70-130	8	30
Bromochloromethane	**23.0**	D	µg/kg		20.0		115	70-130	5	30
Bromodichloromethane	**21.9**	D	µg/kg		20.0		109	70-130	5	30
Bromoform	**19.1**	D	µg/kg		20.0		96	70-130	4	30
Bromomethane	**19.0**	D	µg/kg		20.0		95	70-130	8	30
2-Butanone (MEK)	**22.2**	D	µg/kg		20.0		111	70-130	0.2	30
n-Butylbenzene	**14.2**	D	µg/kg		20.0		71	70-130	9	30
sec-Butylbenzene	**16.4**	D	µg/kg		20.0		82	70-130	11	30
tert-Butylbenzene	**16.5**	D	µg/kg		20.0		82	70-130	10	30
Carbon disulfide	**18.7**	D	µg/kg		20.0		93	70-130	10	30
Carbon tetrachloride	**21.7**	D	µg/kg		20.0		108	70-130	9	30
Chlorobenzene	**18.8**	D	µg/kg		20.0		94	70-130	6	30
Chloroethane	**19.6**	D	µg/kg		20.0		98	70-130	9	30
Chloroform	**21.9**	D	µg/kg		20.0		109	70-130	7	30
Chloromethane	**18.6**	D	µg/kg		20.0		93	70-130	6	30
2-Chlorotoluene	**17.3**	D	µg/kg		20.0		87	70-130	8	30
4-Chlorotoluene	**16.4**	D	µg/kg		20.0		82	70-130	10	30
1,2-Dibromo-3-chloropropane	**15.3**	D	µg/kg		20.0		77	70-130	7	30
Dibromochloromethane	**22.4**	D	µg/kg		20.0		112	70-130	3	30
1,2-Dibromoethane (EDB)	**23.4**	D	µg/kg		20.0		117	70-130	0.8	30
Dibromomethane	**22.2**	D	µg/kg		20.0		111	70-130	3	30
1,2-Dichlorobenzene	**18.0**	D	µg/kg		20.0		90	70-130	5	30
1,3-Dichlorobenzene	**16.9**	D	µg/kg		20.0		85	70-130	8	30
1,4-Dichlorobenzene	**17.3**	D	µg/kg		20.0		87	70-130	6	30
Dichlorodifluoromethane (Freon12)	**18.8**	D	µg/kg		20.0		94	70-130	9	30
1,1-Dichloroethane	**20.9**	D	µg/kg		20.0		104	70-130	7	30
1,2-Dichloroethane	**22.6**	D	µg/kg		20.0		113	70-130	3	30
1,1-Dichloroethene	**20.1**	D	µg/kg		20.0		101	70-130	9	30
cis-1,2-Dichloroethene	**22.4**	D	µg/kg		20.0		112	70-130	7	30
trans-1,2-Dichloroethene	**20.6**	D	µg/kg		20.0		103	70-130	8	30
1,2-Dichloropropane	**21.8**	D	µg/kg		20.0		109	70-130	6	30
1,3-Dichloropropane	**22.6**	D	µg/kg		20.0		113	70-130	3	30
2,2-Dichloropropane	**18.7**	D	µg/kg		20.0		94	70-130	9	30
1,1-Dichloropropene	**22.3**	D	µg/kg		20.0		112	70-130	9	30
cis-1,3-Dichloropropene	**21.0**	D	µg/kg		20.0		105	70-130	7	30
trans-1,3-Dichloropropene	**23.1**	D	µg/kg		20.0		115	70-130	3	30
Ethylbenzene	**18.9**	D	µg/kg		20.0		95	70-130	8	30
Hexachlorobutadiene	**16.4**	D	µg/kg		20.0		82	70-130	7	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1715503 - SW846 5035A Soil (high level)										
LCS Dup (1715503-BSD1)					Prepared: 11-Sep-17 Analyzed: 12-Sep-17					
2-Hexanone (MBK)	**19.1**	D	µg/kg		20.0		96	70-130	2	30
Isopropylbenzene	**16.8**	D	µg/kg		20.0		84	70-130	9	30
4-Isopropyltoluene	**15.4**	D	µg/kg		20.0		77	70-130	10	30
Methyl tert-butyl ether	**23.4**	D	µg/kg		20.0		117	70-130	5	30
4-Methyl-2-pentanone (MIBK)	**21.8**	D	µg/kg		20.0		109	70-130	2	30
Methylene chloride	**20.6**	D	µg/kg		20.0		103	70-130	5	30
Naphthalene	**16.1**	D	µg/kg		20.0		81	70-130	4	30
n-Propylbenzene	**16.5**	D	µg/kg		20.0		82	70-130	9	30
Styrene	**16.8**	D	µg/kg		20.0		84	70-130	7	30
1,1,1,2-Tetrachloroethane	**19.6**	D	µg/kg		20.0		98	70-130	6	30
1,1,2,2-Tetrachloroethane	**20.8**	D	µg/kg		20.0		104	70-130	3	30
Tetrachloroethene	**21.6**	D	µg/kg		20.0		108	70-130	8	30
Toluene	**22.1**	D	µg/kg		20.0		111	70-130	6	30
1,2,3-Trichlorobenzene	**18.1**	D	µg/kg		20.0		90	70-130	7	30
1,2,4-Trichlorobenzene	**16.7**	D	µg/kg		20.0		83	70-130	7	30
1,3,5-Trichlorobenzene	**16.4**	D	µg/kg		20.0		82	70-130	6	30
1,1,1-Trichloroethane	**22.0**	D	µg/kg		20.0		110	70-130	7	30
1,1,2-Trichloroethane	**22.6**	D	µg/kg		20.0		113	70-130	2	30
Trichloroethene	**20.4**	D	µg/kg		20.0		102	70-130	7	30
Trichlorofluoromethane (Freon 11)	**18.9**	D	µg/kg		20.0		94	70-130	7	30
1,2,3-Trichloropropane	**19.0**	D	µg/kg		20.0		95	70-130	2	30
1,2,4-Trimethylbenzene	**16.2**	D	µg/kg		20.0		81	70-130	10	30
1,3,5-Trimethylbenzene	**16.8**	D	µg/kg		20.0		84	70-130	9	30
Vinyl chloride	**19.9**	D	µg/kg		20.0		99	70-130	7	30
m,p-Xylene	**17.2**	D	µg/kg		20.0		86	70-130	9	30
o-Xylene	**17.0**	D	µg/kg		20.0		85	70-130	9	30
Tetrahydrofuran	**21.6**	D	µg/kg		20.0		108	70-130	0.5	30
Ethyl ether	**22.3**	D	µg/kg		20.0		112	70-130	6	30
Tert-amyl methyl ether	**25.1**	D	µg/kg		20.0		126	70-130	3	30
Ethyl tert-butyl ether	**23.9**	D	µg/kg		20.0		119	70-130	8	30
Di-isopropyl ether	**23.0**	D	µg/kg		20.0		115	70-130	5	30
Tert-Butanol / butyl alcohol	**218**	D	µg/kg		200		109	70-130	2	30
1,4-Dioxane	**211**	D	µg/kg		200		106	70-130	4	30
trans-1,4-Dichloro-2-butene	**16.4**	D	µg/kg		20.0		82	70-130	2	30
Ethanol	**412**	D	µg/kg		400		103	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*53.6*		µg/kg		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*55.6*		µg/kg		*50.0*		*111*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.1*		µg/kg		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.8*		µg/kg		*50.0*		*102*	*70-130*		
SW846 8260C TICs										
Batch 1715207 - SW846 5035A Soil (high level)										
Blank (1715207-BLK1)					Prepared: 08-Sep-17 Analyzed: 10-Sep-17					
Tentatively Identified Compounds	**None found**		µg/kg							
Batch 1715478 - SW846 5035A Soil (high level)										
Blank (1715478-BLK1)					Prepared & Analyzed: 11-Sep-17					
Tentatively Identified Compounds	**None found**		µg/kg							
Batch 1715503 - SW846 5035A Soil (high level)										
Blank (1715503-BLK1)					Prepared & Analyzed: 11-Sep-17					
Tentatively Identified Compounds	**None found**		µg/kg							

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 1715334 - SW846 3550C										
Blank (1715334-BLK1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
Acenaphthene	< 14900	U	µg/kg	14900						
Acenaphthylene	< 14900	U	µg/kg	14900						
Aniline	< 73800	U	µg/kg	73800						
Anthracene	< 14900	U	µg/kg	14900						
Azobenzene/Diphenyldiazene	< 73800	U	µg/kg	73800						
Benzidine	< 73800	U	µg/kg	73800						
Benzo (a) anthracene	< 14900	U	µg/kg	14900						
Benzo (a) pyrene	< 14900	U	µg/kg	14900						
Benzo (b) fluoranthene	< 14900	U	µg/kg	14900						
Benzo (g,h,i) perylene	< 14900	U	µg/kg	14900						
Benzo (k) fluoranthene	< 14900	U	µg/kg	14900						
Benzoic acid	< 73800	U	µg/kg	73800						
Benzyl alcohol	< 73800	U	µg/kg	73800						
Bis(2-chloroethoxy)methane	< 73800	U	µg/kg	73800						
Bis(2-chloroethyl)ether	< 37300	U	µg/kg	37300						
Bis(2-chloroisopropyl)ether	< 37300	U	µg/kg	37300						
Bis(2-ethylhexyl)phthalate	< 37300	U	µg/kg	37300						
4-Bromophenyl phenyl ether	< 73800	U	µg/kg	73800						
Butyl benzyl phthalate	< 73800	U	µg/kg	73800						
Carbazole	< 37300	U	µg/kg	37300						
4-Chloro-3-methylphenol	< 73800	U	µg/kg	73800						
4-Chloroaniline	< 37300	U	µg/kg	37300						
2-Chloronaphthalene	< 73800	U	µg/kg	73800						
2-Chlorophenol	< 37300	U	µg/kg	37300						
4-Chlorophenyl phenyl ether	< 73800	U	µg/kg	73800						
Chrysene	< 14900	U	µg/kg	14900						
Dibenzo (a,h) anthracene	< 14900	U	µg/kg	14900						
Dibenzofuran	< 37300	U	µg/kg	37300						
1,2-Dichlorobenzene	< 73800	U	µg/kg	73800						
1,3-Dichlorobenzene	< 73800	U	µg/kg	73800						
1,4-Dichlorobenzene	< 73800	U	µg/kg	73800						
3,3´-Dichlorobenzidine	< 73800	U	µg/kg	73800						
2,4-Dichlorophenol	< 37300	U	µg/kg	37300						
Diethyl phthalate	< 73800	U	µg/kg	73800						
Dimethyl phthalate	< 73800	U	µg/kg	73800						
2,4-Dimethylphenol	< 73800	U	µg/kg	73800						
Di-n-butyl phthalate	< 73800	U	µg/kg	73800						
4,6-Dinitro-2-methylphenol	< 73800	U	µg/kg	73800						
2,4-Dinitrophenol	< 73800	U	µg/kg	73800						
2,4-Dinitrotoluene	< 37300	U	µg/kg	37300						
2,6-Dinitrotoluene	< 37300	U	µg/kg	37300						
Di-n-octyl phthalate	< 73800	U	µg/kg	73800						
Fluoranthene	< 14900	U	µg/kg	14900						
Fluorene	< 14900	U	µg/kg	14900						
Hexachlorobenzene	< 37300	U	µg/kg	37300						
Hexachlorobutadiene	< 37300	U	µg/kg	37300						
Hexachlorocyclopentadiene	< 37300	U	µg/kg	37300						
Hexachloroethane	< 37300	U	µg/kg	37300						
Indeno (1,2,3-cd) pyrene	< 14900	U	µg/kg	14900						
Isophorone	< 37300	U	µg/kg	37300						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 1715334 - SW846 3550C										
Blank (1715334-BLK1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
2-Methylnaphthalene	< 14900	U	µg/kg	14900						
2-Methylphenol	< 73800	U	µg/kg	73800						
3 & 4-Methylphenol	< 73800	U	µg/kg	73800						
Naphthalene	< 14900	U	µg/kg	14900						
2-Nitroaniline	< 73800	U	µg/kg	73800						
3-Nitroaniline	< 73800	U	µg/kg	73800						
4-Nitroaniline	< 37300	U	µg/kg	37300						
Nitrobenzene	< 37300	U	µg/kg	37300						
2-Nitrophenol	< 37300	U	µg/kg	37300						
4-Nitrophenol	< 295000	U	µg/kg	295000						
N-Nitrosodimethylamine	< 37300	U	µg/kg	37300						
N-Nitrosodi-n-propylamine	< 37300	U	µg/kg	37300						
N-Nitrosodiphenylamine	< 73800	U	µg/kg	73800						
Pentachlorophenol	< 73800	U	µg/kg	73800						
Phenanthrene	< 14900	U	µg/kg	14900						
Phenol	< 73800	U	µg/kg	73800						
Pyrene	< 14900	U	µg/kg	14900						
Pyridine	< 73800	U	µg/kg	73800						
1,2,4-Trichlorobenzene	< 73800	U	µg/kg	73800						
1-Methylnaphthalene	< 14900	U	µg/kg	14900						
2,4,5-Trichlorophenol	< 73800	U	µg/kg	73800						
2,4,6-Trichlorophenol	< 37300	U	µg/kg	37300						
Pentachloronitrobenzene	< 73800	U	µg/kg	73800						
1,2,4,5-Tetrachlorobenzene	< 73800	U	µg/kg	73800						
Surrogate: 2-Fluorobiphenyl	*29100*		µg/kg		*37300*		*78*	*30-130*		
Surrogate: 2-Fluorophenol	*29100*		µg/kg		*37300*		*78*	*30-130*		
Surrogate: Nitrobenzene-d5	*33200*		µg/kg		*37300*		*89*	*30-130*		
Surrogate: Phenol-d5	*29400*		µg/kg		*37300*		*79*	*30-130*		
Surrogate: Terphenyl-dl4	*35900*		µg/kg		*37300*		*96*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*41400*		µg/kg		*37300*		*111*	*30-130*		
LCS (1715334-BS1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
Acenaphthene	**23100**		µg/kg	14700	36800		63	40-140		
Acenaphthylene	**25100**		µg/kg	14700	36800		68	40-140		
Aniline	**19100**	J	µg/kg	72800	36800		52	40-140		
Anthracene	**26500**		µg/kg	14700	36800		72	40-140		
Azobenzene/Diphenyldiazene	**24200**	J	µg/kg	72800	36800		66	40-140		
Benzidine	**48600**	J	µg/kg	72800	36800		132	40-140		
Benzo (a) anthracene	**26800**		µg/kg	14700	36800		73	40-140		
Benzo (a) pyrene	**29200**		µg/kg	14700	36800		79	40-140		
Benzo (b) fluoranthene	**27300**		µg/kg	14700	36800		74	40-140		
Benzo (g,h,i) perylene	**23800**		µg/kg	14700	36800		65	40-140		
Benzo (k) fluoranthene	**29100**		µg/kg	14700	36800		79	40-140		
Benzoic acid	**33500**	J	µg/kg	72800	36800		91	30-130		
Benzyl alcohol	**22900**	J	µg/kg	72800	36800		62	40-140		
Bis(2-chloroethoxy)methane	**26100**	J	µg/kg	72800	36800		71	40-140		
Bis(2-chloroethyl)ether	**26400**	J	µg/kg	36800	36800		72	40-140		
Bis(2-chloroisopropyl)ether	**23400**	J	µg/kg	36800	36800		64	40-140		
Bis(2-ethylhexyl)phthalate	**27300**	J	µg/kg	36800	36800		74	40-140		
4-Bromophenyl phenyl ether	**24800**	J	µg/kg	72800	36800		68	40-140		
Butyl benzyl phthalate	**27800**	J	µg/kg	72800	36800		76	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 1715334 - SW846 3550C										
LCS (1715334-BS1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
Carbazole	**46300**		µg/kg	36800	36800		126	40-140		
4-Chloro-3-methylphenol	**27800**	J	µg/kg	72800	36800		76	30-130		
4-Chloroaniline	**26600**	J	µg/kg	36800	36800		72	40-140		
2-Chloronaphthalene	**30400**	J	µg/kg	72800	36800		83	40-140		
2-Chlorophenol	**28500**	J	µg/kg	36800	36800		78	30-130		
4-Chlorophenyl phenyl ether	**25200**	J	µg/kg	72800	36800		69	40-140		
Chrysene	**26700**		µg/kg	14700	36800		73	40-140		
Dibenzo (a,h) anthracene	**25800**		µg/kg	14700	36800		70	40-140		
Dibenzofuran	**31400**	J	µg/kg	36800	36800		85	40-140		
1,2-Dichlorobenzene	**36000**	J	µg/kg	72800	36800		98	40-140		
1,3-Dichlorobenzene	**36200**	J	µg/kg	72800	36800		98	40-140		
1,4-Dichlorobenzene	**35200**	J	µg/kg	72800	36800		96	40-140		
3,3´-Dichlorobenzidine	**33600**	J	µg/kg	72800	36800		91	40-140		
2,4-Dichlorophenol	**27100**	J	µg/kg	36800	36800		74	30-130		
Diethyl phthalate	**24900**	J	µg/kg	72800	36800		68	40-140		
Dimethyl phthalate	**24100**	J	µg/kg	72800	36800		66	40-140		
2,4-Dimethylphenol	**24600**	J	µg/kg	72800	36800		67	30-130		
Di-n-butyl phthalate	**25100**	J	µg/kg	72800	36800		68	40-140		
4,6-Dinitro-2-methylphenol	**34900**	J	µg/kg	72800	36800		95	30-130		
2,4-Dinitrophenol	**18800**	J	µg/kg	72800	36800		51	30-130		
2,4-Dinitrotoluene	**49500**		µg/kg	36800	36800		135	40-140		
2,6-Dinitrotoluene	**46100**		µg/kg	36800	36800		125	40-140		
Di-n-octyl phthalate	**25900**	J	µg/kg	72800	36800		70	40-140		
Fluoranthene	**27600**		µg/kg	14700	36800		75	40-140		
Fluorene	**25700**		µg/kg	14700	36800		70	40-140		
Hexachlorobenzene	**33500**	J	µg/kg	36800	36800		91	40-140		
Hexachlorobutadiene	**34000**	J	µg/kg	36800	36800		92	40-140		
Hexachlorocyclopentadiene	**30300**	J	µg/kg	36800	36800		82	40-140		
Hexachloroethane	**34700**	J	µg/kg	36800	36800		94	40-140		
Indeno (1,2,3-cd) pyrene	**26300**		µg/kg	14700	36800		72	40-140		
Isophorone	**28600**	J	µg/kg	36800	36800		78	40-140		
2-Methylnaphthalene	**34400**		µg/kg	14700	36800		94	40-140		
2-Methylphenol	**31000**	J	µg/kg	72800	36800		84	30-130		
3 & 4-Methylphenol	**29200**	J	µg/kg	72800	36800		79	30-130		
Naphthalene	**26700**		µg/kg	14700	36800		73	40-140		
2-Nitroaniline	**43000**	J	µg/kg	72800	36800		117	40-140		
3-Nitroaniline	**40700**	J	µg/kg	72800	36800		111	40-140		
4-Nitroaniline	**41700**		µg/kg	36800	36800		113	40-140		
Nitrobenzene	**36500**	J	µg/kg	36800	36800		99	40-140		
2-Nitrophenol	**26900**	J	µg/kg	36800	36800		73	30-130		
4-Nitrophenol	**53000**	QC2, J	µg/kg	291000	36800		144	30-130		
N-Nitrosodimethylamine	**29300**	J	µg/kg	36800	36800		80	40-140		
N-Nitrosodi-n-propylamine	**29700**	J	µg/kg	36800	36800		81	40-140		
N-Nitrosodiphenylamine	**27800**	J	µg/kg	72800	36800		76	40-140		
Pentachlorophenol	**19100**	J	µg/kg	72800	36800		52	30-130		
Phenanthrene	**26300**		µg/kg	14700	36800		72	40-140		
Phenol	**28700**	J	µg/kg	72800	36800		78	30-130		
Pyrene	**28200**		µg/kg	14700	36800		77	40-140		
Pyridine	**29600**	J	µg/kg	72800	36800		80	40-140		
1,2,4-Trichlorobenzene	**35600**	J	µg/kg	72800	36800		97	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 1715334 - SW846 3550C										
LCS (1715334-BS1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
1-Methylnaphthalene	**27300**		µg/kg	14700	36800		74	40-140		
2,4,5-Trichlorophenol	**26900**	J	µg/kg	72800	36800		73	30-130		
2,4,6-Trichlorophenol	**24800**	J	µg/kg	36800	36800		68	30-130		
Pentachloronitrobenzene	**27900**	J	µg/kg	72800	36800		76	40-140		
1,2,4,5-Tetrachlorobenzene	**26300**	J	µg/kg	72800	36800		72	40-140		
Surrogate: 2-Fluorobiphenyl	*13000*		µg/kg		*36800*		*35*	*30-130*		
Surrogate: 2-Fluorophenol	*13200*		µg/kg		*36800*		*36*	*30-130*		
Surrogate: Nitrobenzene-d5	*14700*		µg/kg		*36800*		*40*	*30-130*		
Surrogate: Phenol-d5	*14000*		µg/kg		*36800*		*38*	*30-130*		
Surrogate: Terphenyl-dl4	*15000*		µg/kg		*36800*		*41*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*30700*		µg/kg		*36800*		*84*	*30-130*		
LCS Dup (1715334-BSD1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
Acenaphthene	**24100**		µg/kg	14100	35200		68	40-140	4	30
Acenaphthylene	**25800**		µg/kg	14100	35200		73	40-140	2	30
Aniline	**17300**	J	µg/kg	69700	35200		49	40-140	10	30
Anthracene	**24900**		µg/kg	14100	35200		71	40-140	6	30
Azobenzene/Diphenyldiazene	**23900**	J	µg/kg	69700	35200		68	40-140	1	30
Benzidine	**51700**	QC1, J	µg/kg	69700	35200		147	40-140	6	30
Benzo (a) anthracene	**27200**		µg/kg	14100	35200		77	40-140	2	30
Benzo (a) pyrene	**26200**		µg/kg	14100	35200		74	40-140	11	30
Benzo (b) fluoranthene	**26200**		µg/kg	14100	35200		75	40-140	4	30
Benzo (g,h,i) perylene	**24800**		µg/kg	14100	35200		70	40-140	4	30
Benzo (k) fluoranthene	**30700**		µg/kg	14100	35200		87	40-140	5	30
Benzoic acid	**32700**	J	µg/kg	69700	35200		93	30-130	2	30
Benzyl alcohol	**19700**	J	µg/kg	69700	35200		56	40-140	15	30
Bis(2-chloroethoxy)methane	**26200**	J	µg/kg	69700	35200		75	40-140	0.6	30
Bis(2-chloroethyl)ether	**23900**	J	µg/kg	35300	35200		68	40-140	10	30
Bis(2-chloroisopropyl)ether	**21200**	J	µg/kg	35300	35200		60	40-140	10	30
Bis(2-ethylhexyl)phthalate	**26700**	J	µg/kg	35300	35200		76	40-140	2	30
4-Bromophenyl phenyl ether	**24800**	J	µg/kg	69700	35200		70	40-140	0.3	30
Butyl benzyl phthalate	**25900**	J	µg/kg	69700	35200		74	40-140	7	30
Carbazole	**46500**		µg/kg	35300	35200		132	40-140	0.4	30
4-Chloro-3-methylphenol	**25600**	J	µg/kg	69700	35200		73	30-130	8	30
4-Chloroaniline	**23800**	J	µg/kg	35300	35200		68	40-140	11	30
2-Chloronaphthalene	**30500**	J	µg/kg	69700	35200		87	40-140	0.1	30
2-Chlorophenol	**26000**	J	µg/kg	35300	35200		74	30-130	9	30
4-Chlorophenyl phenyl ether	**24600**	J	µg/kg	69700	35200		70	40-140	2	30
Chrysene	**27300**		µg/kg	14100	35200		78	40-140	2	30
Dibenzo (a,h) anthracene	**25500**		µg/kg	14100	35200		72	40-140	1	30
Dibenzofuran	**29600**	J	µg/kg	35300	35200		84	40-140	6	30
1,2-Dichlorobenzene	**32900**	J	µg/kg	69700	35200		93	40-140	9	30
1,3-Dichlorobenzene	**34200**	J	µg/kg	69700	35200		97	40-140	6	30
1,4-Dichlorobenzene	**34200**	J	µg/kg	69700	35200		97	40-140	3	30
3,3´-Dichlorobenzidine	**33900**	J	µg/kg	69700	35200		96	40-140	1	30
2,4-Dichlorophenol	**27400**	J	µg/kg	35300	35200		78	30-130	1	30
Diethyl phthalate	**25100**	J	µg/kg	69700	35200		71	40-140	0.8	30
Dimethyl phthalate	**24900**	J	µg/kg	69700	35200		71	40-140	3	30
2,4-Dimethylphenol	**23900**	J	µg/kg	69700	35200		68	30-130	3	30
Di-n-butyl phthalate	**25000**	J	µg/kg	69700	35200		71	40-140	0.6	30
4,6-Dinitro-2-methylphenol	**33600**	J	µg/kg	69700	35200		96	30-130	4	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 1715334 - SW846 3550C										
LCS Dup (1715334-BSD1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
2,4-Dinitrophenol	**18600**	J	µg/kg	69700	35200		53	30-130	1	30
2,4-Dinitrotoluene	**48000**		µg/kg	35300	35200		136	40-140	3	30
2,6-Dinitrotoluene	**46900**		µg/kg	35300	35200		133	40-140	2	30
Di-n-octyl phthalate	**25200**	J	µg/kg	69700	35200		72	40-140	3	30
Fluoranthene	**26500**		µg/kg	14100	35200		75	40-140	4	30
Fluorene	**25400**		µg/kg	14100	35200		72	40-140	1	30
Hexachlorobenzene	**33600**	J	µg/kg	35300	35200		96	40-140	0.3	30
Hexachlorobutadiene	**31600**	J	µg/kg	35300	35200		90	40-140	7	30
Hexachlorocyclopentadiene	**30000**	J	µg/kg	35300	35200		85	40-140	1	30
Hexachloroethane	**32100**	J	µg/kg	35300	35200		91	40-140	8	30
Indeno (1,2,3-cd) pyrene	**24400**		µg/kg	14100	35200		69	40-140	7	30
Isophorone	**26500**	J	µg/kg	35300	35200		75	40-140	8	30
2-Methylnaphthalene	**34000**		µg/kg	14100	35200		97	40-140	1	30
2-Methylphenol	**28100**	J	µg/kg	69700	35200		80	30-130	10	30
3 & 4-Methylphenol	**27500**	J	µg/kg	69700	35200		78	30-130	6	30
Naphthalene	**25300**		µg/kg	14100	35200		72	40-140	5	30
2-Nitroaniline	**42300**	J	µg/kg	69700	35200		120	40-140	2	30
3-Nitroaniline	**41600**	J	µg/kg	69700	35200		118	40-140	2	30
4-Nitroaniline	**41900**		µg/kg	35300	35200		119	40-140	0.5	30
Nitrobenzene	**33100**	J	µg/kg	35300	35200		94	40-140	10	30
2-Nitrophenol	**27200**	J	µg/kg	35300	35200		77	30-130	1	30
4-Nitrophenol	**50700**	QC2, J	µg/kg	279000	35200		144	30-130	5	30
N-Nitrosodimethylamine	**26000**	J	µg/kg	35300	35200		74	40-140	12	30
N-Nitrosodi-n-propylamine	**27100**	J	µg/kg	35300	35200		77	40-140	9	30
N-Nitrosodiphenylamine	**27400**	J	µg/kg	69700	35200		78	40-140	1	30
Pentachlorophenol	**17500**	J	µg/kg	69700	35200		50	30-130	9	30
Phenanthrene	**24800**		µg/kg	14100	35200		70	40-140	6	30
Phenol	**25800**	J	µg/kg	69700	35200		73	30-130	11	30
Pyrene	**27800**		µg/kg	14100	35200		79	40-140	1	30
Pyridine	**26400**	J	µg/kg	69700	35200		75	40-140	11	30
1,2,4-Trichlorobenzene	**33400**	J	µg/kg	69700	35200		95	40-140	6	30
1-Methylnaphthalene	**26500**		µg/kg	14100	35200		75	40-140	3	30
2,4,5-Trichlorophenol	**26600**	J	µg/kg	69700	35200		76	30-130	1	30
2,4,6-Trichlorophenol	**25300**	J	µg/kg	35300	35200		72	30-130	2	30
Pentachloronitrobenzene	**26200**	J	µg/kg	69700	35200		74	40-140	6	30
1,2,4,5-Tetrachlorobenzene	**26200**	J	µg/kg	69700	35200		75	40-140	0.3	30
Surrogate: 2-Fluorobiphenyl	*24100*		µg/kg		*35200*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*23500*		µg/kg		*35200*		*67*	*30-130*		
Surrogate: Nitrobenzene-d5	*26400*		µg/kg		*35200*		*75*	*30-130*		
Surrogate: Phenol-d5	*24300*		µg/kg		*35200*		*69*	*30-130*		
Surrogate: Terphenyl-dl4	*27400*		µg/kg		*35200*		*78*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*40000*		µg/kg		*35200*		*114*	*30-130*		
Duplicate (1715334-DUP1)			**Source: SC38763-16**		Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Acenaphthene	< 17000	U	µg/kg	17000		BRL				30
Acenaphthylene	< 17000	U	µg/kg	17000		BRL				30
Aniline	< 84300	U	µg/kg	84300		BRL				30
Anthracene	< 17000	U	µg/kg	17000		BRL				30
Azobenzene/Diphenyldiazene	< 84300	U	µg/kg	84300		BRL				30
Benzidine	< 84300	U	µg/kg	84300		BRL				30
Benzo (a) anthracene	< 17000	U	µg/kg	17000		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 1715334 - SW846 3550C										
Duplicate (1715334-DUP1)			**Source: SC38763-16**		Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Benzo (a) pyrene	< 17000	U	µg/kg	17000		BRL				30
Benzo (b) fluoranthene	< 17000	U	µg/kg	17000		BRL				30
Benzo (g,h,i) perylene	< 17000	U	µg/kg	17000		BRL				30
Benzo (k) fluoranthene	< 17000	U	µg/kg	17000		BRL				30
Benzoic acid	< 84300	U	µg/kg	84300		BRL				30
Benzyl alcohol	< 84300	U	µg/kg	84300		BRL				30
Bis(2-chloroethoxy)methane	< 84300	U	µg/kg	84300		BRL				30
Bis(2-chloroethyl)ether	< 42700	U	µg/kg	42700		BRL				30
Bis(2-chloroisopropyl)ether	< 42700	U	µg/kg	42700		BRL				30
Bis(2-ethylhexyl)phthalate	< 42700	U	µg/kg	42700		BRL				30
4-Bromophenyl phenyl ether	< 84300	U	µg/kg	84300		BRL				30
Butyl benzyl phthalate	< 84300	U	µg/kg	84300		BRL				30
Carbazole	< 42700	U	µg/kg	42700		BRL				30
4-Chloro-3-methylphenol	< 84300	U	µg/kg	84300		BRL				30
4-Chloroaniline	< 42700	U	µg/kg	42700		BRL				30
2-Chloronaphthalene	< 84300	U	µg/kg	84300		BRL				30
2-Chlorophenol	< 42700	U	µg/kg	42700		BRL				30
4-Chlorophenyl phenyl ether	< 84300	U	µg/kg	84300		BRL				30
Chrysene	< 17000	U	µg/kg	17000		BRL				30
Dibenzo (a,h) anthracene	< 17000	U	µg/kg	17000		BRL				30
Dibenzofuran	< 42700	U	µg/kg	42700		BRL				30
1,2-Dichlorobenzene	< 84300	U	µg/kg	84300		BRL				30
1,3-Dichlorobenzene	< 84300	U	µg/kg	84300		BRL				30
1,4-Dichlorobenzene	< 84300	U	µg/kg	84300		BRL				30
3,3´-Dichlorobenzidine	< 84300	U	µg/kg	84300		BRL				30
2,4-Dichlorophenol	< 42700	U	µg/kg	42700		BRL				30
Diethyl phthalate	< 84300	U	µg/kg	84300		BRL				30
Dimethyl phthalate	< 84300	U	µg/kg	84300		BRL				30
2,4-Dimethylphenol	< 84300	U	µg/kg	84300		BRL				30
Di-n-butyl phthalate	< 84300	U	µg/kg	84300		BRL				30
4,6-Dinitro-2-methylphenol	< 84300	U	µg/kg	84300		BRL				30
2,4-Dinitrophenol	< 84300	U	µg/kg	84300		BRL				30
2,4-Dinitrotoluene	< 42700	U	µg/kg	42700		BRL				30
2,6-Dinitrotoluene	< 42700	U	µg/kg	42700		BRL				30
Di-n-octyl phthalate	< 84300	U	µg/kg	84300		BRL				30
Fluoranthene	< 17000	U	µg/kg	17000		BRL				30
Fluorene	< 17000	U	µg/kg	17000		BRL				30
Hexachlorobenzene	< 42700	U	µg/kg	42700		BRL				30
Hexachlorobutadiene	< 42700	U	µg/kg	42700		BRL				30
Hexachlorocyclopentadiene	< 42700	U	µg/kg	42700		BRL				30
Hexachloroethane	< 42700	U	µg/kg	42700		BRL				30
Indeno (1,2,3-cd) pyrene	< 17000	U	µg/kg	17000		BRL				30
Isophorone	< 42700	U	µg/kg	42700		BRL				30
2-Methylnaphthalene	< 17000	U	µg/kg	17000		BRL				30
2-Methylphenol	< 84300	U	µg/kg	84300		BRL				30
3 & 4-Methylphenol	< 84300	U	µg/kg	84300		BRL				30
Naphthalene	< 17000	U	µg/kg	17000		BRL				30
2-Nitroaniline	< 84300	U	µg/kg	84300		BRL				30
3-Nitroaniline	< 84300	U	µg/kg	84300		BRL				30
4-Nitroaniline	< 42700	U	µg/kg	42700		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 1715334 - SW846 3550C										
Duplicate (1715334-DUP1)			**Source: SC38763-16**		Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Nitrobenzene	< 42700	U	µg/kg	42700		BRL				30
2-Nitrophenol	< 42700	U	µg/kg	42700		BRL				30
4-Nitrophenol	< 337000	U	µg/kg	337000		BRL				30
N-Nitrosodimethylamine	< 42700	U	µg/kg	42700		BRL				30
N-Nitrosodi-n-propylamine	< 42700	U	µg/kg	42700		BRL				30
N-Nitrosodiphenylamine	< 84300	U	µg/kg	84300		BRL				30
Pentachlorophenol	< 84300	U	µg/kg	84300		BRL				30
Phenanthrene	< 17000	U	µg/kg	17000		BRL				30
Phenol	< 84300	U	µg/kg	84300		BRL				30
Pyrene	< 17000	U	µg/kg	17000		BRL				30
Pyridine	< 84300	U	µg/kg	84300		BRL				30
1,2,4-Trichlorobenzene	< 84300	U	µg/kg	84300		BRL				30
1-Methylnaphthalene	< 17000	U	µg/kg	17000		BRL				30
2,4,5-Trichlorophenol	< 84300	U	µg/kg	84300		BRL				30
2,4,6-Trichlorophenol	< 42700	U	µg/kg	42700		BRL				30
Pentachloronitrobenzene	< 84300	U	µg/kg	84300		BRL				30
1,2,4,5-Tetrachlorobenzene	< 84300	U	µg/kg	84300		BRL				30
Surrogate: 2-Fluorobiphenyl	*32800*		µg/kg		*42600*		*77*	*30-130*		
Surrogate: 2-Fluorophenol	*31000*		µg/kg		*42600*		*73*	*30-130*		
Surrogate: Nitrobenzene-d5	*34000*		µg/kg		*42600*		*80*	*30-130*		
Surrogate: Phenol-d5	*30800*		µg/kg		*42600*		*72*	*30-130*		
Surrogate: Terphenyl-dl4	*34900*		µg/kg		*42600*		*82*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*40400*		µg/kg		*42600*		*95*	*30-130*		
SW846 8270D TICS										
Batch 1715334 - SW846 3550C										
Blank (1715334-BLK1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
Tentatively Identified Compounds	**None found**		µg/l							

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1715119 - SW846 3580A										
Blank (1715119-BLK1)					Prepared & Analyzed: 05-Sep-17					
Aroclor-1016	< 384	U	µg/kg	384						
Aroclor-1016 [2C]	< 384	U	µg/kg	384						
Aroclor-1221	< 384	U	µg/kg	384						
Aroclor-1221 [2C]	< 384	U	µg/kg	384						
Aroclor-1232	< 384	U	µg/kg	384						
Aroclor-1232 [2C]	< 384	U	µg/kg	384						
Aroclor-1242	< 384	U	µg/kg	384						
Aroclor-1242 [2C]	< 384	U	µg/kg	384						
Aroclor-1248	< 384	U	µg/kg	384						
Aroclor-1248 [2C]	< 384	U	µg/kg	384						
Aroclor-1254	< 384	U	µg/kg	384						
Aroclor-1254 [2C]	< 384	U	µg/kg	384						
Aroclor-1260	< 384	U	µg/kg	384						
Aroclor-1260 [2C]	< 384	U	µg/kg	384						
Aroclor-1262	< 384	U	µg/kg	384						
Aroclor-1262 [2C]	< 384	U	µg/kg	384						
Aroclor-1268	< 384	U	µg/kg	384						
Aroclor-1268 [2C]	< 384	U	µg/kg	384						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*345*		µg/kg		*384*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*326*		µg/kg		*384*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*441*		µg/kg		*384*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*403*		µg/kg		*384*		*105*	*30-150*		
LCS (1715119-BS1)					Prepared & Analyzed: 05-Sep-17					
Aroclor-1016	**4530**		µg/kg	389	4860		93	50-140		
Aroclor-1016 [2C]	**4410**		µg/kg	389	4860		91	50-140		
Aroclor-1260	**4880**		µg/kg	389	4860		100	50-140		
Aroclor-1260 [2C]	**5010**		µg/kg	389	4860		103	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*350*		µg/kg		*389*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*330*		µg/kg		*389*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*505*		µg/kg		*389*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*447*		µg/kg		*389*		*115*	*30-150*		
LCS Dup (1715119-BSD1)					Prepared & Analyzed: 05-Sep-17					
Aroclor-1016	**4320**		µg/kg	344	4300		100	50-140	5	30
Aroclor-1016 [2C]	**4350**		µg/kg	344	4300		101	50-140	1	30
Aroclor-1260	**4530**		µg/kg	344	4300		105	50-140	7	30
Aroclor-1260 [2C]	**4460**		µg/kg	344	4300		104	50-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*310*		µg/kg		*344*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*310*		µg/kg		*344*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*465*		µg/kg		*344*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*396*		µg/kg		*344*		*115*	*30-150*		
Batch 1715331 - SW846 3546										
Blank (1715331-BLK1)					Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Aroclor-1016	< 20.0	U	µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1221	< 20.0	U	µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1232	< 20.0	U	µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1715331 - SW846 3546										
Blank (1715331-BLK1)					Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Aroclor-1232 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1242	< 20.0	U	µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1248	< 20.0	U	µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1254	< 20.0	U	µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1260	< 20.0	U	µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1262	< 20.0	U	µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0	U	µg/kg wet	20.0						
Aroclor-1268	< 20.0	U	µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0	U	µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (1715331-BS1)					Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Aroclor-1016	**261**		µg/kg wet	19.5	244		107	40-140		
Aroclor-1016 [2C]	**262**		µg/kg wet	19.5	244		108	40-140		
Aroclor-1260	**233**		µg/kg wet	19.5	244		96	40-140		
Aroclor-1260 [2C]	**274**		µg/kg wet	19.5	244		112	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*19.5*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.6*		µg/kg wet		*19.5*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.4*		µg/kg wet		*19.5*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.4*		µg/kg wet		*19.5*		*120*	*30-150*		
LCS Dup (1715331-BSD1)					Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Aroclor-1016	**280**		µg/kg wet	19.9	249		112	40-140	7	30
Aroclor-1016 [2C]	**257**		µg/kg wet	19.9	249		103	40-140	2	30
Aroclor-1260	**254**		µg/kg wet	19.9	249		102	40-140	9	30
Aroclor-1260 [2C]	**293**		µg/kg wet	19.9	249		118	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.9*		µg/kg wet		*19.9*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.9*		µg/kg wet		*19.9*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg wet		*19.9*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.9*		µg/kg wet		*19.9*		*125*	*30-150*		
Batch 1715332 - SW846 3550C										
Blank (1715332-BLK1)					Prepared & Analyzed: 08-Sep-17					
Aroclor-1016	< 19.3	U	µg/kg	19.3						
Aroclor-1016 [2C]	< 19.3	U	µg/kg	19.3						
Aroclor-1221	< 19.3	U	µg/kg	19.3						
Aroclor-1221 [2C]	< 19.3	U	µg/kg	19.3						
Aroclor-1232	< 19.3	U	µg/kg	19.3						
Aroclor-1232 [2C]	< 19.3	U	µg/kg	19.3						
Aroclor-1242	< 19.3	U	µg/kg	19.3						
Aroclor-1242 [2C]	< 19.3	U	µg/kg	19.3						
Aroclor-1248	< 19.3	U	µg/kg	19.3						
Aroclor-1248 [2C]	< 19.3	U	µg/kg	19.3						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1715332 - SW846 3550C										
Blank (1715332-BLK1)					Prepared & Analyzed: 08-Sep-17					
Aroclor-1254	< 19.3	U	µg/kg	19.3						
Aroclor-1254 [2C]	< 19.3	U	µg/kg	19.3						
Aroclor-1260	< 19.3	U	µg/kg	19.3						
Aroclor-1260 [2C]	< 19.3	U	µg/kg	19.3						
Aroclor-1262	< 19.3	U	µg/kg	19.3						
Aroclor-1262 [2C]	< 19.3	U	µg/kg	19.3						
Aroclor-1268	< 19.3	U	µg/kg	19.3						
Aroclor-1268 [2C]	< 19.3	U	µg/kg	19.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.3*		µg/kg		*19.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.4*		µg/kg		*19.3*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.0*		µg/kg		*19.3*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg		*19.3*		*110*	*30-150*		
LCS (1715332-BS1)					Prepared & Analyzed: 08-Sep-17					
Aroclor-1016	**247**		µg/kg	19.7	246		100	40-140		
Aroclor-1016 [2C]	**238**		µg/kg	19.7	246		97	40-140		
Aroclor-1260	**274**		µg/kg	19.7	246		111	40-140		
Aroclor-1260 [2C]	**245**		µg/kg	19.7	246		100	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.8*		µg/kg		*19.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.8*		µg/kg		*19.7*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.6*		µg/kg		*19.7*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.6*		µg/kg		*19.7*		*120*	*30-150*		
LCS Dup (1715332-BSD1)					Prepared & Analyzed: 08-Sep-17					
Aroclor-1016	**252**		µg/kg	18.9	236		107	40-140	2	30
Aroclor-1016 [2C]	**255**		µg/kg	18.9	236		108	40-140	7	30
Aroclor-1260	**280**		µg/kg	18.9	236		119	40-140	2	30
Aroclor-1260 [2C]	**278**		µg/kg	18.9	236		118	40-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg		*18.9*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.1*		µg/kg		*18.9*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.5*		µg/kg		*18.9*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.5*		µg/kg		*18.9*		*130*	*30-150*		
Duplicate (1715332-DUP1)			**Source: SC38763-16**		Prepared & Analyzed: 08-Sep-17					
Aroclor-1016	< 134	U	µg/kg	134		BRL				30
Aroclor-1016 [2C]	< 134	U	µg/kg	134		BRL				30
Aroclor-1221	< 134	U	µg/kg	134		BRL				30
Aroclor-1221 [2C]	< 134	U	µg/kg	134		BRL				30
Aroclor-1232	< 134	U	µg/kg	134		BRL				30
Aroclor-1232 [2C]	< 134	U	µg/kg	134		BRL				30
Aroclor-1242	< 134	U	µg/kg	134		BRL				30
Aroclor-1242 [2C]	< 134	U	µg/kg	134		BRL				30
Aroclor-1248	< 134	U	µg/kg	134		BRL				30
Aroclor-1248 [2C]	< 134	U	µg/kg	134		BRL				30
Aroclor-1254	< 134	U	µg/kg	134		BRL				30
Aroclor-1254 [2C]	< 134	U	µg/kg	134		BRL				30
Aroclor-1260	< 134	U	µg/kg	134		BRL				30
Aroclor-1260 [2C]	< 134	U	µg/kg	134		BRL				30
Aroclor-1262	< 134	U	µg/kg	134		BRL				30
Aroclor-1262 [2C]	< 134	U	µg/kg	134		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1715332 - SW846 3550C										
Duplicate (1715332-DUP1)			**Source: SC38763-16**		Prepared & Analyzed: 08-Sep-17					
Aroclor-1268	< 134	U	µg/kg	134		BRL				30
Aroclor-1268 [2C]	< 134	U	µg/kg	134		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*147*		µg/kg		*134*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*141*		µg/kg		*134*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*181*		µg/kg		*134*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*174*		µg/kg		*134*		*130*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1715333 - SW846 3550C										
Blank (1715333-BLK1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
alpha-BHC	< 9.65	U	µg/kg	9.65						
alpha-BHC [2C]	< 9.65	U	µg/kg	9.65						
beta-BHC	< 9.65	U	µg/kg	9.65						
beta-BHC [2C]	< 9.65	U	µg/kg	9.65						
delta-BHC	< 9.65	U	µg/kg	9.65						
delta-BHC [2C]	< 9.65	U	µg/kg	9.65						
gamma-BHC (Lindane)	< 5.79	U	µg/kg	5.79						
gamma-BHC (Lindane) [2C]	< 5.79	U	µg/kg	5.79						
Heptachlor	< 9.65	U	µg/kg	9.65						
Heptachlor [2C]	< 9.65	U	µg/kg	9.65						
Aldrin	< 9.65	U	µg/kg	9.65						
Aldrin [2C]	< 9.65	U	µg/kg	9.65						
Heptachlor epoxide	< 9.65	U	µg/kg	9.65						
Heptachlor epoxide [2C]	< 9.65	U	µg/kg	9.65						
Endosulfan I	< 9.65	U	µg/kg	9.65						
Endosulfan I [2C]	< 9.65	U	µg/kg	9.65						
Dieldrin	< 9.65	U	µg/kg	9.65						
Dieldrin [2C]	< 9.65	U	µg/kg	9.65						
4,4'-DDE (p,p')	< 9.65	U	µg/kg	9.65						
4,4'-DDE (p,p') [2C]	< 9.65	U	µg/kg	9.65						
Endrin	< 15.4	U	µg/kg	15.4						
Endrin [2C]	< 15.4	U	µg/kg	15.4						
Endosulfan II	< 15.4	U	µg/kg	15.4						
Endosulfan II [2C]	< 15.4	U	µg/kg	15.4						
4,4'-DDD (p,p')	< 15.4	U	µg/kg	15.4						
4,4'-DDD (p,p') [2C]	< 15.4	U	µg/kg	15.4						
Endosulfan sulfate	< 15.4	U	µg/kg	15.4						
Endosulfan sulfate [2C]	< 15.4	U	µg/kg	15.4						
4,4'-DDT (p,p')	< 15.4	U	µg/kg	15.4						
4,4'-DDT (p,p') [2C]	< 15.4	U	µg/kg	15.4						
Methoxychlor	< 15.4	U	µg/kg	15.4						
Methoxychlor [2C]	< 15.4	U	µg/kg	15.4						
Endrin Ketone	< 15.4	U	µg/kg	15.4						
Endrin ketone [2C]	< 15.4	U	µg/kg	15.4						
Endrin aldehyde	< 15.4	U	µg/kg	15.4						
Endrin aldehyde [2C]	< 15.4	U	µg/kg	15.4						
alpha-Chlordane	< 9.65	U	µg/kg	9.65						
alpha-Chlordane [2C]	< 9.65	U	µg/kg	9.65						
Chlordane (gamma)(trans)	< 9.65	U	µg/kg	9.65						
Chlordane (gamma)(trans) [2C]	< 9.65	U	µg/kg	9.65						
Toxaphene	< 193	U	µg/kg	193						
Toxaphene [2C]	< 193	U	µg/kg	193						
Chlordane	< 38.6	U	µg/kg	38.6						
Chlordane [2C]	< 38.6	U	µg/kg	38.6						
Alachlor	< 9.65	U	µg/kg	9.65						
Alachlor [2C]	< 9.65	U	µg/kg	9.65						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.7*		µg/kg		*19.3*		*102*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.7*		µg/kg		*19.3*		*113*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.1*		µg/kg		*19.3*		*115*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1715333 - SW846 3550C										
Blank (1715333-BLK1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.9*		µg/kg		*19.3*		*98*	*30-150*		
LCS (1715333-BS1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
alpha-BHC	**44.7**		µg/kg	9.80	49.0		91	40-140		
alpha-BHC [2C]	**45.5**		µg/kg	9.80	49.0		93	40-140		
beta-BHC	**45.6**		µg/kg	9.80	49.0		93	40-140		
beta-BHC [2C]	**49.9**		µg/kg	9.80	49.0		102	40-140		
delta-BHC	**45.8**		µg/kg	9.80	49.0		93	40-140		
delta-BHC [2C]	**48.0**		µg/kg	9.80	49.0		98	40-140		
gamma-BHC (Lindane)	**46.4**		µg/kg	5.88	49.0		95	40-140		
gamma-BHC (Lindane) [2C]	**52.1**		µg/kg	5.88	49.0		106	40-140		
Heptachlor	**45.4**		µg/kg	9.80	49.0		93	40-140		
Heptachlor [2C]	**49.8**		µg/kg	9.80	49.0		102	40-140		
Aldrin	**45.7**		µg/kg	9.80	49.0		93	40-140		
Aldrin [2C]	**54.2**		µg/kg	9.80	49.0		111	40-140		
Heptachlor epoxide	**47.2**		µg/kg	9.80	49.0		96	40-140		
Heptachlor epoxide [2C]	**52.6**		µg/kg	9.80	49.0		107	40-140		
Endosulfan I	**48.8**		µg/kg	9.80	49.0		100	40-140		
Endosulfan I [2C]	**54.6**		µg/kg	9.80	49.0		111	40-140		
Dieldrin	**48.3**		µg/kg	9.80	49.0		99	40-140		
Dieldrin [2C]	**52.6**		µg/kg	9.80	49.0		107	40-140		
4,4'-DDE (p,p')	**48.3**		µg/kg	9.80	49.0		99	40-140		
4,4'-DDE (p,p') [2C]	**57.1**		µg/kg	9.80	49.0		117	40-140		
Endrin	**54.1**		µg/kg	15.7	49.0		111	40-140		
Endrin [2C]	**60.9**		µg/kg	15.7	49.0		124	40-140		
Endosulfan II	**51.4**		µg/kg	15.7	49.0		105	40-140		
Endosulfan II [2C]	**54.0**		µg/kg	15.7	49.0		110	40-140		
4,4'-DDD (p,p')	**50.7**		µg/kg	15.7	49.0		104	40-140		
4,4'-DDD (p,p') [2C]	**58.6**		µg/kg	15.7	49.0		120	40-140		
Endosulfan sulfate	**52.8**		µg/kg	15.7	49.0		108	40-140		
Endosulfan sulfate [2C]	**53.7**		µg/kg	15.7	49.0		110	40-140		
4,4'-DDT (p,p')	**50.6**		µg/kg	15.7	49.0		103	40-140		
4,4'-DDT (p,p') [2C]	**44.4**		µg/kg	15.7	49.0		91	40-140		
Methoxychlor	**59.2**		µg/kg	15.7	49.0		121	40-140		
Methoxychlor [2C]	**47.6**		µg/kg	15.7	49.0		97	40-140		
Endrin Ketone	**56.5**		µg/kg	15.7	49.0		115	40-140		
Endrin ketone [2C]	**53.0**		µg/kg	15.7	49.0		108	40-140		
Endrin aldehyde	**57.0**		µg/kg	15.7	49.0		116	40-140		
Endrin aldehyde [2C]	**59.4**		µg/kg	15.7	49.0		121	40-140		
alpha-Chlordane	**48.7**		µg/kg	9.80	49.0		99	40-140		
alpha-Chlordane [2C]	**54.6**		µg/kg	9.80	49.0		111	40-140		
Chlordane (gamma)(trans)	**47.3**		µg/kg	9.80	49.0		97	40-140		
Chlordane (gamma)(trans) [2C]	**53.7**		µg/kg	9.80	49.0		110	40-140		
Alachlor	**54.2**		µg/kg	9.80	49.0		111	40-140		
Alachlor [2C]	**50.5**		µg/kg	9.80	49.0		103	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg		*19.6*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.5*		µg/kg		*19.6*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.5*		µg/kg		*19.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.5*		µg/kg		*19.6*		*84*	*30-150*		
LCS Dup (1715333-BSD1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1715333 - SW846 3550C										
LCS Dup (1715333-BSD1)					Prepared: 08-Sep-17 Analyzed: 12-Sep-17					
alpha-BHC	**43.2**		µg/kg	9.76	48.8		89	40-140	3	30
alpha-BHC [2C]	**42.3**		µg/kg	9.76	48.8		87	40-140	7	30
beta-BHC	**43.8**		µg/kg	9.76	48.8		90	40-140	4	30
beta-BHC [2C]	**44.9**		µg/kg	9.76	48.8		92	40-140	11	30
delta-BHC	**43.7**		µg/kg	9.76	48.8		90	40-140	5	30
delta-BHC [2C]	**43.3**		µg/kg	9.76	48.8		89	40-140	10	30
gamma-BHC (Lindane)	**45.0**		µg/kg	5.86	48.8		92	40-140	3	30
gamma-BHC (Lindane) [2C]	**48.0**		µg/kg	5.86	48.8		98	40-140	8	30
Heptachlor	**43.5**		µg/kg	9.76	48.8		89	40-140	4	30
Heptachlor [2C]	**45.3**		µg/kg	9.76	48.8		93	40-140	9	30
Aldrin	**43.8**		µg/kg	9.76	48.8		90	40-140	4	30
Aldrin [2C]	**48.5**		µg/kg	9.76	48.8		99	40-140	11	30
Heptachlor epoxide	**45.2**		µg/kg	9.76	48.8		93	40-140	4	30
Heptachlor epoxide [2C]	**46.4**		µg/kg	9.76	48.8		95	40-140	12	30
Endosulfan I	**46.7**		µg/kg	9.76	48.8		96	40-140	5	30
Endosulfan I [2C]	**48.3**		µg/kg	9.76	48.8		99	40-140	12	30
Dieldrin	**46.1**		µg/kg	9.76	48.8		94	40-140	5	30
Dieldrin [2C]	**47.6**		µg/kg	9.76	48.8		97	40-140	10	30
4,4'-DDE (p,p')	**46.2**		µg/kg	9.76	48.8		95	40-140	5	30
4,4'-DDE (p,p') [2C]	**48.8**		µg/kg	9.76	48.8		100	40-140	16	30
Endrin	**51.1**		µg/kg	15.6	48.8		105	40-140	6	30
Endrin [2C]	**53.1**		µg/kg	15.6	48.8		109	40-140	14	30
Endosulfan II	**48.4**		µg/kg	15.6	48.8		99	40-140	6	30
Endosulfan II [2C]	**47.0**		µg/kg	15.6	48.8		96	40-140	14	30
4,4'-DDD (p,p')	**47.5**		µg/kg	15.6	48.8		97	40-140	7	30
4,4'-DDD (p,p') [2C]	**49.0**		µg/kg	15.6	48.8		100	40-140	18	30
Endosulfan sulfate	**49.2**		µg/kg	15.6	48.8		101	40-140	7	30
Endosulfan sulfate [2C]	**45.6**		µg/kg	15.6	48.8		93	40-140	16	30
4,4'-DDT (p,p')	**47.2**		µg/kg	15.6	48.8		97	40-140	7	30
4,4'-DDT (p,p') [2C]	**39.7**		µg/kg	15.6	48.8		81	40-140	11	30
Methoxychlor	**52.5**		µg/kg	15.6	48.8		107	40-140	12	30
Methoxychlor [2C]	**42.3**		µg/kg	15.6	48.8		87	40-140	12	30
Endrin Ketone	**52.5**		µg/kg	15.6	48.8		108	40-140	7	30
Endrin ketone [2C]	**44.6**		µg/kg	15.6	48.8		91	40-140	17	30
Endrin aldehyde	**52.8**		µg/kg	15.6	48.8		108	40-140	8	30
Endrin aldehyde [2C]	**51.1**		µg/kg	15.6	48.8		105	40-140	15	30
alpha-Chlordane	**46.4**		µg/kg	9.76	48.8		95	40-140	5	30
alpha-Chlordane [2C]	**47.8**		µg/kg	9.76	48.8		98	40-140	13	30
Chlordane (gamma)(trans)	**45.3**		µg/kg	9.76	48.8		93	40-140	4	30
Chlordane (gamma)(trans) [2C]	**46.6**		µg/kg	9.76	48.8		95	40-140	14	30
Alachlor	**51.2**		µg/kg	9.76	48.8		105	40-140	6	30
Alachlor [2C]	**45.1**		µg/kg	9.76	48.8		92	40-140	11	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg		*19.5*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.5*		µg/kg		*19.5*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.5*		µg/kg		*19.5*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.3*		µg/kg		*19.5*		*68*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 1664B										
Batch 1715447 - SW846 3510C										
Blank (1715447-BLK1)						Prepared & Analyzed: 11-Sep-17				
Non-polar material (SGT-HEM)	< 80.0	U	mg/kg	80.0						
LCS (1715447-BS1)						Prepared & Analyzed: 11-Sep-17				
Non-polar material (SGT-HEM)	**2080**		mg/kg	80.0	2650		79	64-132		
Batch 1715448 - SW846 3550C										
LCS (1715448-BS1)						Prepared & Analyzed: 11-Sep-17				
Non-polar material (SGT-HEM)	**2280**		mg/kg wet	79.9	2640		86	64-132		
Duplicate (1715448-DUP1)			**Source: SC38763-10**			Prepared & Analyzed: 11-Sep-17				
Non-polar material (SGT-HEM)	**164000**		mg/kg dry	109		167000			2	200
SW846 8100Mod.										
Batch 1715504 - SW846 3550C										
Blank (1715504-BLK1)						Prepared: 11-Sep-17 Analyzed: 12-Sep-17				
Gasoline	< 1820	U	mg/kg	1820						
Fuel Oil #2	< 1820	U	mg/kg	1820						
Fuel Oil #4	< 1820	U	mg/kg	1820						
Fuel Oil #6	< 1820	U	mg/kg	1820						
Motor Oil	< 1820	U	mg/kg	1820						
Ligroin	< 1820	U	mg/kg	1820						
Aviation Fuel	< 1820	U	mg/kg	1820						
Hydraulic Oil	< 1820	U	mg/kg	1820						
Dielectric Fluid	< 1820	U	mg/kg	1820						
Unidentified	< 1820	U	mg/kg	1820						
Other Oil	< 1820	U	mg/kg	1820						
Total Petroleum Hydrocarbons	< 1820	U	mg/kg	1820						
Surrogate: 1-Chlorooctadecane	*46.8*		mg/kg		*45.5*		*103*	*40-140*		
LCS (1715504-BS1)						Prepared: 11-Sep-17 Analyzed: 12-Sep-17				
Fuel Oil #2	**3150**		mg/kg	1400	2800		112	40-140		
Surrogate: 1-Chlorooctadecane	*29.4*		mg/kg		*35.0*		*84*	*40-140*		
LCS Dup (1715504-BSD1)						Prepared: 11-Sep-17 Analyzed: 12-Sep-17				
Fuel Oil #2	**1750**	QR2	mg/kg	1350	1350		129	40-140	57	30
Surrogate: 1-Chlorooctadecane	*33.4*		mg/kg		*33.8*		*99*	*40-140*		
Duplicate (1715504-DUP1)			**Source: SC38763-04**			Prepared: 11-Sep-17 Analyzed: 12-Sep-17				
Gasoline	< 1360	U	mg/kg	1360		BRL				50
Fuel Oil #2	< 1360	U	mg/kg	1360		BRL				50
Fuel Oil #4	< 1360	U	mg/kg	1360		BRL				50
Fuel Oil #6	< 1360	U	mg/kg	1360		BRL				50
Motor Oil	< 1360	U	mg/kg	1360		BRL				50
Ligroin	< 1360	U	mg/kg	1360		BRL				50
Aviation Fuel	< 1360	U	mg/kg	1360		BRL				50
Hydraulic Oil	< 1360	U	mg/kg	1360		BRL				50
Dielectric Fluid	< 1360	U	mg/kg	1360		BRL				50
Unidentified	**9780**	QR5	mg/kg	1360		17200			55	50
Other Oil	**Calculated as**		mg/kg	1360		alculated a				50
Total Petroleum Hydrocarbons	**9780**	QR5	mg/kg	1360		17200			55	50
Surrogate: 1-Chlorooctadecane	*47.1*		mg/kg		*34.2*		*138*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 1715369 - SW846 3051A										
Blank (1715369-BLK1)					Prepared & Analyzed: 08-Sep-17					
Iron	**11.4**	J	mg/kg	38.6						
Potassium	**9.92**	J	mg/kg	47.7						
Manganese	< 0.954	U	mg/kg	0.954						
Selenium	< 1.43	U	mg/kg	1.43						
Silver	< 1.43	U	mg/kg	1.43						
Lead	< 1.43	U	mg/kg	1.43						
Thallium	< 2.86	U	mg/kg	2.86						
Antimony	< 4.77	U	mg/kg	4.77						
Zinc	< 1.00	U	mg/kg	1.00						
Beryllium	< 0.477	U	mg/kg	0.477						
Aluminum	**5.19**	J	mg/kg	5.25						
Vanadium	< 1.43	U	mg/kg	1.43						
Barium	< 0.954	U	mg/kg	0.954						
Nickel	< 0.954	U	mg/kg	0.954						
Calcium	**5.70**	J	mg/kg	23.9						
Cadmium	< 0.477	U	mg/kg	0.477						
Cobalt	< 0.954	U	mg/kg	0.954						
Chromium	< 0.954	U	mg/kg	0.954						
Copper	< 0.954	U	mg/kg	0.954						
Magnesium	**3.67**	J	mg/kg	4.77						
Sodium	**67.5**	J	mg/kg	444						
Arsenic	< 1.43	U	mg/kg	1.43						
Duplicate (1715369-DUP1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Iron	< 202	R06, U	mg/kg	202		BRL				20
Potassium	**94.9**	J	mg/kg	249		92.1			3	20
Manganese	< 4.98	U	mg/kg	4.98		BRL				20
Antimony	< 24.9	U	mg/kg	24.9		BRL				20
Cobalt	< 4.98	U	mg/kg	4.98		BRL				20
Zinc	< 5.23	R06, U	mg/kg	5.23		BRL				20
Vanadium	< 7.47	U	mg/kg	7.47		BRL				20
Thallium	< 14.9	U	mg/kg	14.9		BRL				20
Selenium	< 7.47	U	mg/kg	7.47		BRL				20
Arsenic	< 7.47	U	mg/kg	7.47		BRL				20
Silver	< 7.47	U	mg/kg	7.47		BRL				20
Copper	< 4.98	U	mg/kg	4.98		BRL				20
Aluminum	< 27.4	R06, U	mg/kg	27.4		BRL				20
Lead	< 7.47	U	mg/kg	7.47		BRL				20
Barium	< 4.98	U	mg/kg	4.98		BRL				20
Beryllium	< 2.49	U	mg/kg	2.49		BRL				20
Calcium	< 125	U	mg/kg	125		BRL				20
Cadmium	< 2.49	U	mg/kg	2.49		BRL				20
Chromium	< 4.98	U	mg/kg	4.98		BRL				20
Magnesium	< 24.9	U	mg/kg	24.9		BRL				20
Sodium	**6370**	R06	mg/kg	2320		6360			0.2	20
Nickel	< 4.98	U	mg/kg	4.98		BRL				20
Matrix Spike (1715369-MS1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Iron	**496**		mg/kg	152	470	BRL	106	75-125		
Potassium	**4890**		mg/kg	188	4700	92.1	102	75-125		
Manganese	**477**		mg/kg	3.76	470	BRL	101	75-125		
Nickel	**462**		mg/kg	3.76	470	BRL	98	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 1715369 - SW846 3051A										
Matrix Spike (1715369-MS1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Vanadium	**472**		mg/kg	5.64	470	BRL	100	75-125		
Thallium	**436**		mg/kg	11.3	470	BRL	93	75-125		
Selenium	**466**		mg/kg	5.64	470	BRL	99	75-125		
Lead	**459**		mg/kg	5.64	470	0.848	97	75-125		
Zinc	**453**		mg/kg	3.95	470	BRL	97	75-125		
Antimony	**447**		mg/kg	18.8	470	BRL	95	75-125		
Silver	**435**		mg/kg	5.64	470	BRL	93	75-125		
Aluminum	**451**		mg/kg	20.7	470	BRL	96	75-125		
Arsenic	**461**		mg/kg	5.64	470	BRL	98	75-125		
Barium	**499**		mg/kg	3.76	470	0.513	106	75-125		
Beryllium	**480**		mg/kg	1.88	470	BRL	102	75-125		
Magnesium	**470**		mg/kg	18.8	470	BRL	100	75-125		
Cadmium	**460**		mg/kg	1.88	470	BRL	98	75-125		
Cobalt	**460**		mg/kg	3.76	470	BRL	98	75-125		
Chromium	**483**		mg/kg	3.76	470	BRL	103	75-125		
Copper	**508**		mg/kg	3.76	470	BRL	108	75-125		
Calcium	**2440**		mg/kg	93.9	2350	23.2	103	75-125		
Sodium	**8500**		mg/kg	1750	2350	6360	91	75-125		
Matrix Spike Dup (1715369-MSD1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Manganese	**600**	QR9	mg/kg	4.81	601	BRL	100	75-125	23	20
Iron	**636**	QR9	mg/kg	195	601	BRL	106	75-125	25	20
Potassium	**6170**	QR9	mg/kg	240	6010	92.1	101	75-125	23	20
Selenium	**597**	QR9	mg/kg	7.21	601	BRL	99	75-125	25	20
Thallium	**568**	QR9	mg/kg	14.4	601	BRL	94	75-125	26	20
Zinc	**579**	QR9	mg/kg	5.05	601	BRL	96	75-125	24	20
Lead	**602**	QR9	mg/kg	7.21	601	BRL	100	75-125	27	20
Nickel	**602**	QR9	mg/kg	4.81	601	BRL	100	70-130	26	20
Vanadium	**596**	QR9	mg/kg	7.21	601	BRL	99	75-125	23	20
Barium	**630**	QR9	mg/kg	4.81	601	BRL	105	75-125	23	20
Silver	**557**	QR9	mg/kg	7.21	601	BRL	93	75-125	25	20
Antimony	**578**	QR9	mg/kg	24.0	601	BRL	96	75-125	26	20
Arsenic	**592**	QR9	mg/kg	7.21	601	BRL	98	75-125	25	20
Beryllium	**612**	QR9	mg/kg	2.40	601	BRL	102	75-125	24	20
Calcium	**3130**	QR9	mg/kg	120	3000	BRL	104	75-125	25	20
Cadmium	**590**	QR9	mg/kg	2.40	601	BRL	98	75-125	25	20
Cobalt	**595**	QR9	mg/kg	4.81	601	BRL	99	75-125	25	20
Chromium	**610**	QR9	mg/kg	4.81	601	BRL	102	75-125	23	20
Copper	**657**	QR9	mg/kg	4.81	601	BRL	109	75-125	26	20
Magnesium	**612**	QR9	mg/kg	24.0	601	BRL	102	75-125	26	20
Sodium	**8840**		mg/kg	2230	3000	6360	82	75-125	4	20
Aluminum	**591**	QR9	mg/kg	26.4	601	BRL	98	75-125	27	20
Post Spike (1715369-PS1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Iron	**597**		mg/kg	181	558	BRL	107	80-120		
Potassium	**5810**		mg/kg	223	5580	92.1	102	80-120		
Manganese	**568**		mg/kg	4.46	558	BRL	102	80-120		
Aluminum	**555**		mg/kg	24.6	558	BRL	99	80-120		
Antimony	**539**		mg/kg	22.3	558	BRL	97	80-120		
Zinc	**541**		mg/kg	4.69	558	BRL	97	80-120		
Vanadium	**562**		mg/kg	6.70	558	BRL	101	80-120		
Thallium	**528**		mg/kg	13.4	558	BRL	95	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 1715369 - SW846 3051A										
Post Spike (1715369-PS1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 09-Sep-17					
Selenium	**548**		mg/kg	6.70	558	BRL	98	80-120		
Cobalt	**552**		mg/kg	4.46	558	BRL	99	80-120		
Nickel	**556**		mg/kg	4.46	558	BRL	100	80-120		
Sodium	**8380**	QM9	mg/kg	2080	2790	6360	72	80-120		
Magnesium	**563**		mg/kg	22.3	558	BRL	101	80-120		
Copper	**605**		mg/kg	4.46	558	BRL	108	80-120		
Chromium	**574**		mg/kg	4.46	558	BRL	103	80-120		
Silver	**408**	QM9	mg/kg	6.70	558	BRL	73	80-120		
Lead	**556**		mg/kg	6.70	558	BRL	100	80-120		
Arsenic	**552**		mg/kg	6.70	558	BRL	99	80-120		
Barium	**590**		mg/kg	4.46	558	BRL	106	80-120		
Cadmium	**550**		mg/kg	2.23	558	BRL	99	80-120		
Calcium	**2900**		mg/kg	112	2790	23.2	103	80-120		
Beryllium	**560**		mg/kg	2.23	558	BRL	100	80-120		
Reference (1715369-SRM1)					Prepared & Analyzed: 08-Sep-17					
Potassium	**1140**		mg/kg	50.0	1220		94	71.1-128.5		
Iron	**7660**		mg/kg	40.5	7640		100	47.2-152.6		
Manganese	**119**		mg/kg	1.00	136		88	81.5-118.5		
Arsenic	**13.2**		mg/kg	1.50	14.9		89	70.3-130.1		
Selenium	**25.4**		mg/kg	1.50	30.5		84	78.2-121.9		
Silver	**15.4**		mg/kg	1.50	18.3		84	75.8-124.2		
Aluminum	**3780**		mg/kg	5.50	4410		86	54.5-146		
Zinc	**94.8**		mg/kg	1.05	112		85	83-117		
Thallium	**45.9**		mg/kg	3.00	50.8		90	79.2-120.8		
Antimony	**88.3**		mg/kg	5.00	58.8		150	25-204.3		
Lead	**60.1**		mg/kg	1.50	69.8		86	82-117.3		
Nickel	**55.4**		mg/kg	1.00	64.8		86	82.9-117.1		
Sodium	**488**		mg/kg	465	412		119	71.8-128.2		
Copper	**68.8**		mg/kg	1.00	76.9		89	81.7-117.6		
Chromium	**47.3**		mg/kg	1.00	51.3		92	80.1-119.6		
Cobalt	**21.8**		mg/kg	1.00	25.8		85	84-115.8		
Cadmium	**30.8**		mg/kg	0.500	35.9		86	83.1-116.9		
Calcium	**2920**		mg/kg	25.0	3170		92	82.9-117.3		
Barium	**88.2**		mg/kg	1.00	99.5		89	82.8-117.2		
Magnesium	**1210**		mg/kg	5.00	1390		87	76.8-123.6		
Beryllium	**41.5**		mg/kg	0.500	46.2		90	82.9-117.4		
Vanadium	**37.6**		mg/kg	1.50	40.9		92	78.1-121.9		
Reference (1715369-SRM2)					Prepared & Analyzed: 08-Sep-17					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 1715369 - SW846 3051A										
Reference (1715369-SRM2)					Prepared & Analyzed: 08-Sep-17					
Manganese	**117**		mg/kg	1.00	137		85	81.5-118.5		
Iron	**7900**		mg/kg	40.5	7730		102	47.2-152.6		
Potassium	**1190**		mg/kg	50.0	1230		96	71.1-128.5		
Sodium	**583**	QM9	mg/kg	465	417		140	71.8-128.2		
Zinc	**96.5**		mg/kg	1.05	113		85	83-117		
Vanadium	**38.6**		mg/kg	1.50	41.4		93	78.1-121.9		
Thallium	**46.3**		mg/kg	3.00	51.4		90	79.2-120.8		
Antimony	**89.6**		mg/kg	5.00	59.5		150	25-204.3		
Lead	**58.8**		mg/kg	1.50	70.7		83	82-117.3		
Barium	**91.2**		mg/kg	1.00	101		90	82.8-117.2		
Selenium	**25.9**		mg/kg	1.50	30.8		84	78.2-121.9		
Magnesium	**1240**		mg/kg	5.00	1400		88	76.8-123.6		
Copper	**71.2**		mg/kg	1.00	77.8		91	81.7-117.6		
Chromium	**48.4**		mg/kg	1.00	51.9		93	80.1-119.6		
Cobalt	**22.2**		mg/kg	1.00	26.1		85	84-115.8		
Cadmium	**31.8**		mg/kg	0.500	36.4		87	83.1-116.9		
Nickel	**57.0**		mg/kg	1.00	65.6		87	82.9-117.1		
Beryllium	**42.4**		mg/kg	0.500	46.8		91	82.9-117.4		
Arsenic	**13.3**		mg/kg	1.50	15.1		88	70.3-130.1		
Aluminum	**4120**		mg/kg	5.50	4460		92	54.5-146		
Silver	**15.3**		mg/kg	1.50	18.5		82	75.8-124.2		
Calcium	**2990**		mg/kg	25.0	3210		93	82.9-117.3		
SW846 7471B										
Batch 1715371 - EPA200/SW7000 Series										
Blank (1715371-BLK1)					Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Mercury	< 0.0269	U	mg/kg	0.0269						
Duplicate (1715371-DUP1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Mercury	< 0.0270	U	mg/kg	0.0270		BRL				20
Matrix Spike (1715371-MS1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Mercury	**0.180**		mg/kg	0.0284	0.197	BRL	92	75-125		
Matrix Spike Dup (1715371-MSD1)			**Source: SC38763-12**		Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Mercury	**0.175**		mg/kg	0.0285	0.198	BRL	88	75-125	3	20
Reference (1715371-SRM1)					Prepared: 08-Sep-17 Analyzed: 13-Sep-17					
Mercury	**3.28**	QC2, D	mg/kg	0.600	2.38		138	72.1-128.1		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 300.0										
Batch 1715158 - General Preparation										
Blank (1715158-BLK1)						Prepared & Analyzed: 05-Sep-17				
Chloride	**0.0520**	J	mg/kg	1.00						
Fluoride	< 0.100	U	mg/kg	0.100						
Nitrate as N	< 0.100	U	mg/kg	0.100						
Sulfate as SO4	< 1.00	U	mg/kg	1.00						
LCS (1715158-BS1)						Prepared & Analyzed: 05-Sep-17				
Fluoride	**2.16**		mg/kg	0.100	2.00		108	90-110		
Chloride	**20.8**		mg/kg	1.00	20.0		104	90-110		
Nitrate as N	**2.07**		mg/kg	0.100	2.00		104	90-110		
Sulfate as SO4	**21.0**		mg/kg	1.00	20.0		105	90-110		
Duplicate (1715158-DUP1)			**Source: SC38763-01**			Prepared & Analyzed: 05-Sep-17				
Chloride	**45500**	D	mg/kg	952		46500			2	20
Matrix Spike (1715158-MS1)			**Source: SC38763-01**			Prepared & Analyzed: 05-Sep-17				
Chloride	**53400**	QM4X	mg/kg	987	7890	46500	87	90-110		
Matrix Spike Dup (1715158-MSD1)			**Source: SC38763-01**			Prepared & Analyzed: 05-Sep-17				
Chloride	**53500**	QM4X	mg/kg	987	7890	46500	88	90-110	0.05	20
Reference (1715158-SRM1)						Prepared & Analyzed: 05-Sep-17				
Sulfate as SO4	**24.9**		mg/kg	1.00	25.0		100	90-110		
Chloride	**23.7**		mg/kg	1.00	25.0		95	90-110		
Fluoride	**2.60**		mg/kg	0.100	2.50		104	90-110		
Nitrate as N	**2.45**		mg/kg	0.100	2.50		98	90-110		
SM2540 B (11)										
Batch 1715205 - General Preparation										
Blank (1715205-BLK1)						Prepared: 06-Sep-17 Analyzed: 08-Sep-17				
Total Solids	< 5.00	U	mg/l	5.00						
LCS (1715205-BS1)						Prepared: 06-Sep-17 Analyzed: 08-Sep-17				
Total Solids	**1160**		mg/l	10.0	1100		106	90-110		
Duplicate (1715205-DUP1)			**Source: SC38763-01**			Prepared: 06-Sep-17 Analyzed: 08-Sep-17				
Total Solids	**392000**		mg/l	1000		390000			0.4	5
Duplicate (1715205-DUP2)			**Source: SC38763-02**			Prepared: 06-Sep-17 Analyzed: 08-Sep-17				
Total Solids	**177000**		mg/l	500		181000			2	5
SM2540 G (11) Mod. calculation										
Batch 1715214 - General Preparation										
Duplicate (1715214-DUP1)			**Source: SC38763-10**			Prepared & Analyzed: 06-Sep-17				
Moisture	**29.1**		%			29.7			2	20
SW846 9012B										
Batch 1715372 - General Preparation										
Blank (1715372-BLK1)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	< 1.00	U	mg/kg	1.00						
Blank (1715372-BLK2)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	< 1.00	U	mg/kg	1.00						
LCS (1715372-BS1)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**41.8**		mg/kg	1.00	40.0		104	90-110		
LCS (1715372-BS2)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**20.3**		mg/kg	1.00	20.0		102	90-110		
LCS (1715372-BS3)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**42.4**		mg/kg	1.00	40.0		106	90-110		
LCS (1715372-BS4)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**20.9**		mg/kg	1.00	20.0		104	90-110		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 9012B										
Batch 1715372 - General Preparation										
Duplicate (1715372-DUP1)			**Source: SC38763-08**			Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**0.410**	J	mg/kg	0.489		0.426			4	35
Matrix Spike (1715372-MS1)			**Source: SC38763-08**			Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**5.63**		mg/kg	0.485	4.85	0.426	107	90-110		
Matrix Spike Dup (1715372-MSD1)			**Source: SC38763-08**			Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**5.90**	QM7	mg/kg	0.457	4.57	0.426	120	90-110	5	35
Reference (1715372-SRM1)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**78.8**		mg/kg	2.88	65.2		121	39.4-183		
Batch 1715376 - General Preparation										
Blank (1715376-BLK1)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	< 0.500	U	mg/kg wet	0.500						
LCS (1715376-BS1)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**43.0**		mg/kg wet	0.500	40.0		108	90-110		
Duplicate (1715376-DUP1)			**Source: SC38763-10**			Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	< 0.354	U	mg/kg dry	0.354		BRL				35
Matrix Spike (1715376-MS1)			**Source: SC38763-10**			Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**6.44**		mg/kg dry	0.313	6.25	BRL	103	90-110		
Matrix Spike Dup (1715376-MSD1)			**Source: SC38763-10**			Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**7.36**		mg/kg dry	0.341	6.82	BRL	108	90-110	13	35
Reference (1715376-SRM1)						Prepared & Analyzed: 08-Sep-17				
Cyanide (total)	**77.2**		mg/kg wet	1.15	65.2		118	39.4-183		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 1010A										
Batch 1715495 - General Preparation										
Duplicate (1715495-DUP1)			**Source: SC38763-02**			Prepared & Analyzed: 11-Sep-17				
Flashpoint	**108**		°F			105			3	35
Duplicate (1715495-DUP2)			**Source: SC38763-05**			Prepared & Analyzed: 11-Sep-17				
Flashpoint	**95**		°F			92			3	35
Duplicate (1715495-DUP3)			**Source: SC38763-13**			Prepared & Analyzed: 11-Sep-17				
Flashpoint	**94**		°F			90			4	35
Reference (1715495-SRM1)						Prepared & Analyzed: 11-Sep-17				
Flashpoint	**82**		°F		81.0		101	95-105		
SW846 9045D										
Batch 1715033 - General Preparation										
Reference (1715033-SRM1)						Prepared & Analyzed: 01-Sep-17				
pH	**6.03**		pH Units		6.00		100	97.5-102.5		
Reference (1715033-SRM2)						Prepared & Analyzed: 01-Sep-17				
pH	**6.04**		pH Units		6.00		101	97.5-102.5		
SW846 9095B										
Batch 1715092 - General Preparation										
Duplicate (1715092-DUP1)			**Source: SC38763-10**			Prepared: 01-Sep-17 Analyzed: 02-Sep-17				
Free Liquid	**Absent**		N/A			Absent				35
SW846 Ch. 7.3										
Batch 1715176 - General Preparation										
Blank (1715176-BLK1)						Prepared & Analyzed: 05-Sep-17				
Reactivity	**See Narrative**		mg/kg wet							
Reactive Cyanide	< 25.0	U	mg/kg wet	25.0						
Reactive Sulfide	< 50.0	U	mg/kg wet	50.0						
Reference (1715176-SRM1)						Prepared & Analyzed: 05-Sep-17				
Reactive Cyanide	< 25.0	U	mg/kg wet	25.0	200		0	0-200		
Reference (1715176-SRM2)						Prepared & Analyzed: 05-Sep-17				
Reactive Sulfide	< 50.0	U	mg/kg wet	50.0	13400		0	0-200		
Batch 1715415 - General Preparation										
Blank (1715415-BLK1)						Prepared: 08-Sep-17 Analyzed: 11-Sep-17				
Reactivity	**See Narrative**		mg/kg							
Reactive Cyanide	< 25.0	U	mg/kg	25.0						
Reactive Sulfide	< 50.0	U	mg/kg	50.0						
Duplicate (1715415-DUP1)			**Source: SC38763-01**			Prepared: 08-Sep-17 Analyzed: 11-Sep-17				
Reactivity	**See Narrative**		mg/kg			ee Narrativ				200
Reactive Cyanide	< 25.0	U	mg/kg	25.0		BRL				35
Reactive Sulfide	< 50.0	U	mg/kg	50.0		BRL				35
Reference (1715415-SRM1)						Prepared: 08-Sep-17 Analyzed: 11-Sep-17				
Reactive Cyanide	< 25.0	U	mg/kg	25.0	200		0	0-200		
Reference (1715415-SRM2)						Prepared: 08-Sep-17 Analyzed: 11-Sep-17				
Reactive Sulfide	< 50.0	U	mg/kg	50.0	13400		0	0-200		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM3500CRB-09,-11										
Batch 400283A - 400283-SM3500CRB										
BLK (BY95170-BLK)			**Source: BY95170**			Prepared & Analyzed: 05-Sep-17				
Chromium, Hexavalent	< 0.01		mg/L	0.01				-		
DUP (BY95170-DUP)			**Source: BY95170**			Prepared & Analyzed: 05-Sep-17				
Chromium, Hexavalent	< 0.01		mg/L	0.01				-	NC	20
LCS (BY95170-LCS)			**Source: BY95170**			Prepared & Analyzed: 05-Sep-17				
Chromium, Hexavalent	**0.2580**		mg/L	0.01	0.25		103	90-110		20
MS (BY95170-MS)			**Source: BY95170**			Prepared & Analyzed: 05-Sep-17				
Chromium, Hexavalent	**0.5434**		mg/L	0.01	0.5		109	85-115		20
SM4500PE-99,-11										
Batch 400509A - 400509-SM4500PE										
BLK (BY93695-BLK)			**Source: BY93695**			Prepared & Analyzed: 07-Sep-17				
Phosphorus, as P	< 0.01		mg/L	0.01				-		
DUP (BY93695-DUP)			**Source: BY93695**			Prepared & Analyzed: 07-Sep-17				
Phosphorus, as P	**0.37**		mg/L	0.01				-	0.0	20
LCS (BY93695-LCS)			**Source: BY93695**			Prepared & Analyzed: 07-Sep-17				
Phosphorus, as P	**3.814**		mg/L	0.01	3.74		102	85-115		20
MS (BY93695-MS)			**Source: BY93695**			Prepared & Analyzed: 07-Sep-17				
Phosphorus, as P	**0.6283**		mg/L	0.01	0.25		103	75-125		20
SW7470A										
Batch 400334A - 400334-										
BLK (BY95019-BLK)			**Source: BY95019**			Prepared & Analyzed: 06-Sep-17				
TCLP Mercury	< 0.0002		mg/L	0.0002				-		
DUP (BY95019-DUP)			**Source: BY95019**			Prepared & Analyzed: 06-Sep-17				
TCLP Mercury	< 0.0002		mg/L	0.0002				-	NC	20
LCS (BY95019-LCS)			**Source: BY95019**			Prepared & Analyzed: 06-Sep-17				
TCLP Mercury	**0.0023**		mg/L	0.0002	0.0025		91.9	80-120		20
MS (BY95019-MS)			**Source: BY95019**			Prepared & Analyzed: 06-Sep-17				
TCLP Mercury	**0.0021**		mg/L	0.0002	0.0025		84.9	75-125		20
SW8081B										
Batch 400440A - 400440-										
BLK (BY94926-BLK)			**Source: BY94926**			Prepared: 06-Sep-17 Analyzed: 07-Sep-17				
Hexachlorobenzene	**ND**	c8	ug/L	0.50				-		
4,4' -DDD	**ND**	c8	ug/L	0.25				-		
Endosulfan II	**ND**	c8	ug/L	0.50				-		
Endosulfan Sulfate	**ND**	c8	ug/L	0.50				-		
Endrin	**ND**	c8	ug/L	0.50				-		
Endrin Aldehyde	**ND**	c8	ug/L	0.50				-		
g-BHC (Lindane)	**ND**	c8	ug/L	0.15				-		
Heptachlor	**ND**	c8	ug/L	0.50				-		
Heptachlor epoxide	**ND**	c8	ug/L	0.50				-		
Toxaphene	**ND**	c8	ug/L	20				-		
Endosulfan I	**ND**	c8	ug/L	0.50				-		
Methoxychlor	**ND**	c8	ug/L	0.50				-		
4,4' -DDT	**ND**	c8	ug/L	0.25				-		
Dieldrin	**ND**	c8	ug/L	0.15				-		
4,4' -DDE	**ND**	c8	ug/L	0.25				-		
a-BHC	**ND**	c8	ug/L	0.15				-		
Alachlor	**ND**	c8	ug/L	0.50				-		
Aldrin	**ND**	c8	ug/L	0.15				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8081B										
Batch 400440A - 400440-										
BLK (BY94926-BLK)			**Source: BY94926**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
b-BHC	**ND**	c8	ug/L	0.15				-		
Chlordane	**ND**	c8	ug/L	5.0				-		
d-BHC	**ND**	c8	ug/L	0.50				-		
Surrogate: %TCMX (Surrogate Rec)	*83*	c8	ug/L		*100*			*30-150*		
Surrogate: %DCBP (Surrogate Rec)	*88*	c8	ug/L		*100*			*30-150*		
LCS (BY94926-LCS)			**Source: BY94926**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
Hexachlorobenzene	**44.68**	c8	ug/L	0.50	50		89	40-140		20
Dieldrin	**43.64**	c8	ug/L	0.15	50		87	40-140		20
Endrin Aldehyde	**42.12**	c8	ug/L	0.50	50		84	40-140		20
Endosulfan Sulfate	**42.74**	c8	ug/L	0.50	50		85	40-140		20
Endrin	**44.16**	c8	ug/L	0.50	50		88	40-140		20
g-BHC (Lindane)	**40.63**	c8	ug/L	0.15	50		81	40-140		20
Heptachlor	**43.58**	c8	ug/L	0.50	50		87	40-140		20
Heptachlor epoxide	**43.73**	c8	ug/L	0.50	50		87	40-140		20
Toxaphene	**ND**	c8	ug/L	20	50		NA	40-140		20
Endosulfan I	**45.90**	c8	ug/L	0.50	50		92	40-140		20
Methoxychlor	**44.31**	c8	ug/L	0.50	50		89	40-140		20
Endosulfan II	**44.39**	c8	ug/L	0.50	50		89	40-140		20
d-BHC	**39.92**	c8	ug/L	0.50	50		80	40-140		20
Chlordane	**40.40**	c8	ug/L	5.0	50		81	40-140		20
b-BHC	**42.76**	c8	ug/L	0.15	50		86	40-140		20
Aldrin	**39.24**	c8	ug/L	0.15	50		78	40-140		20
Alachlor	**ND**	c8	ug/L	0.50	50		NA	40-140		20
a-BHC	**40.87**	c8	ug/L	0.15	50		82	40-140		20
4,4' -DDT	**40.18**	c8	ug/L	0.25	50		80	40-140		20
4,4' -DDE	**41.30**	c8	ug/L	0.25	50		83	40-140		20
4,4' -DDD	**42.02**	c8	ug/L	0.25	50		84	40-140		20
Surrogate: %TCMX (Surrogate Rec)	*86.37*	c8	ug/L		*100*		*86*	*30-150*		
Surrogate: %DCBP (Surrogate Rec)	*97.45*	c8	ug/L		*100*		*97*	*30-150*		
LCSD (BY94926-LCSD)			**Source: BY94926**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
Hexachlorobenzene	**41.52**	c8	%	%	50		83	40-140	7.0	20
Dieldrin	**41.30**	c8	%	%	50		83	40-140	4.7	20
Methoxychlor	**41.62**	c8	%	%	50		83	40-140	7.0	20
Heptachlor epoxide	**42.37**	c8	%	%	50		85	40-140	2.3	20
Heptachlor	**40.88**	c8	%	%	50		82	40-140	5.9	20
g-BHC (Lindane)	**38.96**	c8	%	%	50		78	40-140	3.8	20
Endrin Aldehyde	**37.59**	c8	%	%	50		75	40-140	11.3	20
Endrin	**41.25**	c8	%	%	50		83	40-140	5.8	20
Endosulfan Sulfate	**39.45**	c8	%	%	50		79	40-140	7.3	20
Endosulfan II	**41.66**	c8	%	%	50		83	40-140	7.0	20
Endosulfan I	**43.55**	c8	%	%	50		87	40-140	5.6	20
Chlordane	**38.38**	c8	%	%	50		77	40-140	5.1	20
b-BHC	**40.67**	c8	%	%	50		81	40-140	6.0	20
Aldrin	**36.98**	c8	%	%	50		74	40-140	5.3	20
Alachlor	**ND**	c8	%	%	50		NA	40-140	NC	20
a-BHC	**40.16**	c8	%	%	50		80	40-140	2.5	20
4,4' -DDT	**37.67**	c8	%	%	50		75	40-140	6.5	20
4,4' -DDE	**39.24**	c8	%	%	50		78	40-140	6.2	20
4,4' -DDD	**39.56**	c8	%	%	50		79	40-140	6.1	20
Toxaphene	**ND**	c8	%	%	50		NA	40-140	NC	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8081B										
Batch 400440A - 400440-										
LCSD (BY94926-LCSD)			**Source: BY94926**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
d-BHC	**37.22**	c8	%	%	50		74	40-140	7.8	20
Surrogate: %TCMX (Surrogate Rec)	*82.10*	c8	%		*100*		*82*	*30-150*		
Surrogate: %DCBP (Surrogate Rec)	*89.40*	c8	%		*100*		*89*	*30-150*		
SW8151A										
Batch 400332A - 400332-										
BLK (BY95043-BLK)			**Source: BY95043**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
2,4,5-TP (Silvex)	**ND**		ug/L	2.5				-		
2,4-D	**ND**		ug/L	5.0				-		
Surrogate: % DCAA	*73*		ug/L		*500*			*30-150*		
LCS (BY95043-LCS)			**Source: BY95043**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
2,4,5-TP (Silvex)	**85.74**		ug/L	2.5	100		86	40-140		20
2,4-D	**145.6**		ug/L	5.0	200		73	40-140		20
Surrogate: % DCAA	*375.3*		ug/L		*500*		*75*	*30-150*		
LCSD (BY95043-LCSD)			**Source: BY95043**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
2,4,5-TP (Silvex)	**89.98**		%	%	100		90	40-140	4.5	20
2,4-D	**155.0**		%	%	200		78	40-140	6.6	20
Surrogate: % DCAA	*389.5*		%		*500*		*78*	*30-150*		
Batch 400378A - 400378-										
BLK (BY95071-BLK)			**Source: SC38763-15**		Prepared & Analyzed: 06-Sep-17					
2,4,5-T	**ND**		ug/Kg	2500		BRL		-		
Dinoseb	**ND**		ug/Kg	5000		BRL		-		
Dichloroprop	**ND**		ug/Kg	5000		BRL		-		
Dicamba	**ND**		ug/Kg	2500		BRL		-		
Dalapon	**ND**		ug/Kg	2500		BRL		-		
2,4,5-TP (Silvex)	**ND**		ug/Kg	2500		BRL		-		
2,4-DB	**ND**		ug/Kg	50000		BRL		-		
2,4-D	**ND**		ug/Kg	5000		BRL		-		
Surrogate: % DCAA	*51*		ug/Kg		*1000*			*30-150*		
LCS (BY95071-LCS)			**Source: SC38763-15**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
2,4-DB	**624.3**		ug/Kg	50000	1000	BRL	62	40-140		30
Dinoseb	**28.04**	I	ug/Kg	5000	100	BRL	28	40-140		30
Dichloroprop	**110.9**		ug/Kg	5000	200	BRL	55	40-140		30
Dalapon	**40.70**		ug/Kg	2500	100	BRL	41	40-140		30
2,4-D	**110.7**		ug/Kg	5000	200	BRL	55	40-140		30
2,4,5-TP (Silvex)	**64.41**		ug/Kg	2500	100	BRL	64	40-140		30
2,4,5-T	**48.04**		ug/Kg	2500	100	BRL	48	40-140		30
Dicamba	**49.86**		ug/Kg	2500	100	BRL	50	40-140		30
Surrogate: % DCAA	*476.9*		ug/Kg		*1000*		*48*	*30-150*		
LCSD (BY95071-LCSD)			**Source: SC38763-15**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
2,4,5-T	**49.48**		ug/Kg	%	100	BRL	49	40-140	2.1	30
Dichloroprop	**112.9**		ug/Kg	%	200	BRL	56	40-140	1.8	30
2,4,5-TP (Silvex)	**65.24**		ug/Kg	%	100	BRL	65	40-140	1.6	30
2,4-D	**102.8**		ug/Kg	%	200	BRL	51	40-140	7.5	30
2,4-DB	**657.8**		ug/Kg	%	1000	BRL	66	40-140	6.3	30
Dalapon	**42.10**		ug/Kg	%	100	BRL	42	40-140	2.4	30
Dinoseb	**26.55**	I	ug/Kg	%	100	BRL	27	40-140	3.6	30
Dicamba	**49.08**		ug/Kg	%	100	BRL	49	40-140	2.0	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8151A										
Batch 400378A - 400378-										
LCSD (BY95071-LCSD)			**Source: SC38763-15**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
Surrogate: % DCAA	*485.7*		ug/Kg		*1000*		*49*	*30-150*		
SW8260C										
Batch 400657A - 400657-										
BLK (BY96019-BLK)			**Source: BY96019**		Prepared: Analyzed: 07-Sep-17					
Chloroform	**ND**		ug/L	5.0				-		
Vinyl chloride	**ND**		ug/L	5.0				-		
Trichloroethene	**ND**		ug/L	5.0				-		
Methyl ethyl ketone	**ND**		ug/L	5.0				-		
Chlorobenzene	**ND**		ug/L	1.0				-		
Carbon tetrachloride	**ND**		ug/L	5.0				-		
1,2-Dichloroethane	**ND**		ug/L	0.60				-		
1,1-Dichloroethene	**ND**		ug/L	5.0				-		
Benzene	**ND**		ug/L	0.70				-		
Tetrachloroethene	**ND**		ug/L	1.0				-		
Surrogate: % 1,2-dichlorobenzene-d4	*100*		ug/L		*50*			*70-130*		
Surrogate: % Toluene-d8	*100*		ug/L		*50*			*70-130*		
Surrogate: % Dibromofluoromethane	*97*		ug/L		*50*			*70-130*		
Surrogate: % Bromofluorobenzene	*98*		ug/L		*50*			*70-130*		
LCS (BY96019-LCS)			**Source: BY96019**		Prepared: Analyzed: 07-Sep-17					
Chlorobenzene	**52.77**		ug/L	1.0	50		106	70-130		30
Carbon tetrachloride	**53.78**		ug/L	5.0	50		108	70-130		30
Benzene	**50.57**		ug/L	0.70	50		101	70-130		30
1,2-Dichloroethane	**51.44**		ug/L	0.60	50		103	70-130		30
Methyl ethyl ketone	**37.15**		ug/L	5.0	50		74	70-130		30
Tetrachloroethene	**54.26**		ug/L	1.0	50		109	70-130		30
Vinyl chloride	**44.43**		ug/L	5.0	50		89	70-130		30
Chloroform	**51.24**		ug/L	5.0	50		102	70-130		30
1,1-Dichloroethene	**50.96**		ug/L	5.0	50		102	70-130		30
Trichloroethene	**53.36**		ug/L	5.0	50		107	70-130		30
Surrogate: % Dibromofluoromethane	*50.86*		ug/L		*50*		*102*	*70-130*		
Surrogate: % Bromofluorobenzene	*51.35*		ug/L		*50*		*103*	*70-130*		
Surrogate: % 1,2-dichlorobenzene-d4	*50.67*		ug/L		*50*		*101*	*70-130*		
Surrogate: % Toluene-d8	*49.44*		ug/L		*50*		*99*	*70-130*		
LCSD (BY96019-LCSD)			**Source: BY96019**		Prepared: Analyzed: 07-Sep-17					
Methyl ethyl ketone	**40.54**		%	%	50		81	70-130	9.0	30
Vinyl chloride	**45.75**		%	%	50		91	70-130	2.2	30
Trichloroethene	**54.94**		%	%	50		110	70-130	2.8	30
Tetrachloroethene	**55.89**		%	%	50		112	70-130	2.7	30
1,1-Dichloroethene	**53.07**		%	%	50		106	70-130	3.8	30
1,2-Dichloroethane	**51.86**		%	%	50		104	70-130	1.0	30
Benzene	**52.11**		%	%	50		104	70-130	2.9	30
Carbon tetrachloride	**56.12**		%	%	50		112	70-130	3.6	30
Chlorobenzene	**54.50**		%	%	50		109	70-130	2.8	30
Chloroform	**53.18**		%	%	50		106	70-130	3.8	30
Surrogate: % 1,2-dichlorobenzene-d4	*48.85*		%		*50*		*98*	*70-130*		
Surrogate: % Bromofluorobenzene	*51.13*		%		*50*		*102*	*70-130*		
Surrogate: % Dibromofluoromethane	*51.70*		%		*50*		*103*	*70-130*		
Surrogate: % Toluene-d8	*48.88*		%		*50*		*98*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8260C										
Batch 400657A - 400657-										
MS (BY96019-MS)			**Source: BY96019**		Prepared: Analyzed: 08-Sep-17					
Chlorobenzene	**56.13**		ug/L	1.0	50		112	70-130		30
Vinyl chloride	**52.70**		ug/L	5.0	50		105	70-130		30
Trichloroethene	**59.18**		ug/L	5.0	50		118	70-130		30
Tetrachloroethene	**59.91**		ug/L	1.0	50		120	70-130		30
Chloroform	**55.73**		ug/L	5.0	50		111	70-130		30
Carbon tetrachloride	**61.05**		ug/L	5.0	50		122	70-130		30
Benzene	**55.52**		ug/L	0.70	50		111	70-130		30
1,2-Dichloroethane	**53.85**		ug/L	0.60	50		108	70-130		30
1,1-Dichloroethene	**60.47**		ug/L	5.0	50		121	70-130		30
Methyl ethyl ketone	**39.51**		ug/L	5.0	50		79	70-130		30
Surrogate: % Toluene-d8	*49.80*		ug/L		*50*		*100*	*70-130*		
Surrogate: % Dibromofluoromethane	*51.43*		ug/L		*50*		*103*	*70-130*		
Surrogate: % Bromofluorobenzene	*51.76*		ug/L		*50*		*104*	*70-130*		
Surrogate: % 1,2-dichlorobenzene-d4	*50.54*		ug/L		*50*		*101*	*70-130*		
MSD (BY96019-MSD)			**Source: BY96019**		Prepared: Analyzed: 08-Sep-17					
Chlorobenzene	**56.62**		%	%	50		113	70-130	0.9	30
Trichloroethene	**60.21**		%	%	50		120	70-130	1.7	30
Tetrachloroethene	**61.62**		%	%	50		123	70-130	2.5	30
Methyl ethyl ketone	**36.97**		%	%	50		74	70-130	6.5	30
1,1-Dichloroethene	**59.27**		%	%	50		119	70-130	1.7	30
Chloroform	**55.65**		%	%	50		111	70-130	0.0	30
Vinyl chloride	**52.19**		%	%	50		104	70-130	1.0	30
Benzene	**56.17**		%	%	50		112	70-130	0.9	30
1,2-Dichloroethane	**54.45**		%	%	50		109	70-130	0.9	30
Carbon tetrachloride	**60.53**		%	%	50		121	70-130	0.8	30
Surrogate: % Dibromofluoromethane	*48.50*		%		*50*		*97*	*70-130*		
Surrogate: % Bromofluorobenzene	*51.17*		%		*50*		*102*	*70-130*		
Surrogate: % 1,2-dichlorobenzene-d4	*49.13*		%		*50*		*98*	*70-130*		
Surrogate: % Toluene-d8	*49.28*		%		*50*		*99*	*70-130*		
SW8270D										
Batch 400439A - 400439-										
BLK (BY94926-BLK)			**Source: BY94926**		Prepared: 06-Sep-17 Analyzed: 07-Sep-17					
2-Methylphenol (o-cresol)	**ND**	c7	ug/L	17				-		
Pyridine	**ND**	c7	ug/L	83				-		
Pentachlorophenol	**ND**	c7	ug/L	58				-		
Nitrobenzene	**ND**	c7	ug/L	58				-		
Hexachloroethane	**ND**	c7	ug/L	58				-		
Hexachlorobutadiene	**ND**	c7	ug/L	58				-		
3&4-Methylphenol (m&p-Cresol)	**ND**	c7	ug/L	17				-		
2,4-Dinitrotoluene	**ND**	c7	ug/L	58				-		
2,4,5-Trichlorophenol	**ND**	c7	ug/L	17				-		
1,4-Dichlorobenzene	**ND**	c7	ug/L	17				-		
Hexachlorobenzene	**ND**	c7	ug/L	58				-		
2,4,6-Trichlorophenol	**ND**	c7	ug/L	17				-		
Surrogate: % Nitrobenzene-d5	*93*	c7	ug/L		*50*			*30-130*		
Surrogate: % 2,4,6-Tribromophenol	*93*	c7	ug/L		*75*			*15-110*		
Surrogate: % 2-Fluorophenol	*69*	c7	ug/L		*75*			*15-110*		
Surrogate: % Phenol-d5	*68*	c7	ug/L		*75*			*15-110*		
Surrogate: % Terphenyl-d14	*106*	c7	ug/L		*50*			*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8270D										
Batch 400439A - 400439-										
BLK (BY94926-BLK)			**Source: BY94926**			Prepared: 06-Sep-17 Analyzed: 07-Sep-17				
Surrogate: % 2-Fluorobiphenyl	*83*	c7	ug/L		*50*			*30-130*		
LCS (BY94926-LCS)			**Source: BY94926**			Prepared: 06-Sep-17 Analyzed: 07-Sep-17				
Pentachlorophenol	**19.75**	c7	ug/L	58	20		99	30-130		20
Pyridine	**9.350**	c7	ug/L	83	20		47	30-130		20
2,4,6-Trichlorophenol	**19.20**	c7	ug/L	17	20		96	30-130		20
2,4-Dinitrotoluene	**19.77**	c7	ug/L	58	20		99	30-130		20
2,4,5-Trichlorophenol	**19.61**	c7	ug/L	17	20		98	30-130		20
2-Methylphenol (o-cresol)	**17.78**	c7	ug/L	17	20		89	30-130		20
Hexachlorobenzene	**19.29**	c7	ug/L	58	20		96	30-130		20
Hexachlorobutadiene	**17.21**	c7	ug/L	58	20		86	30-130		20
Nitrobenzene	**18.85**	c7	ug/L	58	20		94	30-130		20
3&4-Methylphenol (m&p-Cresol)	**18.96**	c7	ug/L	17	20		95	30-130		20
1,4-Dichlorobenzene	**14.86**	c7	ug/L	17	20		74	30-130		20
Hexachloroethane	**14.61**	c7	ug/L	58	20		73	30-130		20
Surrogate: % Nitrobenzene-d5	*45.96*	c7	ug/L		*50*		*92*	*30-130*		
Surrogate: % 2-Fluorophenol	*51.44*	c7	ug/L		*75*		*69*	*15-110*		
Surrogate: % 2-Fluorobiphenyl	*46.64*	c7	ug/L		*50*		*93*	*30-130*		
Surrogate: % 2,4,6-Tribromophenol	*74.58*	c7	ug/L		*75*		*99*	*15-110*		
Surrogate: % Phenol-d5	*52.08*	c7	ug/L		*75*		*69*	*15-110*		
Surrogate: % Terphenyl-d14	*50.74*	c7	ug/L		*50*		*101*	*30-130*		
LCSD (BY94926-LCSD)			**Source: BY94926**			Prepared: 06-Sep-17 Analyzed: 07-Sep-17				
1,4-Dichlorobenzene	**14.15**	c7	%	%	20		71	30-130	4.1	20
Pentachlorophenol	**19.42**	c7	%	%	20		97	30-130	2.0	20
Nitrobenzene	**19.78**	c7	%	%	20		99	30-130	5.2	20
Hexachloroethane	**13.92**	c7	%	%	20		70	30-130	4.2	20
Hexachlorobutadiene	**14.53**	c7	%	%	20		73	30-130	16.4	20
Hexachlorobenzene	**17.81**	c7	%	%	20		89	30-130	7.6	20
3&4-Methylphenol (m&p-Cresol)	**19.64**	c7	%	%	20		98	30-130	3.1	20
2-Methylphenol (o-cresol)	**18.20**	c7	%	%	20		91	30-130	2.2	20
2,4-Dinitrotoluene	**20.93**	c7	%	%	20		105	30-130	5.9	20
2,4,6-Trichlorophenol	**18.41**	c7	%	%	20		92	30-130	4.3	20
2,4,5-Trichlorophenol	**19.27**	c7	%	%	20		96	30-130	2.1	20
Pyridine	**10.03**	c7	%	%	20		50	30-130	6.2	20
Surrogate: % Phenol-d5	*54.99*	c7	%		*75*		*73*	*15-110*		
Surrogate: % Nitrobenzene-d5	*46.74*	c7	%		*50*		*93*	*30-130*		
Surrogate: % 2-Fluorophenol	*52.14*	c7	%		*75*		*70*	*15-110*		
Surrogate: % 2-Fluorobiphenyl	*43.35*	c7	%		*50*		*87*	*30-130*		
Surrogate: % 2,4,6-Tribromophenol	*72.72*	c7	%		*75*		*97*	*15-110*		
Surrogate: % Terphenyl-d14	*51.34*	c7	%		*50*		*103*	*30-130*		

Pesticides - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S708083			
Performance Mix (S708083-PEM1)			
4,4'-DDT (p,p')	1	12.2	15.0
Endrin	1	11.4	15.0
4,4'-DDT (p,p')	2	10.4	15.0
Endrin	2	11.5	15.0
Performance Mix (S708083-PEM2)			
4,4'-DDT (p,p')	1	11.8	15.0
Endrin	1	13.1	15.0
4,4'-DDT (p,p')	2	12.3	15.0
Endrin	2	12.1	15.0

The following list indicates the date and time low-level VOC soil/sediment samples were placed in the freezer at the lab:

SC38763-01	*Chloride*	9/1/2017 4:58 PM
SC38763-02	*Flammable*	9/1/2017 4:58 PM
SC38763-03	*Combustible 1*	9/1/2017 4:58 PM
SC38763-04	*Combustible 2*	9/1/2017 4:58 PM
SC38763-05	*Combustible 3*	9/1/2017 4:58 PM
SC38763-06	*Cyanide*	9/1/2017 4:58 PM
SC38763-07	*Acidic*	9/1/2017 4:58 PM
SC38763-08	*Basic Chloride*	9/1/2017 4:58 PM
SC38763-09	*Oxidizer*	9/1/2017 4:58 PM
SC38763-11	*Inorganic 1*	9/1/2017 4:58 PM
SC38763-12	*Inorganic 2*	9/1/2017 4:58 PM
SC38763-13	*Corrosive Basic*	9/1/2017 4:58 PM
SC38763-14	*Organic*	9/1/2017 4:58 PM
SC38763-15	*Waste Oil*	9/1/2017 4:58 PM
SC38763-16	*Pump Decon*	9/1/2017 4:58 PM

Notes and Definitions

c7	A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
c8	A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.
D	Data reported from a dilution
DC8	Matrix interference affected the internal standard recovery on the confirmation column. The results from the primary column were used.
E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
IS1	Internal standard out due to matrix interference
ISDUP	Duplicate analysis confirmed internal standard failure due to matrix effects.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
J N	(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.
l	This parameter is outside laboratory lcs/lcsd specified recovery limits.
NonTRG TIC	Non-target concentration sufficient to be reported as one of the highest TICs.
Q1	Due to matrix interference observed in the extraction step, poor surrogate recovery was observed.
Q2	Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, surrogate recoveries could not be reported.
Q3	
Q4	Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.
Q5	Poor surrogate recovery was observed.
Q7	Sample was evaluated against an external standard.
Q8	[Undefined]
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
R01	The Reporting Limit has been raised to account for matrix interference.
R04	The Reporting Limits for this analysis are elevated due to sample foaming.
R06	MRL raised to correlate to batch QC reporting limits.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Notes and Definitions

S04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
SAC	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.
SGCMSVOC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

September 11, 2017

Dulce Litchfield
Eurofins Spectrum Analytical
11 Almgren Dr.
Agawam, MA 01001
TEL: (413) 789-9018
FAX: (413) 789-4076

RE: SC38763

Dear Dulce Litchfield: Order No.: 17090267

Summit Environmental Technologies, Inc. received 16 sample(s) on 9/6/2017 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Holly Florea

Holly Florea
Project Manager
3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0108, Delaware, Florida NELAC E87688, Georgia E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Louisiana 04061, Maryland 339, Minnesota 409711, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Oklahoma 9940, Oregon OH200001, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-11-5, Utah OH009232011-1, Virginia 00440 and 1581, Washington C891

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Case Narrative

WO#: **17090267**
Date: **9/11/2017**

CLIENT: Eurofins Spectrum Analytical
Project: SC38763

This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. State Certificates and Scopes of Accreditation are attached as applicable. Results provided in this report for any parameter not listed on the Scope of Accreditation should be considered “not certified.”

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Comments for TOX_NPW(9020), Sample 17090267-001A, Batch ID R74428 : DL raised due to matrix pH>2

Analytical Comments for TOX_NPW(9020), Sample 17090267-003A, Batch ID R74428 : DL raised due to matrix pH>2

Analytical Comments for TOX_NPW(9020), Sample 17090267-009A, Batch ID R74428 : DL raised due to matrix

Analytical Comments for TOX_NPW(9020), Sample 17090267-016A, Batch ID R74428 : DL raised due to matrix

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Workorder Sample Summary

WO#: **17090267**

11-Sep-17

CLIENT: Eurofins Spectrum Analytical
Project: SC38763

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
17090267-001	SC38763-01		8/30/2017 1:00:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-002	SC38763-02		8/30/2017 1:30:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-003	SC38763-03		8/30/2017 3:30:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-004	SC38763-04		8/30/2017 2:45:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-005	SC38763-05		8/30/2017 3:15:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-006	SC38763-06		8/30/2017 3:50:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-007	SC38763-07		8/30/2017 3:00:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-008	SC38763-08		8/30/2017 10:15:00 AM	9/6/2017 10:10:00 AM	Liquid
17090267-009	SC38763-09		8/30/2017 9:30:00 AM	9/6/2017 10:10:00 AM	Liquid
17090267-010	SC38763-10		8/29/2017 4:30:00 PM	9/6/2017 10:10:00 AM	Solid
17090267-011	SC38763-11		8/30/2017 12:45:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-012	SC38763-12		8/30/2017 10:00:00 AM	9/6/2017 10:10:00 AM	Liquid
17090267-013	SC38763-13		8/30/2017 11:00:00 AM	9/6/2017 10:10:00 AM	Liquid
17090267-014	SC38763-14		8/30/2017 2:20:00 PM	9/6/2017 10:10:00 AM	Liquid
17090267-015	SC38763-15		8/30/2017 11:30:00 AM	9/6/2017 10:10:00 AM	Oil
17090267-016	SC38763-16		8/30/2017 11:40:00 AM	9/6/2017 10:10:00 AM	Liquid

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WO#: **17090267**
Date Reported: **9/11/2017**
Company: Eurofins Spectrum Analytical
Address: 11 Almgren Dr.
Agawam MA 01001
Received: 9/6/2017
Project#: SC38763

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	MDL	PQL	Run	Analyst
SC38763-01	001	8/30/2017	Total Organic Halides	ND	mg/L	U	Liquid	EPA 9020	250	2.20	25.0	9/8/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-02	002	8/30/2017	Extractable Organic Halides	< 200.0	ppm	U	Liquid	EPA 9023	1	20.00	200.0	9/8/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-03	003	8/30/2017	Total Organic Halides	ND	mg/L	U	Liquid	EPA 9020	250	2.20	25.0	9/8/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-04	004	8/30/2017	Extractable Organic Halides	< 200.0	ppm	U	Liquid	EPA 9023	1	20.00	200.0	9/8/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-05	005	8/30/2017	Extractable Organic Halides	< 200.0	ppm	U	Liquid	EPA 9023	1	20.00	200.0	9/8/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-06	006	8/30/2017	Extractable Organic Halides	< 200.0	ppm	U	Liquid	EPA 9023	1	20.00	200.0	9/8/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-07	007	8/30/2017	Extractable Organic Halides	1510	ppm		Liquid	EPA 9023	1	20.00	200.0	9/8/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-08	008	8/30/2017	Extractable Organic Halides	< 200.0	ppm	U	Liquid	EPA 9023	1	20.00	200.0	9/11/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-09	009	8/30/2017	Total Organic Halides	ND	mg/L	U	Liquid	EPA 9020	100	0.880	10.0	9/8/2017	TIR

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **17090267**
Date Reported: **9/11/2017**
Company: Eurofins Spectrum Analytical
Address: 11 Almgren Dr.
Agawam MA 01001
Received: 9/6/2017
Project#: SC38763

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	MDL	PQL	Run	Analyst
SC38763-10	010	8/29/2017	Extractable Organic Halides	ND	ppm	U	Solid	EPA 9023	1	11.7	50.0	9/11/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-11	011	8/30/2017	Extractable Organic Halides	31.00	ppm	J	Liquid	EPA 9023	1	20.00	200.0	9/11/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-12	012	8/30/2017	Extractable Organic Halides	25.00	ppm	J	Liquid	EPA 9023	1	20.00	200.0	9/11/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-13	013	8/30/2017	Extractable Organic Halides	27.00	ppm	J	Liquid	EPA 9023	1	20.00	200.0	9/11/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-14	014	8/30/2017	Extractable Organic Halides	33.00	ppm	J	Liquid	EPA 9023	1	20.00	200.0	9/11/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-15	015	8/30/2017	Extractable Organic Halides	180.0	ppm	J	Oil	EPA 9023	1	20.00	200.0	9/11/2017	TIR
Client ID#	**Lab ID#**	**Collected**	**Analyte**	**Result**	**Units**	**Qual**	**Matrix**	**Method**	**DF**	**MDL**	**PQL**	**Run**	**Analyst**
SC38763-16	016	8/30/2017	Total Organic Halides	ND	mg/L	U	Liquid	EPA 9020	100	0.880	10.0	9/8/2017	TIR

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **17090267**
11-Sep-17

Client: Eurofins Spectrum Analytical
Project: SC38763 **BatchID:** **R74424**

Sample ID **MB-R74424** SampType: **MBLK** TestCode: **EOX_S(9023)** Units: **ppm** Prep Date: RunNo: **74424**
Client ID: **PBS** Batch ID: **R74424** TestNo: **SW9023** Analysis Date: **9/8/2017** SeqNo: **1254356**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	ND	50.0									U

Sample ID **LCS-R74424** SampType: **LCS** TestCode: **EOX_S(9023)** Units: **ppm** Prep Date: RunNo: **74424**
Client ID: **LCSS** Batch ID: **R74424** TestNo: **SW9023** Analysis Date: **9/8/2017** SeqNo: **1254358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	48.0	50.0	50.00	0	96.0	81	114				J

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

Original

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **17090267**
11-Sep-17

Client: Eurofins Spectrum Analytical
Project: SC38763 **BatchID:** **R74428**

Sample ID **MB-R74428** SampType: **MBLK** TestCode: **TOX_NPW(90** Units: **mg/L** Prep Date: RunNo: **74428**
Client ID: **PBW** Batch ID: **R74428** TestNo: **SW9020** Analysis Date: **9/8/2017** SeqNo: **1254433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides	ND	0.100									U

Sample ID **LCS-R74428** SampType: **LCS** TestCode: **TOX_NPW(90** Units: **mg/L** Prep Date: RunNo: **74428**
Client ID: **LCSW** Batch ID: **R74428** TestNo: **SW9020** Analysis Date: **9/8/2017** SeqNo: **1254435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides	0.200	0.100	0.2000	0	100	90	110				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

Original

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **17090267**
11-Sep-17

Client: Eurofins Spectrum Analytical
Project: SC38763 **BatchID:** **R74469**

Sample ID **MB-R74469** SampType: **MBLK** TestCode: **EOX_S(9023)** Units: **ppm** Prep Date: RunNo: **74469**
Client ID: **PBS** Batch ID: **R74469** TestNo: **SW9023** Analysis Date: **9/11/2017** SeqNo: **1255292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	ND	50.0									U

Sample ID **LCS-R74469** SampType: **LCS** TestCode: **EOX_S(9023)** Units: **ppm** Prep Date: RunNo: **74469**
Client ID: **LCSS** Batch ID: **R74469** TestNo: **SW9023** Analysis Date: **9/11/2017** SeqNo: **1255294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	47.2	50.0	50.00	0	94.4	81	114				J

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

Original

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 4422
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **17090267**
Date: **9/11/2017**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*****	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B/MB+	The analyte was detected in the associated blank.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor
DF	Dilution Factor	**RF**	Response Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Summit Environmental Technologies, Inc.
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Website: http://www.settek.com

DATES REPORT

WO#: **17090267**

11-Sep-17

Client: Eurofins Spectrum Analytical

Project: SC38763

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
17090267-001A	SC38763-01	8/30/2017 1:00:00 PM	Liquid	Total Organic Halides (TOX) (9020)			9/8/2017 3:49:00 PM
17090267-002A	SC38763-02	8/30/2017 1:30:00 PM		Extractable Organic Halides (EOX) (9(			9/8/2017 12:11:00 PM
17090267-003A	SC38763-03	8/30/2017 3:30:00 PM		Total Organic Halides (TOX) (9020)			9/8/2017 4:13:00 PM
17090267-004A	SC38763-04	8/30/2017 2:45:00 PM		Extractable Organic Halides (EOX) (9(			9/8/2017 12:11:00 PM
17090267-005A	SC38763-05	8/30/2017 3:15:00 PM		Extractable Organic Halides (EOX) (9(			9/8/2017 12:11:00 PM
17090267-006A	SC38763-06	8/30/2017 3:50:00 PM		Extractable Organic Halides (EOX) (9(			9/8/2017 12:11:00 PM
17090267-007A	SC38763-07	8/30/2017 3:00:00 PM		Extractable Organic Halides (EOX) (9(			9/8/2017 12:11:00 PM
17090267-008A	SC38763-08	8/30/2017 10:15:00 AM		Extractable Organic Halides (EOX) (9(			9/11/2017 11:45:00 AM
17090267-009A	SC38763-09	8/30/2017 9:30:00 AM		Total Organic Halides (TOX) (9020)			9/8/2017 4:37:00 PM
17090267-010A	SC38763-10	8/29/2017 4:30:00 PM	Solid	Extractable Organic Halides (EOX) (9(			9/11/2017 11:45:00 AM
17090267-011A	SC38763-11	8/30/2017 12:45:00 PM	Liquid	Extractable Organic Halides (EOX) (9(			9/11/2017 11:45:00 AM
17090267-012A	SC38763-12	8/30/2017 10:00:00 AM		Extractable Organic Halides (EOX) (9(			9/11/2017 11:45:00 AM
17090267-013A	SC38763-13	8/30/2017 11:00:00 AM		Extractable Organic Halides (EOX) (9(			9/11/2017 11:45:00 AM
17090267-014A	SC38763-14	8/30/2017 2:20:00 PM		Extractable Organic Halides (EOX) (9(			9/11/2017 11:45:00 AM
17090267-015A	SC38763-15	8/30/2017 11:30:00 AM	Oil	Extractable Organic Halides (EOX) (9(			9/11/2017 11:45:00 AM
17090267-016A	SC38763-16	8/30/2017 11:40:00 AM	Liquid	Total Organic Halides (TOX) (9020)			9/8/2017 5:01:00 PM

Original

eurofins | Spectrum Analytical

SUBCONTRACT ORDER

SC38763

SENDING LABORATORY:

Eurofins Spectrum Analytical, Inc.
11 Almgren Drive
Agawam, MA 01001
Phone: (413) 789-9018
Fax: (413) 789-4076
Project Manager: Dulce Litchfield

RECEIVING LABORATORY:

Summit Environmental
3310 Win Street
Cuyahoga Falls, OH 44223
Phone: (800) 278-0140
Fax: -

BILL TO:

Eurofins Spectrum Analytical, Inc.
2425 New Holland Pike
Lancaster, PA 17601
Attention: Accounts Payable
accountspayable@eurofinsus.com
PO Number: SC38763

Project: Deferiet Paper Mill, NY

Project #: 14800.0039
PO Number: SC38763

17090267-001 OLGCL

Laboratory ID	Sample ID	Sampled	Matrix	Analysis	Due	Comments
	SC38763-01	30-Aug-17 13:00	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-02	30-Aug-17 13:30	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-03	30-Aug-17 15:30	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-04	30-Aug-17 14:45	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-05	30-Aug-17 15:15	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						

Released By	Date	Received By	Date	Temp °C
		[signature]	9-6-17	10/0

Released By	Date	Received By	Date

eurofins Spectrum Analytical

SUBCONTRACT ORDER

SC38763

Laboratory ID	Sample ID	Sampled	Matrix	Analysis	Due	Comments
	SC38763-06	30-Aug-17 15:50	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-07	30-Aug-17 15:00	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-08	30-Aug-17 10:15	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-09	30-Aug-17 09:30	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-10	29-Aug-17 16:30	Solid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 8 oz Amber Glass (A) 8 oz Amber Glass (B) 8 oz Amber Glass (E)						
	SC38763-11	30-Aug-17 12:45	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-12	30-Aug-17 10:00	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						

Released By	Date	Received By	Date	Temp °C
			9-6-17	1010

Released By	Date	Received By	Date

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SUBCONTRACT ORDER

SC38763

Laboratory ID	Sample ID	Sampled	Matrix	Analysis	Due	Comments
	SC38763-13	30-Aug-17 11:00	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-14	30-Aug-17 14:20	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-15	30-Aug-17 11:30	Oil	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						
	SC38763-16	30-Aug-17 11:40	Liquid	TOX (Subout)	**11-Sep-17 15:00**	USE CAUTION: All samples should be considered hazardous
Containers Supplied: 1L Amber - H2SO4 (D)						

Please send notice within 24 hours of obtaining valid data, of the results of all drinking water samples that exceed any EPA or Department-established maximum contaminant level, maximum residual disinfectant level or reportable concentration. Notice should be emailed to SpectrumLabResults@EurofinsUS.com.

Please notify SpectrumLabResults@EurofinsUS.com immediately and prior to conducting analysis if certification is not held for the analyses requested.

Please e-mail results in electronic format to SpectrumLabResults@EurofinsUS.com.

Released By	Date	Received By	Date	Temp °C
			9-6-17	10.6

Released By	Date	Received By	Date

SOP: Sample Receipt
Revision: 13
Effective Date: 07/17/17

Figure 1 – Summit Environmental Technologies, Inc.
Cooler Receipt Form, Page 1

Client: eurofins

Initials of person inspecting cooler and samples: ANB

Order Number: _____

Date Received: 9-6-17 Time Received: 1040

Date cooler(s) opened and samples inspected: 9-7-17

Number of Coolers/Boxes: 1

N/A

Shipper: (Fed Ex) UPS DHL Airborne US Postal Walk-in Pickup Other: _____

Packaging: Peanuts (Bubble Wrap) Paper Foam None Other: _____

Tape on cooler/box:	(Y)	N	N/A
Custody Seals intact	(Y)	N	N/A
C-O-C in plastic	(Y)	N	N/A
Ice ✓ Blue ice _____	(present) absent	melted	N/A

Cooler Temperature IR Gun #16020459 CF 0°C Temp: 2.5 °C N/A

Radiological Testing Instrument serial #35127 Y N (N/A) (see page 2 for scan results)
Use 1 sheet per sample. If sample is > 100 cpm, the Radiological Safety Officer must be notified immediately.

C-O-C filled out properly	(Y)	N	N/A
Samples in separate bags	(Y)	N	N/A
Sample containers intact*	(Y)	N	N/A

*If no, list broken sample(s): Missing cooler received 9-7-17

Sample label(s) complete (ID, date, etc.)	(Y)	N	N/A
Label(s) agree with C-O-C	(Y)	N	N/A
Correct containers used	(Y)	N	N/A
Sufficient sample received	(Y)	N	N/A
Sufficient sample for QC	Y	(N)	N/A
Samples received within holding time	(Y)	N	N/A
Do any 40 mL vials contain bubbles**	Y	N	(N/A)

**Samples with bubbles ≤6mm are acceptable. Indicate bubble size if >6mm: _____

Was client contacted about samples	Y	N
Will client send new samples	Y	N

Client contact: _____

Date/Time: _____

Logged in by: _____

Comments: _____

SOP: Sample Receipt
Revision: 13
Effective Date: 07/17/17

Figure 1 – Summit Environmental Technologies, Inc.
Cooler Receipt Form, Page 1

Client: eurofins

Initials of person inspecting cooler and samples: CSL

Order Number: 17090267

Date Received: 9-6 Time Received: 1010 Date cooler(s) opened and samples inspected: 9-6

Number of Coolers/Boxes: 2

N/A

Shipper: FedEx UPS DHL Airborne US Postal Walk-in Pickup Other:

Packaging: Peanuts Bubble Wrap Paper Foam None Other:

Tape on cooler/box: Y N N/A

Custody Seals intact Y N N/A

C-O-C in plastic Y N N/A

Ice ✓ Blue ice _____ Present absent melted N/A

Cooler Temperature IR Gun #16020459 CF 0.0 °C Temp: 2.5 °C 3.5 N/A

Radiological Testing Instrument serial #35127 Y N N/A (see page 2 for scan results)
Use 1 sheet per sample. If sample is > 100 cpm, the Radiological Safety Officer must be notified immediately.

C-O-C filled out properly Y N N/A

Samples in separate bags Y N N/A

Sample containers intact* Y N N/A

*If no, list broken sample(s): Missing cooler, received Missing Cooler on 9-7-17 940 temp 3.5 ok to proceed with RrSH

Sample label(s) complete (ID, date, etc.) Y N N/A

Label(s) agree with C-O-C Y N N/A

Correct containers used Y N N/A

Sufficient sample received Y N N/A

Sufficient sample for QC Y N N/A

Samples received within holding time Y N N/A

Do any 40 mL vials contain bubbles** Y N N/A
**Samples with bubbles ≤6mm are acceptable. Indicate bubble size if >6mm: _____

Was client contacted about samples Y N

Will client send new samples Y N

Client contact: Nicole

Date/Time: 9-6-17

Logged in by: CLS

Comments: Missing Cooler received OK to log

NEW YORK STATE OF OPPORTUNITY. | Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

LAB ID: 11777

April 01, 2017

MS. CECILIA MARKOVICH
SUMMIT ENVIRONMENTAL TECHNOLOGIES INC
3310 WIN STREET
ASCOT INDUSTRIAL PARK
CUYAHOGA FALLS, OH 44223

Certificate Expiration Date:
April 01, 2018

Dear Ms. Markovich,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact ELAP at the New York State Department of Health (NYS DOH), Wadsworth Center, PO Box 509, Albany NY, 12201-0509; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Victoria Pretti

Victoria Pretti
Director and QA Officer
Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. CECILIA MARKOVICH
SUMMIT ENVIRONMENTAL TECHNOLOGIES INC
3310 WIN STREET ASCOT INDUSTRIAL PARK
CUYAHOGA FALLS, OH 44223

NY Lab Id No: 11777

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All approved analytes are listed below:

Disinfection By-products

Bromate	EPA 300.1 Rev. 1.0
Bromide	EPA 300.1 Rev. 1.0
	EPA 300.0 Rev. 2.1
Chlorate	EPA 300.1 Rev. 1.0
Chlorite	EPA 300.1 Rev. 1.0

Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0

Metals III

Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Uranium (Mass)	EPA 200.8 Rev. 5.4

Miscellaneous

2,3,7,8-Tetrachlorodibenzo-p-dioxin	EPA 1613B
Odor	SM 18-22 2150B (-97)

Miscellaneous

Perchlorate	EPA 314.0
Surfactant (MBAS)	SM 18-22 5540C (-00)

Non-Metals

Alkalinity	SM 18-22 2320B (-97)
Chloride	EPA 300.0 Rev. 2.1
Silica, Dissolved	EPA 200.7 Rev. 4.4
Solids, Total Dissolved	SM 18-22 2540C (-97)
Specific Conductance	SM 18-22 2510B (-97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1

Radiological Analytes

Gross Alpha	EPA 900.0
Gross Beta	EPA 900.0
Radium-226	EPA 903.0
Radium-228	EPA 904.0
Uranium (Activity)	EPA 908.0

Serial No.: 56194

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. CECILIA MARKOVICH
SUMMIT ENVIRONMENTAL TECHNOLOGIES INC
3310 WIN STREET ASCOT INDUSTRIAL PARK
CUYAHOGA FALLS, OH 44223

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All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260C
	EPA 624
Acrylonitrile	EPA 8260C
	EPA 624
Ethyl methacrylate	EPA 8260C
Methyl methacrylate	EPA 8260C
Amines	
Pyridine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D
Benzidine	EPA 625
	EPA 8270D
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D
2-Chloronaphthalene	EPA 625
	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
Chlorinated Hydrocarbons	
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
Demand	
Biochemical Oxygen Demand	SM 5210B-01,-11
Carbonaceous BOD	SM 5210B-01,-11
Dioxins and Furans	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	EPA 1613B
Dissolved Gases	
Ethane	RSK-175
Ethene (Ethylene)	RSK-175
Methane	RSK-175
Propane	RSK-175

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Fuel Oxygenates

Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 625
	EPA 8270D
4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D

Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Chromium, Total	EPA 200.7 Rev. 4.4

Metals I

Chromium, Total	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Strontium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4

Metals II

Arsenic, Total	EPA 200.7 Rev. 4.4

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Metals II

Arsenic, Total	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Mercury, Low Level	EPA 1631E
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4

Metals III

Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Uranium (Mass)	EPA 6020A
	EPA 200.8 Rev. 5.4

Mineral

Acidity	SM 2310B-97,-11
Alkalinity	SM 2320B-97,-11
Chloride	EPA 300.0 Rev. 2.1

Mineral

Chloride	EPA 9056A

Miscellaneous

Bromide	EPA 300.0 Rev. 2.1
	EPA 9056A
Color	SM 2120B-01,-11
Organic Carbon, Total	SM 5310B-00,-11
Perchlorate	EPA 314.0
Phenols	EPA 420.1 Rev. 1978
	EPA 9065
Silica, Dissolved	EPA 200.7 Rev. 4.4
Surfactant (MBAS)	SM 5540C-00,-11
Total Organic Halides	EPA 9020B
Total Petroleum Hydrocarbons	EPA 1664A

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 625
2,6-Dinitrotoluene	EPA 625
Isophorone	EPA 625
	EPA 8270D
Nitrobenzene	EPA 625

Nitrosoamines

N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D

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Nitrosoamines

N-Nitrosodiphenylamine	EPA 625
	EPA 8270D

Nutrient

Ammonia (as N)	SM 4500-NH3 D or E-97,-11
Kjeldahl Nitrogen, Total	EPA 351.2 Rev. 2.0
Nitrate (as N)	EPA 9056A
Nitrite (as N)	EPA 300.0 Rev. 2.1
	EPA 9056A
Phosphorus, Total	EPA 200.7 Rev. 4.4
	SM 4500-P E-99,-11

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D

Phthalate Esters

Benzyl butyl phthalate	EPA 625
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625

Phthalate Esters

Di-n-octyl phthalate	EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 8082A
	EPA 608
PCB-1221	EPA 8082A
	EPA 608
PCB-1232	EPA 8082A
	EPA 608
PCB-1242	EPA 8082A
	EPA 608
PCB-1248	EPA 8082A
	EPA 608
PCB-1254	EPA 8082A
	EPA 608
PCB-1260	EPA 8082A
	EPA 608

Polynuclear Aromatics

Acenaphthene	EPA 625
	EPA 8270D
Acenaphthylene	EPA 625
	EPA 8270D
Anthracene	EPA 625
	EPA 8270D
Benzo(a)anthracene	EPA 625
	EPA 8270D

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Polynuclear Aromatics	
Benzo(a)pyrene	EPA 625
	EPA 8270D
Benzo(b)fluoranthene	EPA 625
	EPA 8270D
Benzo(ghi)perylene	EPA 625
	EPA 8270D
Benzo(k)fluoranthene	EPA 625
	EPA 8270D
Chrysene	EPA 625
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 625
	EPA 8270D
Fluoranthene	EPA 625
	EPA 8270D
Fluorene	EPA 625
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625
	EPA 8270D
Naphthalene	EPA 625
	EPA 8270D
Phenanthrene	EPA 625
	EPA 8270D
Pyrene	EPA 625
	EPA 8270D

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 1653
	EPA 625
	EPA 8270D
Phenol	EPA 625
	EPA 8270D

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Radiological Analytes	
Gross Alpha	SM 7110C-00,-11
Photon Emitters	EPA 901.1
Semi-Volatile Organics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
	EPA 624
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624
1,4-Dichlorobenzene	EPA 8260C
	EPA 624
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
	EPA 624
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
	EPA 624
Ethyl benzene	EPA 8260C
	EPA 624

Volatile Aromatics	
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
	EPA 624
Total Xylenes	EPA 8260C
	EPA 624
Volatile Chlorinated Organics	
Benzyl chloride	EPA 8260C
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
	EPA 624
1,1,2,2-Tetrachloroethane	EPA 8260C
	EPA 624
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethane	EPA 8260C
	EPA 624

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Volatile Halocarbons		Volatile Halocarbons	
1,1-Dichloroethene	EPA 8260C	Chloromethane	EPA 8260C
	EPA 624		EPA 624
1,1-Dichloropropene	EPA 8260C	cis-1,2-Dichloroethene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C	cis-1,3-Dichloropropene	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C		EPA 624
1,2-Dibromoethane	EPA 8260C	Dibromochloromethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C		EPA 624
	EPA 624	Dibromomethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C	Dichlorodifluoromethane	EPA 8260C
	EPA 624	Hexachlorobutadiene, Volatile	EPA 8260C
1,3-Dichloropropane	EPA 8260C	Methyl iodide	EPA 8260C
2,2-Dichloropropane	EPA 8260C	Methylene chloride	EPA 8260C
2-Chloroethylvinyl ether	EPA 624		EPA 624
Bromochloromethane	EPA 8260C	Tetrachloroethene	EPA 8260C
Bromodichloromethane	EPA 8260C		EPA 624
	EPA 624	trans-1,2-Dichloroethene	EPA 8260C
Bromoform	EPA 8260C		EPA 624
	EPA 624	trans-1,3-Dichloropropene	EPA 8260C
Bromomethane	EPA 8260C	Trichloroethene	EPA 8260C
	EPA 624		EPA 624
Carbon tetrachloride	EPA 8260C	Trichlorofluoromethane	EPA 8260C
	EPA 624		EPA 624
Chloroethane	EPA 8260C	Vinyl chloride	EPA 8260C
	EPA 624		EPA 624
Chloroform	EPA 8260C		
	EPA 624		

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Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
2-Nitropropane	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Ethylene Glycol	EPA 8015D
Methyl acetate	EPA 8260C
n-Butanol	EPA 8260C
Vinyl acetate	EPA 8260C

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All approved analytes are listed below:

Acrylates	
Ethyl methacrylate	EPA 8260C
Methyl methacrylate	EPA 8260C
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Characteristic Testing	
Free Liquids	EPA 9095B
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Dioxins and Furans	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	EPA 8290A
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-diox	EPA 8290A
1,2,3,4,6,7,8-Heptachlorodibenzofuran	EPA 8290A
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxi	EPA 8290A
1,2,3,4,7,8,9-Heptachlorodibenzofuran	EPA 8290A
1,2,3,4,7,8-Hexachlorodibenzofuran	EPA 8290A
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	EPA 8290A
1,2,3,6,7,8-Hexachlorodibenzofuran	EPA 8290A
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	EPA 8290A
1,2,3,7,8,9-Hexachlorodibenzofuran	EPA 8290A

Serial No.: 56196

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. CECILIA MARKOVICH
SUMMIT ENVIRONMENTAL TECHNOLOGIES INC
3310 WIN STREET ASCOT INDUSTRIAL PARK
CUYAHOGA FALLS, OH 44223

NY Lab Id No: 11777

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Dioxins and Furans

1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	EPA 8290A
1,2,3,7,8-Pentachlorodibenzofuran	EPA 8290A
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	EPA 8290A
2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 8290A
2,3,4,7,8-Pentachlorodibenzofuran	EPA 8290A
2,3,7,8-Tetrachlorodibenzofuran	EPA 8290A
2,3,7,8-Tetrachlorodibenzo-p-dioxin	EPA 8290A

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 8270D
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D

Metals I

Barium, Total	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 6010C
	EPA 6020A
Chromium, Total	EPA 6010C
	EPA 6020A
Copper, Total	EPA 6010C
	EPA 6020A
Lead, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C

Metals I

Nickel, Total	EPA 6020A
Silver, Total	EPA 6010C
	EPA 6020A

Metals II

Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
	EPA 6020A

Miscellaneous

Boron, Total	EPA 6010C
Extractable Organic Halides	EPA 9023

Nitroaromatics and Isophorone

Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D

Serial No.: 56196

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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MS. CECILIA MARKOVICH
SUMMIT ENVIRONMENTAL TECHNOLOGIES INC
3310 WIN STREET ASCOT INDUSTRIAL PARK
CUYAHOGA FALLS, OH 44223

NY Lab Id No: 11777

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All approved analytes are listed below:

Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Polynuclear Aromatic Hydrocarbons	
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D

Serial No.: 56196

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. CECILIA MARKOVICH
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3310 WIN STREET ASCOT INDUSTRIAL PARK
CUYAHOGA FALLS, OH 44223

NY Lab Id No: 11777

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Priority Pollutant Phenols	
Phenol	EPA 8270D
Semi-Volatile Organics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
Volatile Aromatics	
Benzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C
Volatile Halocarbons	
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,2-Dichloroethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroform	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methyl iodide	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Volatile Halocarbons	
Vinyl chloride	EPA 8260C
Volatile Organics	
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
2-Nitropropane	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isopropanol	EPA 8260C
Methyl acetate	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
n-Butanol	EPA 8260C
Vinyl acetate	EPA 8260C

Serial No.: 56196

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

SC38763 Jm

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CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 5 day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Guardian Environmental Svs.
70 Albe Drive
Newark, DE 19702

Telephone #: 302.518.1910
Project Mgr: Kevin Shaver

Invoice To: Guardian Envienmental Services.
70 Albe Drive
Newark, DE 19702
Email: ap@gesoncall.com
P.O No.: 84147 Quote #:

Project No: 14800.0039
Site Name: Deferiet Paper Mill
Location: Deferiet, NY State: NY
Sampler(s): Janelle Kite

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= Solid X2= Liquid X3=

G= Grab C=Compsite

MA DEP MCP CAM Report? ☐ Yes ☒ No
CT DPH RCP Report? ☐ Yes ☒ No
☒ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOC TCL SVOC	TAL Metals	Reactivity, Ignitability, Corrosivity, PCB	TPH, TOX	% Water, Solids	TPH Pesticides	Total/Amenable Cyanide	Full TCLP	Check if chlorinated
SC38763-01	CHLORIDE	8/30/17	1300	C	X2	3	6		6	X	X	X	X	X	X	X		☐
02	Flammable	8/30/17	1330	C	X2	3	6		3	X	X	X	X	X	X	X		☐
03	Combustible 1	8/30/17	1530	C	X2	3	6		3	X	X	X	X	X	X	X		☐
04	Combustible 2	8/30/17	1445	G	X2	3	6		3	X	X	X	X	X	X	X		☐
05	Combustible 3	8/30/17	1515	C	X2	3	6		3	X	X	X	X	X	X	X		☐
06	Cyanide	8/30/17	1550	C	X2	3	6		5	X	X	X	X	X	X	X	X	☐
07	Acidic	8/30/17	1500	C	X2	3	6		8	X	X	X	X	X	X	X	X	☐
08	Basic Chloride	8/30/17	1015	C	X2	3	6		5	X	X	X	X	X	X	X	X	☐
09	Oxidizer	8/30/17	0930	G	X2	3	6		3	X	X	X	X	X	X	X		☐
10	Inorganic Solid	8/29/17	1630	C	X1			6				X	X	X			X	X	☐

Relinquished by:	Received by:	Date:	Time:
Janelle M. Kite	FedEx	8/31/17	0930
fedex	Jm	9/1/17	1140

Temp °C: Observed 17.3; Correction Factor 0; Corrected 17.3; IR ID # CR

☐ EDD format:
☒ E-mail to: jkite@gesoncall.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☒ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC38763. By

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CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 5 day.

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Guardian Environmental Svcs.
70 Albe Drive
Newark, DE 19702

Telephone #: 302-518-1910
Project Mgr: Kevin Shaver

Invoice To: Guardian Environmental Svcs.
70 Albe Drive
Newark, DE 19702
email: ap@gesoncall.com
P.O No.: 84147 Quote #:

Project No: 14800.0039
Site Name: Defeniet Paper Mill
Location: Defeniet, NY State: NY
Sampler(s): Janelle Kite

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= Solid X2= Liquid X3=

G= Grab C=Compsite

MA DEP MCP CAM Report? ☐ Yes ☒ No
CT DPH RCP Report? ☐ Yes ☒ No
☒ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Hex. Chrome	Sulfates, Nitrates	Fluorides, Total Phosphorus	Chloride	Paint Filter % Moisture				Check if chlorinated
SC38763-10	Inorganic Solid	8/29/17	1630	X1	C									X				☐
↓ 07	Acidic	8/30/17	1500	X2	C					X	X	X	X					☐
SC38763-01	Chloride	8/30/17	1300	X2	C								X					☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐

Relinquished by:	Received by:	Date:	Time:
Janelle M Kite	FedEx	8/31/17	0930
fedex	Jy	9/6/17	1110

Temp °C: Observed 17.3; Correction Factor 0; Corrected 17.3; IR ID # 1

☐ EDD format:
☒ E-mail to: j.kite@gesoncall.com

Condition upon receipt: Custody Seals: ☐ Present ☒ Intact ☐ Broken
☒ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC 38763. Dm

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CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 5 Day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Guardian Enviromental Svcs.
70 Albe Drive
Newark, DE 19702

Telephone #: 302-518-1910
Project Mgr: Kevin Shaver

Invoice To: Guardian Environmental Svcs.
70 Albe Drive
Newark, DE 19702
Email: ap@gesoncall.com

P.O No.: 84147 Quote #:

Project No: 14800.0039
Site Name: Deferiet Paper Mill
Location: Deferiet, NY State: NY
Sampler(s): Janelle Kite

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List Preservative Code below:

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= Solid X2= Liquid X3=

G= Grab C=Compsite

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOC TCL SVOC	TAL Metals	Reactivity Ignitability	Corrosivity PCB	TPH, TOX	TC Water TAL Metals	TCL Herbicides TCL Pesticides	Total/Amenable Cyanide		Check if chlorinated
SC38763-11	Inorganic 1	8/30/17	1245	C	X2	3	6		3	X	X	X	X	X	X	X			☐
12	Inorganic 2	8/30/17	1000	C	X2	3	6		3	X	X	X	X	X	X	X			☐
13	Corrosive Basic	8/30/17	1100	C	X2	3	6		5	X	X	X	X	X	X	X	X		☐
14	Organic	8/30/17	1420	C	X2	3	6		3	X	X	X	X	X	X	X			☐
15	Waste Oil	8/30/17	1130	C	0	3	6		3	X	X	X	X	X	X	X			☐
16	Pump Decon	8/30/17	1140	C	X2	3	6		3	X	X	X	X	X	X	X			☐
																			☐
																			☐
																			☐
																			☐

Relinquished by:	Received by:	Date:	Time:
Janelle M. Kite	FedEx	8/31/17	0930
fedex	Jm	9/1/17	1140

Temp °C: Observed 17.3; Correction Factor 0; Corrected 17.3; IR ID # 01

☐ EDD format:
☒ E-mail to: jkite@gesoncall.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☒ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 40.30 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

1 of 15

TRK# 0201 **7875 7268 9380**

MASTER

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

549J1/FF19/104C

J172017062901a

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 16.60 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

14 of 15

MPS# 0263 **7875 7268 9510**

Mstr# 7875 7268 9380 0201

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

RT 745 5 E
10:30
ST 16 9510
09.01

549J1/FF19/104C

J172017062901a

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 38.10 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

549J1/FF19/104C

J172017062901uv

2 of 15

MPS# 0263 7875 7268 9391

Mstr# 7875 7268 9380 0201

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 41.20 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

549J1/FF19/104C

J172017062901uv

4 of 15

MPS# 0263 7875 7268 9417

Mstr# 7875 7268 9380 0201

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 41.70 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

J172017062901uv

54911/FF19/104C

9 of 15

MPS# 0263 7875 7268 9461

Mstr# 7875 7268 9380 0201

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 34.70 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

J172017062901uv

54911/FF19/104C

5 of 15

MPS# 0263 7875 7268 9428

Mstr# 7875 7268 9380 0201

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 12.10 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

J172017062901uv

549J1/FF19/104C

12 of 15

MPS# 0263 7875 7268 9494

Mstr# 7875 7268 9380 0201

NL EHTA

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

01001
MA-US BDL

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 41.20 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

FedEx Express

J172017062901uv

549J1/FF19/104C

RT 745 5 10:30 E 9439 09.01
ST 16

6 of 15

MPS# 0263 7875 7268 9439

Mstr# 7875 7268 9380 0201

NL EHTA

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

01001
MA-US BDL

Do Not Lift Using This Tag

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 36.50 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
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FedEx Express

J172017062901uv

3 of 15

MPS# 0263 7875 7268 9406

Mstr# 7875 7268 9380 0201

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

ORIGIN ID:ARTA (302) 518-1917
JANELLE KITE

70 ALBE DR

NEWARK, DE 19702
UNITED STATES US

SHIP DATE: 31AUG17
ACTWGT: 12.70 LB
CAD: 006993708/SSFE1802
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO **SAMPLE RECEIVING EUROFINS**

11 ALMGREN DR

AGAWAM MA 01001

(413) 789-9081 REF:
INV:
PO: DEPT:

549J1/FF19/104C

FedEx Express

J172017062901uv

13 of 15

MPS# 0263 7875 7268 9509

Mstr# 7875 7268 9380 0201

FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT

NL EHTA

01001
MA-US BDL

Batch Summary

'[none]'

Subcontracted Analyses

SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-10 (Inorganic Solid)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715033

Toxicity Characteristics

1715033-SRM1
1715033-SRM2
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-10 (Inorganic Solid)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715092

Toxicity Characteristics

1715092-DUP1
SC38763-10 (Inorganic Solid)

1715119

Semivolatile Organic Compounds by GC

1715119-BLK1
1715119-BS1
1715119-BSD1
SC38763-15 (Waste Oil)

1715158

General Chemistry Parameters

1715158-BLK1
1715158-BS1
1715158-DUP1
1715158-MS1
1715158-MSD1
1715158-SRM1
SC38763-01 (Chloride)
SC38763-07 (Acidic)

1715176

Toxicity Characteristics

1715176-BLK1
1715176-SRM1
1715176-SRM2
SC38763-10 (Inorganic Solid)

1715205

General Chemistry Parameters

1715205-BLK1
1715205-BS1
1715205-DUP1
1715205-DUP2
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715207

Volatile Organic Compounds

1715207-BLK1
1715207-BS1
1715207-BSD1
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715214

General Chemistry Parameters

1715214-DUP1
SC38763-10 (Inorganic Solid)

1715331

Semivolatile Organic Compounds by GC

1715331-BLK1
1715331-BS1
1715331-BSD1
SC38763-10 (Inorganic Solid)

1715332

Semivolatile Organic Compounds by GC

1715332-BLK1
1715332-BS1
1715332-BSD1
1715332-DUP1
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-16 (Pump Decon)

1715333

Pesticides

1715333-BLK1
1715333-BS1
1715333-BSD1
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715334

Semivolatile Organic Compounds by GCMS

1715334-BLK1
1715334-BS1
1715334-BSD1
1715334-DUP1
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715369

Total Metals by EPA 6000/7000 Series Methods

1715369-BLK1
1715369-DUP1
1715369-MS1
1715369-MSD1
1715369-PS1
1715369-SRM1
1715369-SRM2
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715370

General Chemistry Parameters

SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-13 (Corrosive Basic)

1715371

Total Metals by EPA 6000/7000 Series Methods

1715371-BLK1
1715371-DUP1
1715371-MS1
1715371-MSD1
1715371-SRM1
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715372

General Chemistry Parameters

1715372-BLK1
1715372-BLK2
1715372-BS1
1715372-BS2
1715372-BS3
1715372-BS4
1715372-DUP1
1715372-MS1
1715372-MSD1
1715372-SRM1
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-13 (Corrosive Basic)

1715374

General Chemistry Parameters

SC38763-10 (Inorganic Solid)

1715376

General Chemistry Parameters

1715376-BLK1
1715376-BS1
1715376-DUP1
1715376-MS1
1715376-MSD1
1715376-SRM1
SC38763-10 (Inorganic Solid)

1715415

Toxicity Characteristics

1715415-BLK1
1715415-DUP1
1715415-SRM1
1715415-SRM2
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715447

Extractable Petroleum Hydrocarbons

1715447-BLK1
1715447-BS1
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-16 (Pump Decon)

1715448

Extractable Petroleum Hydrocarbons

1715448-BS1
1715448-DUP1
SC38763-10 (Inorganic Solid)

1715478

Volatile Organic Compounds

1715478-BLK1
1715478-BS1
1715478-BSD1
SC38763-02RE1 (Flammable)
SC38763-02RE2 (Flammable)
SC38763-05RE1 (Combustible 3)
SC38763-05RE2 (Combustible 3)

1715495

Toxicity Characteristics

1715495-DUP1
1715495-DUP2
1715495-DUP3
1715495-SRM1
SC38763-01 (Chloride)
SC38763-02 (Flammable)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-08 (Basic Chloride)
SC38763-09 (Oxidizer)
SC38763-10 (Inorganic Solid)
SC38763-11 (Inorganic 1)
SC38763-12 (Inorganic 2)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)
SC38763-16 (Pump Decon)

1715503

Volatile Organic Compounds

1715503-BLK1
1715503-BS1
1715503-BSD1
SC38763-11 (Inorganic 1)
SC38763-12RE1 (Inorganic 2)
SC38763-13RE1 (Corrosive Basic)
SC38763-15RE1 (Waste Oil)

1715504

Extractable Petroleum Hydrocarbons

1715504-BLK1
1715504-BS1
1715504-BSD1
1715504-DUP1
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-08 (Basic Chloride)
SC38763-14 (Organic)
SC38763-15 (Waste Oil)

400283A

Subcontracted Analyses

BY95170-BLK
BY95170-DUP
BY95170-LCS
BY95170-MS
SC38763-07 (Acidic)

400328A

Subcontracted Analyses

BY95020-BLK
BY95020-DUP
BY95020-LCS
BY95020-MS
SC38763-10 (Inorganic Solid)

400332A

Subcontracted Analyses

BY95043-BLK
BY95043-LCS
BY95043-LCSD
SC38763-10 (Inorganic Solid)

400334A

Subcontracted Analyses

BY95019-BLK
BY95019-DUP
BY95019-LCS
BY95019-MS
SC38763-10 (Inorganic Solid)

400336A

Subcontracted Analyses

BY94925-BLK
BY94925-LCS
BY94925-LCSD
SC38763-01 (Chloride)
SC38763-03 (Combustible 1)
SC38763-04 (Combustible 2)
SC38763-05 (Combustible 3)
SC38763-06 (Cyanide)
SC38763-07 (Acidic)
SC38763-09 (Oxidizer)
SC38763-11 (Inorganic 1)
SC38763-13 (Corrosive Basic)
SC38763-14 (Organic)
SC38763-16 (Pump Decon)

400378A

Subcontracted Analyses

BY95071-BLK
BY95071-LCS
BY95071-LCSD
SC38763-15 (Waste Oil)

400439A

Subcontracted Analyses

BY94926-BLK
BY94926-LCS
BY94926-LCSD
SC38763-10 (Inorganic Solid)

400440A

Subcontracted Analyses

BY94926-BLK
BY94926-LCS
BY94926-LCSD
SC38763-10 (Inorganic Solid)

400509A

Subcontracted Analyses

BY93695-BLK
BY93695-DUP
BY93695-LCS
BY93695-MS
SC38763-07 (Acidic)

400657A

Subcontracted Analyses

BY96019-BLK
BY96019-LCS
BY96019-LCSD
BY96019-MS
BY96019-MSD
SC38763-10 (Inorganic Solid)

400665A

Subcontracted Analyses

BY96740-BLK
BY96740-LCS
BY96740-LCSD
SC38763-02 (Flammable)

S608497

Extractable Petroleum Hydrocarbons

S608497-CAL9
S608497-CALA
S608497-CALB
S608497-CALC
S608497-CALD
S608497-CALE
S608497-CALF
S608497-CALG
S608497-CALH
S608497-CALI
S608497-CALJ
S608497-CALK
S608497-CALL
S608497-CALM
S608497-ICV2
S608497-LCV2

S705626

Semivolatile Organic Compounds by GC

S705626-CAL1
S705626-CAL2
S705626-CAL3
S705626-CAL4
S705626-CAL5
S705626-CAL6
S705626-CAL7
S705626-CAL8
S705626-CAL9
S705626-CALA
S705626-CALB
S705626-CALC
S705626-CALD
S705626-CALE
S705626-CALF
S705626-CALG
S705626-CALH
S705626-CALI
S705626-CALJ
S705626-CALK
S705626-CALL
S705626-CALM
S705626-CALN
S705626-CALO
S705626-CALP
S705626-CALQ
S705626-CALR
S705626-CALS
S705626-CALT
S705626-CALU
S705626-ICV1
S705626-ICV2
S705626-ICV3
S705626-ICV4
S705626-ICV5
S705626-ICV6
S705626-LCV1
S705626-LCV2
S705626-LCV3
S705626-LCV4
S705626-LCV5
S705626-LCV6

S707318

Volatile Organic Compounds

S707318-CAL1
S707318-CAL2
S707318-CAL3
S707318-CAL4
S707318-CAL5
S707318-CAL6
S707318-CAL7
S707318-CAL8
S707318-CAL9
S707318-CALA
S707318-CALB
S707318-ICV1
S707318-LCV1
S707318-LCV2
S707318-TUN1

S707466

Semivolatile Organic Compounds by GC

S707466-CAL1
S707466-CAL2
S707466-CAL3
S707466-CAL4
S707466-CAL5
S707466-CAL6
S707466-CAL7
S707466-CAL8
S707466-CAL9
S707466-CALA
S707466-CALB
S707466-CALC
S707466-CALD
S707466-CALE
S707466-CALF
S707466-CALG
S707466-CALH
S707466-CALI
S707466-CALJ
S707466-CALK
S707466-CALL
S707466-CALM
S707466-CALN
S707466-CALO
S707466-CALP
S707466-CALQ
S707466-CALR
S707466-CALS
S707466-CALT
S707466-CALU
S707466-ICV1
S707466-ICV2
S707466-ICV3
S707466-ICV4
S707466-ICV5
S707466-ICV6
S707466-LCV1
S707466-LCV2
S707466-LCV3
S707466-LCV4
S707466-LCV5
S707466-LCV6

S707710

Semivolatile Organic Compounds by GCMS

S707710-CAL1
S707710-CAL2
S707710-CAL3
S707710-CAL4
S707710-CAL5
S707710-CAL6
S707710-CAL7
S707710-CAL8
S707710-CAL9
S707710-CALA
S707710-ICV1
S707710-LCV1
S707710-LCV2
S707710-TUN1

S707880

Semivolatile Organic Compounds by GC

S707880-CCV1
S707880-CCV2
S707880-IBL1
S707880-IBL2

S707883

Pesticides

S707883-CAL1
S707883-CAL2
S707883-CAL3
S707883-CAL4
S707883-CAL5
S707883-CAL6
S707883-CAL7
S707883-CAL8
S707883-CAL9
S707883-CALA
S707883-CALB
S707883-CALC
S707883-CALD
S707883-CALE
S707883-CALF
S707883-ICV1
S707883-ICV2
S707883-ICV3
S707883-LCV1
S707883-LCV2
S707883-LCV3

S707968

Volatile Organic Compounds

S707968-CCV1
S707968-TUN1

S707995

General Chemistry Parameters

S707995-CAL1
S707995-CAL2
S707995-CAL3
S707995-CAL4
S707995-CAL5
S707995-CAL6
S707995-CAL7
S707995-ICB1
S707995-ICV1

S707996

General Chemistry Parameters

S707996-CCB1
S707996-CCB2
S707996-CCB3
S707996-CCV1
S707996-CCV2
S707996-CCV3
S707996-CRL1
S707996-CRL2
S707996-CRL3
S707996-HCV1
S707996-LCV1

S707997

General Chemistry Parameters

S707997-CCB1
S707997-CCB2
S707997-CCB3
S707997-CCB4
S707997-CCV1
S707997-CCV2
S707997-CCV3
S707997-CCV4
S707997-CRL1
S707997-CRL2
S707997-CRL3
S707997-CRL4
S707997-HCV1
S707997-LCV1

S708021

Semivolatile Organic Compounds by GC

S708021-CCV1
S708021-CCV2
S708021-CCV3
S708021-IBL1
S708021-IBL2
S708021-IBL3

S708030

Semivolatile Organic Compounds by GC

S708030-CCV1
S708030-CCV2
S708030-CCV3
S708030-CCV4
S708030-IBL1
S708030-IBL2
S708030-IBL3

S708032

Volatile Organic Compounds

S708032-CCV1
S708032-TUN1

S708048

Volatile Organic Compounds

S708048-CCV1
S708048-TUN1

S708072

Extractable Petroleum Hydrocarbons

S708072-CCV1
S708072-CCV2

S708083

Pesticides

S708083-CCV1
S708083-CCV2
S708083-CCV3
S708083-CCV4
S708083-CCV5
S708083-CCV6
S708083-IBL1
S708083-IBL2
S708083-PEM1
S708083-PEM2

S708138

Semivolatile Organic Compounds by GCMS

S708138-CCV1
S708138-TUN1