Memorandum

Date: 24 July 2020

From: DiNisco Design, Inc.

Reference: **Amesbury Elementary School**

Subject: Summary of Cashman Elementary School Site Soil Characteristics

Approximately 7,500 CY of topsoil and 8,000 CY of subsoils (fill) are anticipated to be removed offsite from the Cashman Elementary School site for the construction of the new Amesbury Elementary School. It has been determined that the City does not have capacity to reuse these soils elsewhere within City limits.

Soils that are to be removed beyond the City limits are required to be tested for potential oil and/or hazardous material per US Environmental Protection Agency (EPA) and Massachusetts Department of Environmental Protection (MassDEP) regulations and guidelines. Any soils with concentrations above reportable concentrations will require special handling and additional disposal costs. These costs will be incorporated into the total construction cost of the project. As such, soils are typically tested prior to finalizing construction bid documents to ensure cost of disposal is captured in the total projected construction budget.

Soil samples were collected on July 9, 2020 and analyzed. The samples have been characterized as containing reportable concentrations of arsenic. Arsenic is naturally occurring in almost all soils, with known high concentrates in certain areas within the Commonwealth that are underlain by bedrock. The City of Amesbury is located within one of the documented areas.

The project LSP (Licensed Site Professional) is working with a risk assessor to complete an "Imminent Hazard Evaluation." The preliminary conceptual site model indicates that the source of the arsenic is a natural condition and is not viewed as a public health issue. According to the risk assessor (LaGoy Risk Analysis), there is no risk for children playing in the existing fields.

Next Steps:

1. MassDEP has been notified because 5 of the soil samples collected on July 9th were found to be above reportable levels that trigger a 2-hour notification.
2. Environmental & Construction Management Services, Inc. (ECMS) will complete an Imminent Hazard Evaluation for submission to the City and MassDEP week of July 26, 2020.
3. ECMS will collect additional soils samples to be analyzed for arsenic at other locations, taken at deeper depth, to confirm background during the week of July 26, 2020.
4. ECMS will perform necessary research on the history of the soils (fill) on the property to present a Conceptual Site Model that will use lines of evidence to prove that the presence of the arsenic in the soils is from "natural geologic sources" and considered to be "background". This will allow for a Retraction of Release notification of this property with MassDEP. This will be completed before the end of August.
5. Construction specifications will include specific requirements for monitoring during construction for the presence of arsenic in dust, handling and disposal of these soils.

DONNA DINISCO | RICHARD RICE | VIVIAN LOW | JAMES SHUTTLEWORTH
99 CHAUNCY STREET SUITE 901 BOSTON MA 02111 | 617.426.2858 | DINISCO.COM

Environmental & Construction Management Services, Inc.

288 Grove Street #391 Phone: (617) 338-2121
Braintree, Massachusetts 02184 www.ecmsinc.com

July 24, 2020

Ms. Vivian Low
DiNisco Design
99 Chauncy Street, Suite 901
Boston, Massachusetts 02111

Re: Loam/Topsoil and Subsoil Sampling, Laboratory Analysis and LSP Opinion Letter
Charles C. Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts 01913
***ECMS* Project No. 1009.073**

Dear Ms. Low:

Pursuant to your request, *Environmental & Construction Management Services, Inc. (ECMS)* has completed the collection of loam/topsoil and subsoils samples from representative areas proximate to the Cashman School and from the field adjacent to the school for laboratory analysis for potential oil and/or hazardous material (OHM) prior to proposed site construction activities. Refer to Figure 1, Site Locus/Location Plan for the general location of the Site.

On July 9, 2020, *ECMS* personnel collected fifteen (15) surficial loam/topsoil and two (2) subsoil samples. The samples were collected from areas identified by *DiNisco Design (DiNisco)* in Proposed Topsoil Removal Limit Plan (Markup) dated July 6, 2020. Refer to Figure 2, Soil Sample Location Plan for the location of the soil samples. Loam/topsoil samples were collected below the grass surface from 2 to 6 inches below surface grade and subsurface soil samples were collected approximately 2 feet below grade at refusal.

All soil samples were analyzed under chain of custody (COC) by Massachusetts approved laboratory *Eurofins Spectrum Analytical* of Agawam, Massachusetts for Comm97 Soil Laboratory Analysis plus additional analysis for Mass Reclamation Facilities which includes: Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260, Semi Volatile Organic Compounds (SVOCs) by EPA Method 8270, Polychlorinated Biphenyls (PCBs) by EPA Method 8082 and Total Petroleum Hydrocarbons (TPH) by Gas Chromatograph (GC), MassDEP 14 Metals, Herbicides and Pesticides by EPA Method 8151A and Method 8151B. Additionally, all soil samples were further characterized by the analysis of pH, flashpoint and reactivity (cyanide and sulfide).

In Massachusetts, the regulatory program that concerns releases of OHM to the environment is the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. This program is implemented by the Massachusetts Department of Environmental Protection (the "MassDEP") and includes specific

provisions regarding releases of oil and/or hazardous material (OHM) to the environment that must be reported to the MassDEP.

Soil Sampling Results

No concentrations of OHM in any of the fifteen (15) loam/topsoil and/or two (2) subsoil samples analyzed were detected above their applicable reportable concentration RCS-1 specified in Massachusetts Oil and Hazardous Materials List (MOHML) 310 CMR 40.1600 and 310 CMR 40.0300 **with the exception of arsenic. Concentrations of arsenic in all 17 soil samples submitted were detected above their RCS-1 of 20 milligrams per kilogram (mg/kg)**. The concentrations of arsenic ranged between 20.5 mg/kg and 82.3 mg/kg with an RCS-1 of 20 mg/kg. No concentrations of arsenic were detected above their applicable upper concentration limit (UCL) of 500 mg/kg. A copy of the laboratory results and their respective MCP RCS-1 reporting concentrations (RCs) are presented in Tables 1 through 4.

In addition, several SVOC compounds were above their applicable MCP RCS-1 310 CMR 40.0300 and 40.1600 criteria. The MDLs for these compounds are generally less than one order magnitude over their respective MDL and the past use of the site does not include the past use, storage of application of any OHM and therefore these compounds are not considered to be compounds of concern (COC).

Summary and Conclusions

In accordance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.0361: Reportable Concentrations of Oil and Hazardous Material in Soil:

> (1) For the purpose of determining whether a notification obligation exists under 310 CMR 40.0315, measured concentrations of any oil or hazardous material listed at 310 CMR 40.1600 shall be compared to the Reportable Concentration value in the reporting category that best characterizes the current use of the site under evaluation, as described below:
>
> > (a) Reporting Category RCS-1. Reporting category RCS-1 shall be applied to all soil samples obtained at or within 500 feet of a residential dwelling, a residentially-zoned property, school, playground, recreational area or park.

The **detection of arsenic collected on July 9, 2020 in the site soils at concentrations exceeding their applicable RCS-1 triggers a 120-day notification requirement to the MassDEP under MCP 310 CMR 40.0315: Releases Which Require Notification Within 120 Days**.

Additionally, **since five (5) of the 17 soil samples exceeded a concentration of arsenic over 40 mg/kg the criteria for a release that could pose an Imminent Hazard to human health** in accordance with MCP 310 CMR 40.0321(2) which is "a release to the environment indicated by the measurement of concentrations of hazardous material, equal to or greater than any of the following concentrations at the ground surface or within a depth of twelve (12) inches below the

ground surface, at any location within 500 feet of a residential dwelling, school, playground, recreation area or park, unless access by children is controlled or prevented by means of bituminous pavement, concrete, fence, or other physical barrier". **A release that <u>could pose</u> an Imminent Hazard to human health requires a "Two Hour" release notification obligation to the MassDEP**.

<u>Recommendations</u>

At this time, due to the limited time to properly evaluate whether the detection of the concentrations of arsenic from the soil results from the July 9, 2020 soil precharacterization sampling prior to construction are naturally occurring as believed, ***ECMS*** **recommends that the MassDEP be notified of a release that <u>could pose</u> an Imminent Hazard to human health requires a "Two Hour" release notification obligation.**

As stated in MCP 310 CMR 40.0321(3) Notwithstanding the provisions of 310 CMR 40.0321(2) and 40.0321(3), a person required to notify under 310 CMR 40.0331 may demonstrate to the Department by a preponderance of the evidence that release or site conditions specified in 310 CMR 40.0321(2) and/or (3) do not constitute an actual Imminent Hazard to human health, in conformance with the Imminent Hazard Evaluation process described in 310 CMR 40.0426, and in consideration of the site-specific factors and the risk assessment and risk management criteria contained in 310 CMR 40.0950. No such demonstration, however, shall relieve any person of the obligation to notify the Department of a release or threat of release under the provisions of 310 CMR 40.0311 or 40.0312.

ECMS recommends that an **Imminent Hazard Evaluation** be completed to ensure that an Imminent Hazard does not exist.

ECMS also recommends that after MassDEP release notification that an evaluation be conducted to determine if a **Release Notification Retraction** under MCP 310 CMR 40.0335(1)(c), this release notification is being retracted on the basis that the subject release did not meet one or more of the sets of notification criteria specified in 310 CMR 40.0300. Specifically, releases of arsenic do not require notification pursuant to 310 CMR 40.0317(22) if they are in areas that are documented to have elevated arsenic measured in soil or groundwater that:

- is consistently present in the environment at and in the vicinity of the sampling location;
- is solely attributable to natural geologic or ecologic conditions; and
- has not been mobilized or transferred to another environmental medium or increased in concentration in an environmental medium as a result of anthropogenic activities.

Preliminary research indicates that the City of Amesbury lies within an area of Massachusetts that has been identified in studies by the United States Geological Survey (USGS) as being underlain by bedrock units, particularly the Merrimack and Nashoba formations, containing elevated arsenic concentrations (see *Arsenic and Uranium in Water from Private Well Completed in Bedrock of East-Central Massachusetts– Concentrations, Correlations with Bedrock Units, and Estimated Probability Maps*, John A. Colman, USGS, Scientific Investigations Report 2011-5013). Refer to https://pubs.usgs.gov/sir/2011/5013/.

Review of the test pits data completed by GZA as part of the geotechnical investigation indicates the presence of fill. Before any conclusion can be made to whether the detection of elevated arsenic in the site's soils is applicable for retraction, the nature and the source of the fill should be evaluated. Refer to Figure 3 Soil Test Location Plan dated December 23, 2019.

ECMS recommends that additional soil samples be collected at depths (greater than could be achieved during the sampling on July 9, 2020) as well as additional samples from areas further away from the ball fields where the majority of the July 9, 2020 sampling was conducted and analyzed for arsenic. As some of the site has been filled, additional research on the source of this fill will be conducted to determine its origin whether it was reworked from the site or imported, if possible.

Should you have any further questions or comments, please do not hesitate to contact us at (617) 338-2121.

Sincerely,

*For **Environmental & Construction Management Services, Inc.** by*

Kevin J. Kavanaugh, LSP, CHMM
Principal Environmental Engineer

Stephen T. Weydt
Principal Environmental Engineer

Attachments:

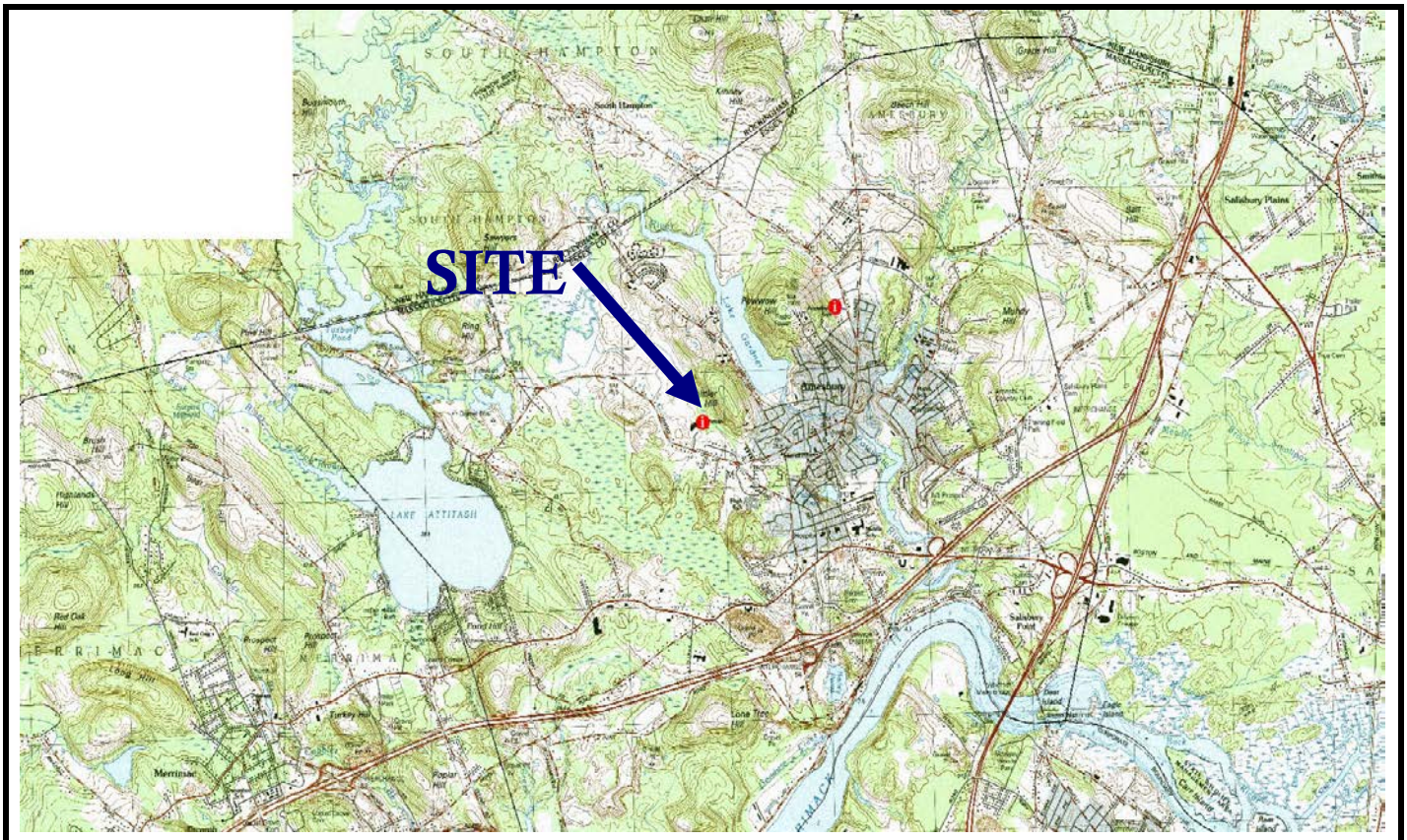
Figure 1 – Site Locus/Street Location Plan
Figure 2 – Soil Sample Location Plan July 9, 2020
Figure 3 – Soil Test Location Plan dated December 23, 2019

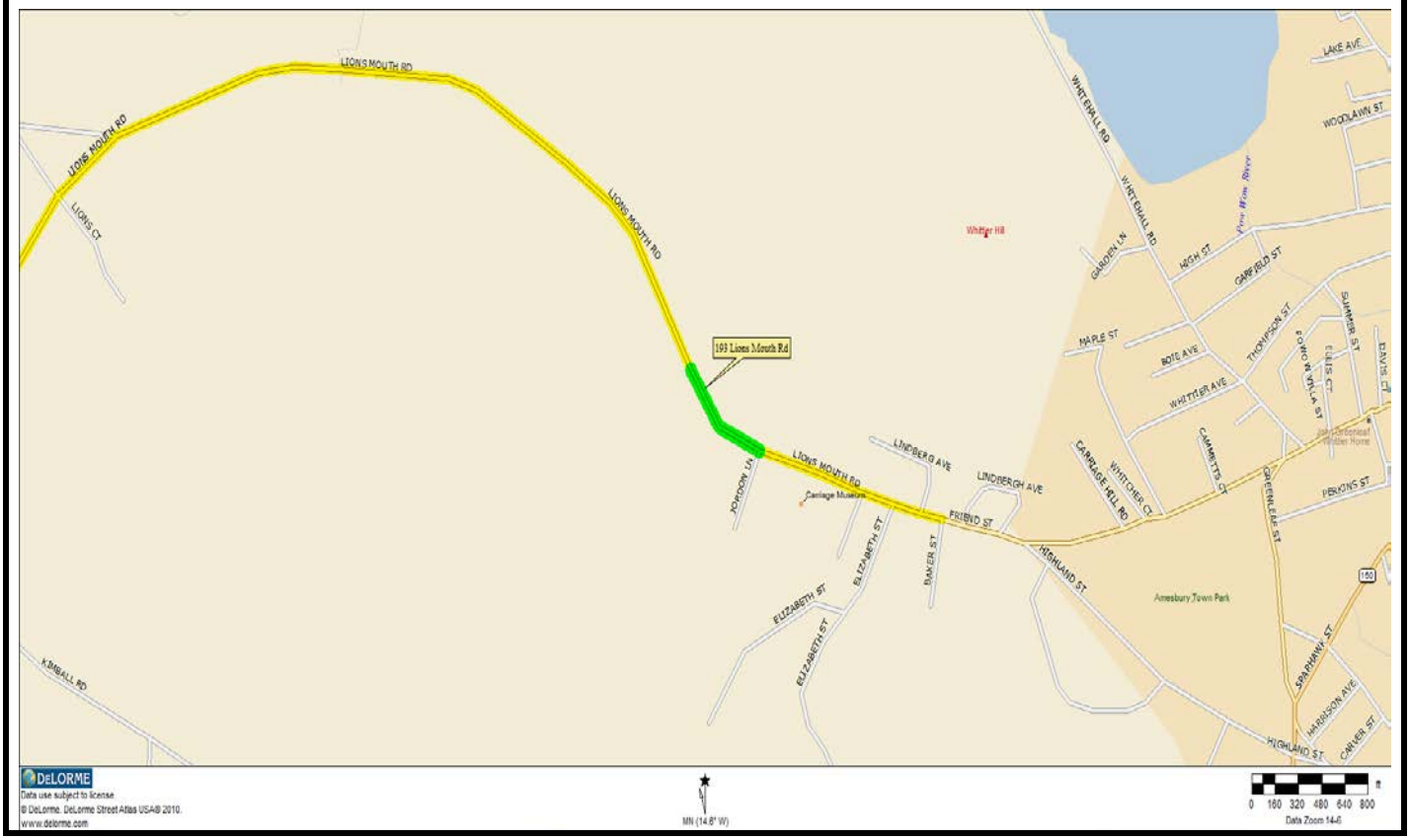
Table 1 – Summary of Subsoils Laboratory Analysis for pH, Reactivity, Ignitability, MassDEP 14 Metals, Polychlorinated Biphenyls (PCBS) and Total Petroleum Hydrocarbons (TPH)
Table 2 - Summary of Subsoils Laboratory Analysis for Volatile Organic Compounds (VOCs)
Table 3 - Summary of Subsoils Laboratory Analysis for Semi-Volatile Organic Compounds (SVOCs)

Table 4 - Summary of Subsoils Laboratory Analysis for Herbicides and Pesticides

Appendix A –Soil Laboratory Analysis Reports
Appendix B – Qualifications/Limitations

FIGURES





Cashman Elementary School **193 Lions Mouth Road** **Amesbury, Massachusetts** **01913**	**Environmental & Construction Management Services, Inc.**	**Project No.** 1009.073	**Figure 1**
		Site Locus / Street Location Plan	**N**
		Drawn By: KJK	**Date:** 8/24/18

GENERAL NOTES

1. SEE SHEETS 1.3.01 AND 1.3.02 FOR ALL EROSION AND SEDIMENT CONTROL BARRIER INSTALLATIONS.
2. SEE SHEETS 1.3.01 AND 1.3.02 FOR ALL AREAS OF FUTURE STORMWATER MANAGEMENT. ALSO SEE NOTE 3 ON SHEET 1.3.01.
3. FOR TREES TO BE PROTECTED AND TO REMAIN, SEE LANDSCAPE PLANS.

Soil Sample Legend

- Surface Loam Sample
- Subsoil Sample
  - 24" Depth at Smaple 1
  - 22" Depth at Sample 2

STRIP EXISTING LOAM TOPSOIL AND STOCKPILE IN THE AREA DESIGNATED FOR STOCKPILING (AREA SHOWN CROSS HATCHED)

STRIP EXISTING LOAM TOPSOIL AND STOCKPILE IN THE AREA DESIGNATED FOR STOCKPILING (AREA SHOWN CROSS HATCHED)

STRIP EXISTING LOAM TOPSOIL AND STOCKPILE IN THE AREA DESIGNATED FOR STOCKPILING (AREA SHOWN CROSS HATCHED)

STRIP EXISTING LOAM TOPSOIL AND STOCKPILE IN THE AREA DESIGNATED FOR STOCKPILING (AREA SHOWN CROSS HATCHED)

WITHIN THE AREA OF THE EXISTING LOW SPOT, DO NOT REMOVE THE VEGETATIVE COVER OR TOPSOIL.

LOAM TOPSOIL STOCKPILE AREA WITHIN THE LIMIT SHOWN FOR LOAM TOPSOIL STOCKPILE. DO NOT REMOVE THE VEGETATIVE COVER OR TOPSOIL.

DO NOT REMOVE THE VEGETATIVE COVER OR TOPSOIL WITHIN THIS AREA.

LION'S MOUTH ROAD

LINDBERGH AVENUE (PUBLIC - 50' WIDE)

LINDBERGH AVENUE (DISCONTINUED)

MASSACHUSETTS STATE PLANE COORDINATES (NAD83 - GEOID 12A)

AMESBURY ELEMENTARY SCHOOL

EARLY SITE PREPARATION

AMESBURY, MA

DINISCO DESIGN
architects + planners

99 Chauncy Street, Suite 901
Boston, MA 02111
(617) 426-2858

DGT Associates
Surveying & Engineers
1071 Worcester Road
Framingham, MA 01701
(508) 879-0030

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Thompson Engineering Company, Inc.
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89 Newbury Street, Suite 103
Danvers, MA 01923
(617) 866-9066

Hancock Associates
Surveyor
185 Centre Street
Danvers, MA 09123
(978) 777-3050

KEY PLAN

NORTH ARROW | STAMP

Date: 6 JULY 2020

Drawn By: KMR

Scale: 0 40 80

Revisions

Number	Date	Description

90% EARLY SITE PACKAGE

Proposed Topsoil Removal Limit Plan

1.3.06

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TABLES

TABLE 1

SUMMARY OF TOPSOIL/LOAM/SUBSOIL SAMPLES FOR pH, REACTIVITY, IGNITABILITY, MASSDEP 14 METALS, POLCHLORINATED BIPHENYLS (PCBs) & TOTAL PETROLEUM HYDROCARBONS (TPH)

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location		SS-1	SS-2	SSS-3	SSS-4	SSS-5	SSS-6	SSS-7	SSS-8	SSS-9	MassDEP	MassDEP
Laboratory ID		SC58794-01	SC58794-02	SC58794-10	SC58794-11	SC58794-12	SC58794-13	SC58794-14	SC58794-15	SC58794-16	Reportable Concentrations	Imminent Hazard
Sample Date		7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020		
Sample Depth		24"	22"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	RCS-1	
SM2540 G (11) Mod. (%)												
solids	% Solids	89.3	88.8	82.7	88.9	85.8	92.6	83.4	86.1	78.7	NA	
SW846 9045D (pH Units)												
pH		5.99	6.08	6.13	5.58	5.57	5.74	5.71	5.56	5.41	NA	
SW846 Ch. 7.3 (mg/kg dry)												
Reactivity		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative		
Reactive Cyanide		<6	<7	<7	<6	<6	<6	<7	<6	<7	30	
Reactive Sulfide		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20		
SW846 1030 (N/A)												
NA	Ignitability by Definition	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NA	
MassDEP 14 Metals - SW846 6010C (mg/kg)												
7440-36-0	Antimony	<5.59	<5.58	<5.98	<5.41	<6.27	<5.63	<6.01	<6.24	<6.28	20	
7440-38-2	Arsenic	**39.9**	**55.9**	**36.6**	**20.5**	**53.4**	**29.6**	**48.6**	**48.7**	**82.3**	**20**	40
7440-41-7	Beryllium	<0.559	<0.558	<0.598	<0.541	<0.627	<0.563	<0.601	<0.624	<0.628	90	
7440-43-9	Cadmium	<0.559	<0.558	<0.598	<0.541	<0.627	<0.563	<0.601	<0.624	<0.628	70	
7440-47-3	Chromium	22.6	19.4	21.8	18.8	25.0	30.0	65.9	31.6	24.7	100	
7439-92-1	Lead	8.42	19.3	17.0	18.6	17.0	15.8	28.6	21.0	22.9	200	
7440-02-0	Nickel	39.7	71.4	33.2	20.3	46.2	25.6	44.8	47.7	76.0	600	
7782-49-2	Selenium	<1.68	<1.67	<1.80	<1.62	<1.88	<1.69	<1.80	<1.87	<1.88	400	
7440-22-4	Silver	<3.35	<3.35	<3.59	<3.25	<3.76	<3.38	<3.60	<3.75	<3.77	100	
7440-28-0	Thallium	<3.35	<3.35	<3.59	<3.25	<3.76	<3.38	<3.60	<3.75	<3.77	8	
7440-62-2	Vanadium	22.7	24.5	30.1	24.5	33.9	35.8	46.7	36.0	39.4	400	
7440-66-6	Zinc	36.3	58.5	107	36.0	52.1	43.2	56.2	52.3	64.7	1000	
7440-39-3	Barium	18.4	22.5	30.0	29.5	30.3	28.6	34.6	33.0	29.1	1000	
RCRA Metals - SW846 7471B (mg/kg)												
7439-97-6	Mercury	<0.115	<0.127	<0.110	<0.116	<0.103	<0.120	<0.128	<0.115	<0.120	20	
Polychlorinated biphenyls (PCBs) - SW846 8082A (µg/kg)												
12674-11-2	Aroclor-1016	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	1000	
11104-28-2	Aroclor-1221	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	1000	
11141-16-5	Aroclor-1232	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	1000	
53469-21-9	Aroclor-1242	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	1000	
12672-29-6	Aroclor-1248	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	1000	
11097-69-1	Aroclor-1254	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	1000	
11096-82-5	Aroclor-1260	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	1000	
37324-23-5	Aroclor-1262	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	-	
11100-14-4	Aroclor-1268	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	-	
Total Petroleum Hydrocarbons (TPH) 8100 by GC (mg/kg)												
PH(TOT)	Total Petroleum Hydrocarbons	24.9	38.7	113	118	106	134	170	111	129	1000	

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Bolfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazrdous Materials List (MOHML) revised (effective) 2014

Environmental & Construction Management Services, Inc.

TABLE 1

SUMMARY OF TOPSOIL/LOAM/SUBSOIL SAMPLES FOR pH, REACTIVITY, IGNITABILITY, MASSDEP 14 METALS, POLCHLORINATED BIPHENYLS (PCBs) & TOTAL PETROLEUM HYDROCARBONS (TPH)

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location		SSS-10	SSS-11	SSS-12	SSS-13	SSS-14	SSS-15	SSS-16	SSS-17	MassDEP Reportable Concentrations RCS-1	MassDEP Imminent Hazard
Laboratory ID		SC58794-03	SC58794-04	SC58794-05	SC58794-06	SC58794-07	SC58794-17	SC58794-08	SC58794-09		
Sample Date		7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020		
Sample Depth		2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"		
SM2540 G (11) Mod. (%)											
solids	% Solids	80.1	80.6	83.3	79.0	86.9	79.8	90.3	89.6	NA	
SW846 9045D (pH Units)											
pH		6.17	5.47	5.71	6.35	6.03	5.69	6.08	6.11		
SW846 Ch. 7.3 (mg/kg dry)											
Reactivity		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative		
Reactive Cyanide		<7	<9	<6	<7	<6	<7	<6	<6	30	
Reactive Sulfide		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20		
SW846 1030 (N/A)											
NA	Ignitability by Definition	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NA	
MassDEP 14 Metals - SW846 6010C (mg/kg)											
7440-36-0	Antimony	<5.89	<6.24	<5.56	<6.11	<5.63	<6.33	<5.58	<5.33	20	
7440-38-2	Arsenic	**25.4**	**33.6**	**39.2**	**49.1**	**23.7**	**37.8**	**36.6**	**21.9**	**20**	**40**
7440-41-7	Beryllium	<0.589	<0.624	<0.556	<0.611	<0.563	<0.633	<0.558	<0.533	90	
7440-43-9	Cadmium	<0.589	<0.624	<0.556	<0.611	<0.563	<0.633	<0.558	<0.533	70	
7440-47-3	Chromium	22.9	23.2	17.4	23.3	36.0	31.5	21.7	19.4	100	
7439-92-1	Lead	13.7	18.9	19.6	22.7	13.7	25.9	17.5	12.1	200	
7440-02-0	Nickel	28.2	30.4	26.9	37.2	26.1	37.7	30.6	27.9	600	
7782-49-2	Selenium	<1.77	<1.87	<1.67	<1.83	<1.69	<1.90	<1.67	<1.60	400	
7440-22-4	Silver	<3.53	<3.74	<3.34	<3.67	<3.38	<3.80	<3.35	<3.20	100	
7440-28-0	Thallium	<3.53	<3.74	<3.34	<3.67	<3.38	<3.80	<3.35	<3.20	8	
7440-62-2	Vanadium	29.6	38.3	33.5	34.6	41.9	36.3	30.6	8.48	400	
7440-66-6	Zinc	60.8	43.2	37.9	49.2	44.6	60.7	44.3	61.8	1000	
7440-39-3	Barium	26.5	24.8	21.7	28.9	44.1	46.3	24.0	113	1000	
RCRA Metals - SW846 7471B (mg/kg)											
7439-97-6	Mercury	<0.117	<0.126	<0.129	<0.133	<0.118	<0.123	<0.119	<0.116	20	
Polychlorinated biphenyls (PCBs) - SW846 8082A (µg/kg)											
12674-11-2	Aroclor-1016	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	1000	
11104-28-2	Aroclor-1221	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	1000	
11141-16-5	Aroclor-1232	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	1000	
53469-21-9	Aroclor-1242	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	1000	
12672-29-6	Aroclor-1248	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	1000	
11097-69-1	Aroclor-1254	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	1000	
11096-82-5	Aroclor-1260	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	1000	
37324-23-5	Aroclor-1262	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	-	
11100-14-4	Aroclor-1268	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	-	
Total Petroleum Hydrocarbons (TPH) 8100 by GC (mg/kg)											
PH(TOT)	Total Petroleum Hydrocarbons	109	184	180	93.0	116	168	93.6	49.7	1000	

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Bolfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazrdous Materials List (MOHML) revised (effective) 2014

Environmental & Construction Management Services, Inc.

TABLE 2

SUMMARY OF TOPSOIL/LOAM & SUBSOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS (VOCs)

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location		SS-1	SS-2	SSS-3	SSS-4	SSS-5	SSS-6	SSS-7	SSS-8	SSS-9	MassDEP Reportable Concentrations
Laboratory ID		SC58794-01	SC58794-02	SC58794-10	SC58794-11	SC58794-12	SC58794-13	SC58794-14	SC58794-15	SC58794-16	
Sample Date		7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	
Sample Depth		24"	22"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	RCS-1
Volatile Organic Compounds (VOCs) - SW846 8260B (µg/kg)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
67-64-1	Acetone	<532	<573	<711	<643	<662	<521	<594	<605	<760	6000
107-13-1	Acrylonitrile	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
71-43-2	Benzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	2000
108-86-1	Bromobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
74-97-5	Bromochloromethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
75-27-4	Bromodichloromethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
75-25-2	Bromoform	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
74-83-9	Bromomethane	<106	<115	<142	<129	<132	<104	<119	<121	<152	500
78-93-3	2-Butanone (MEK)	<106	<115	<142	<129	<132	<104	<119	<121	<152	4000
104-51-8	n-Butylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
135-98-8	sec-Butylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
98-06-6	tert-Butylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
75-15-0	Carbon disulfide	<106	<115	<142	<129	<132	<104	<119	<121	<152	100000
56-23-5	Carbon tetrachloride	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	5000
108-90-7	Chlorobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	1000
75-00-3	Chloroethane	<106	<115	<142	<129	<132	<104	<119	<121	<152	100000
67-66-3	Chloroform	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	200
74-87-3	Chloromethane	<106	<115	<142	<129	<132	<104	<119	<121	<152	100000
95-49-8	2-Chlorotoluene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
106-43-4	4-Chlorotoluene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
96-12-8	1,2-Dibromo-3-chloropropane	<106	<115	<142	<129	<132	<104	<119	<121	<152	10000
124-48-1	Dibromochloromethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	5
106-93-4	1,2-Dibromoethane (EDB)	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
74-95-3	Dibromomethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	500000
95-50-1	1,2-Dichlorobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	9000
541-73-1	1,3-Dichlorobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	3000
106-46-7	1,4-Dichlorobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	700
75-71-8	Dichlorodifluoromethane (Freon12)	<106	<115	<142	<129	<132	<104	<119	<121	<152	1000000
75-34-3	1,1-Dichloroethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	400
107-06-2	1,2-Dichloroethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
75-35-4	1,1-Dichloroethene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	3000
156-59-2	cis-1,2-Dichloroethene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	300
156-60-5	trans-1,2-Dichloroethene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	1000
78-87-5	1,2-Dichloropropane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
142-28-9	1,3-Dichloropropane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	500000
594-20-7	2,2-Dichloropropane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
563-58-6	1,1-Dichloropropene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
10061-01-5	cis-1,3-Dichloropropene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	10
10061-02-6	trans-1,3-Dichloropropene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	10
100-41-4	Ethylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	40000
87-68-3	Hexachlorobutadiene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	30000
591-78-6	2-Hexanone (MBK)	<106	<115	<142	<129	<132	<104	<119	<121	<152	100000
98-82-8	Isopropylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	1000000
99-87-6	4-Isopropyltoluene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
1634-04-4	Methyl tert-butyl ether	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
108-10-1	4-Methyl-2-pentanone (MIBK)	<106	<115	<142	<129	<132	<104	<119	<121	<152	400
75-09-2	Methylene chloride	<106	<115	<142	<129	<132	<104	<119	<121	<152	100
91-20-3	Naphthalene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	4000
103-65-1	n-Propylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
100-42-5	Styrene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	3000
630-20-6	1,1,1,2-Tetrachloroethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
79-34-5	1,1,2,2-Tetrachloroethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	5
127-18-4	Tetrachloroethene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	1000
108-88-3	Toluene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	30000
87-61-6	1,2,3-Trichlorobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
120-82-1	1,2,4-Trichlorobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	2000
108-70-3	1,3,5-Trichlorobenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	30000
71-55-6	1,1,1-Trichloroethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
79-00-5	1,1,2-Trichloroethane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100
79-01-6	Trichloroethene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	300
75-69-4	Trichlorofluoromethane (Freon 11)	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	1000000
96-18-4	1,2,3-Trichloropropane	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
95-63-6	1,2,4-Trimethylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	1000000
108-67-8	1,3,5-Trimethylbenzene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	10000
75-01-4	Vinyl chloride	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	700
179601-23-1	m,p-Xylene	<106	<115	<142	<129	<132	<104	<119	<121	<152	300000
95-47-6	o-Xylene	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	500000
109-99-9	Tetrahydrofuran	<106	<115	<142	<129	<132	<104	<119	<121	<152	500000
60-29-7	Ethyl ether	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
994-05-8	Tert-amyl methyl ether	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
637-92-3	Ethyl tert-butyl ether	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	
108-20-3	Di-isopropyl ether	<53.2	<57.3	<71.1	<64.3	<66.2	<52.1	<59.4	<60.5	<76.0	100000
75-65-0	Tert-Butanol / butyl alcohol	<1060	<1150	<1420	<1290	<1320	<1040	<1190	<1210	<1520	100000
123-91-1	1,4-Dioxane	<1060	<1150	<1420	<1290	<1320	<1040	<1190	<1210	<1520	10000
110-57-6	trans-1,4-Dichloro-2-butene	<266	<286	<356	<321	<331	<261	<297	<302	<380	200
64-17-5	Ethanol	<10600	<11500	<14200	<12900	<13200	<10400	<11900	<12100	<15200	100000

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Bolfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazrdous Materials List (MOHML) revised (effective) February 14, 2008

Environmental & Construction Management Services, Inc.

TABLE 2

SUMMARY OF TOPSOIL/LOAM & SUBSOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS (VOCs)

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location		SSS-10	SSS-11	SSS-12	SSS-13	SSS-14	SSS-15	SSS-16	SSS-17	MassDEP Reportable Concentrations
Laboratory ID		SC58794-03	SC58794-04	SC58794-05	SC58794-06	SC58794-07	SC58794-17	SC58794-08	SC58794-09	
Sample Date		7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	
Sample Depth		2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	RCS-1
Volatile Organic Compounds (VOCs) - SW846 8260B (µg/kg)										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
67-64-1	Acetone	<686	<693	<637	<695	<585	<695	<540	<529	6000
107-13-1	Acrylonitrile	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
71-43-2	Benzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	2000
108-86-1	Bromobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
74-97-5	Bromochloromethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
75-27-4	Bromodichloromethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
75-25-2	Bromoform	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
74-83-9	Bromomethane	<137	<139	<127	<139	<117	<139	<108	<106	500
78-93-3	2-Butanone (MEK)	<137	<139	<127	<139	<117	<139	<108	<106	4000
104-51-8	n-Butylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
135-98-8	sec-Butylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
98-06-6	tert-Butylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
75-15-0	Carbon disulfide	<137	<139	<127	<139	<117	<139	<108	<106	100000
56-23-5	Carbon tetrachloride	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	5000
108-90-7	Chlorobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	1000
75-00-3	Chloroethane	<137	<139	<127	<139	<117	<139	<108	<106	100000
67-66-3	Chloroform	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	200
74-87-3	Chloromethane	<137	<139	<127	<139	<117	<139	<108	<106	100000
95-49-8	2-Chlorotoluene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
106-43-4	4-Chlorotoluene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
96-12-8	1,2-Dibromo-3-chloropropane	<137	<139	<127	<139	<117	<139	<108	<106	10000
124-48-1	Dibromochloromethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	5
106-93-4	1,2-Dibromoethane (EDB)	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
74-95-3	Dibromomethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	500000
95-50-1	1,2-Dichlorobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	9000
541-73-1	1,3-Dichlorobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	3000
106-46-7	1,4-Dichlorobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	700
75-71-8	Dichlorodifluoromethane (Freon12)	<137	<139	<127	<139	<117	<139	<108	<106	1000000
75-34-3	1,1-Dichloroethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	400
107-06-2	1,2-Dichloroethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
75-35-4	1,1-Dichloroethene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	3000
156-59-2	cis-1,2-Dichloroethene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	300
156-60-5	trans-1,2-Dichloroethene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	1000
78-87-5	1,2-Dichloropropane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
142-28-9	1,3-Dichloropropane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	500000
594-20-7	2,2-Dichloropropane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
563-58-6	1,1-Dichloropropene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
10061-01-5	cis-1,3-Dichloropropene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	10
10061-02-6	trans-1,3-Dichloropropene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	10
100-41-4	Ethylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	40000
87-68-3	Hexachlorobutadiene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	30000
591-78-6	2-Hexanone (MBK)	<137	<139	<127	<139	<117	<139	<108	<106	100000
98-82-8	Isopropylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	1000000
99-87-6	4-Isopropyltoluene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
1634-04-4	Methyl tert-butyl ether	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
108-10-1	4-Methyl-2-pentanone (MIBK)	<137	<139	<127	<139	<117	<139	<108	<106	400
75-09-2	Methylene chloride	<137	<139	<127	<139	<117	<139	<108	<106	100
91-20-3	Naphthalene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	4000
103-65-1	n-Propylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
100-42-5	Styrene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	3000
630-20-6	1,1,1,2-Tetrachloroethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
79-34-5	1,1,2,2-Tetrachloroethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	5
127-18-4	Tetrachloroethene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	1000
108-88-3	Toluene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	30000
87-61-6	1,2,3-Trichlorobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
120-82-1	1,2,4-Trichlorobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	2000
108-70-3	1,3,5-Trichlorobenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	30000
71-55-6	1,1,1-Trichloroethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
79-00-5	1,1,2-Trichloroethane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100
79-01-6	Trichloroethene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	300
75-69-4	Trichlorofluoromethane (Freon 11)	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	1000000
96-18-4	1,2,3-Trichloropropane	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
95-63-6	1,2,4-Trimethylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	1000000
108-67-8	1,3,5-Trimethylbenzene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	10000
75-01-4	Vinyl chloride	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	700
179601-23-1	m,p-Xylene	<137	<139	<127	<139	<117	<139	<108	<106	300000
95-47-6	o-Xylene	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	500000
109-99-9	Tetrahydrofuran	<137	<139	<127	<139	<117	<139	<108	<106	500000
60-29-7	Ethyl ether	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
994-05-8	Tert-amyl methyl ether	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
637-92-3	Ethyl tert-butyl ether	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	
108-20-3	Di-isopropyl ether	<68.6	<69.3	<63.7	<69.5	<58.5	<69.5	<54.0	<52.9	100000
75-65-0	Tert-Butanol / butyl alcohol	<1370	<1390	<1270	<1390	<1170	<1390	<1080	<1060	100000
123-91-1	1,4-Dioxane	<1370	<1390	<1270	<1390	<1170	<1390	<1080	<1060	10000
110-57-6	trans-1,4-Dichloro-2-butene	<343	<347	<318	<348	<292	<347	<270	<264	200
64-17-5	Ethanol	<13700	<13900	<12700	<13900	<11700	<13900	<10800	<10600	100000

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Bolfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazrdous Materials List (MOHML) revised (effective) February 14, 2008

Environmental & Construction Management Services, Inc.

TABLE 3

SUMMARY OF TOPSOIL/LOAM & SUBSOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location		SS-1	SS-2	SSS-3	SSS-4	SSS-5	SSS-6	SSS-7	SSS-8	SSS-9	MassDEP Reportable Concentrations
Laboratory ID		SC58794-01	SC58794-02	SC58794-10	SC58794-11	SC58794-12	SC58794-13	SC58794-14	SC58794-15	SC58794-16	
Sample Date		7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	
Sample Depth		24"	22"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	RCS-1
Semi-Volatile Organic Compounds (SVOCs) - SW846 8270D (µg/kg)											
83-32-9	Acenaphthene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	4000
208-96-8	Acenaphthylene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	1000
62-53-3	Aniline	<368	<369	<396	<367	<379	<352	<394	<379	<415	100000
120-12-7	Anthracene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	1000000
103-33-3	Azobenzene/Diphenyldiazene	<368	<369	<396	<367	<379	<352	<394	<379	<415	50000
92-87-5	Benzidine	<736	<738	<792	<735	<759	<704	<787	<757	<829	10000
56-55-3	Benzo (a) anthracene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	7000
50-32-8	Benzo (a) pyrene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	2000
205-99-2	Benzo (b) fluoranthene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	7000
191-24-2	Benzo (g,h,i) perylene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	1000000
207-08-9	Benzo (k) fluoranthene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	1000000
65-85-0	Benzoic acid	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000000
100-51-6	Benzyl alcohol	<368	<369	<396	<367	<379	<352	<394	<379	<415	-
111-91-1	Bis(2-chloroethoxy)methane	<368	<369	<396	<367	<379	<352	<394	<379	<415	500000
111-44-4	Bis(2-chloroethyl)ether	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
108-60-1	Bis(2-chloroisopropyl)ether	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
117-81-7	Bis(2-ethylhexyl)phthalate	<186	<187	<201	<186	<192	<178	<199	<192	<210	200000
101-55-3	4-Bromophenyl phenyl ether	<368	<369	<396	<367	<379	<352	<394	<379	<415	100000
85-68-7	Butyl benzyl phthalate	<368	<369	<396	<367	<379	<352	<394	<379	<415	100000
86-74-8	Carbazole	<186	<187	<201	<186	<192	<178	<199	<192	<210	-
59-50-7	4-Chloro-3-methylphenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000000
106-47-8	4-Chloroaniline	<186	<187	<201	<186	<192	<178	<199	<192	<210	1000
91-58-7	2-Chloronaphthalene	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000000
95-57-8	2-Chlorophenol	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
7005-72-3	4-Chlorophenyl phenyl ether	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000000
218-01-9	Chrysene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	70000
53-70-3	Dibenzo (a,h) anthracene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	700
132-64-9	Dibenzofuran	<186	<187	<201	<186	<192	<178	<199	<192	<210	100000
95-50-1	1,2-Dichlorobenzene	<368	<369	<396	<367	<379	<352	<394	<379	<415	9000
541-73-1	1,3-Dichlorobenzene	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000
106-46-7	1,4-Dichlorobenzene	<368	<369	<396	<367	<379	<352	<394	<379	<415	700
91-94-1	3,3´-Dichlorobenzidine	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000
120-83-2	2,4-Dichlorophenol	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
84-66-2	Diethyl phthalate	<368	<369	<396	<367	<379	<352	<394	<379	<415	10000
131-11-3	Dimethyl phthalate	<368	<369	<396	<367	<379	<352	<394	<379	<415	30000
105-67-9	2,4-Dimethylphenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	700
84-74-2	Di-n-butyl phthalate	<368	<369	<396	<367	<379	<352	<394	<379	<415	50000
534-52-1	4,6-Dinitro-2-methylphenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	50000
51-28-5	2,4-Dinitrophenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	3000
121-14-2	2,4-Dinitrotoluene	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
606-20-2	2,6-Dinitrotoluene	<186	<187	<201	<186	<192	<178	<199	<192	<210	100000
117-84-0	Di-n-octyl phthalate	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000000
206-44-0	Fluoranthene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	1000000
86-73-7	Fluorene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	1000000
118-74-1	Hexachlorobenzene	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
87-68-3	Hexachlorobutadiene	<186	<187	<201	<186	<192	<178	<199	<192	<210	6000
77-47-4	Hexachlorocyclopentadiene	<186	<187	<201	<186	<192	<178	<199	<192	<210	50000
67-72-1	Hexachloroethane	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
193-39-5	Indeno (1,2,3-cd) pyrene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	7000
78-59-1	Isophorone	<186	<187	<201	<186	<192	<178	<199	<192	<210	100000
91-57-6	2-Methylnaphthalene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	700
95-48-7	2-Methylphenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	500000
108-39-4, 106-44-5	3 & 4-Methylphenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	500000
91-20-3	Naphthalene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	4000
88-74-4	2-Nitroaniline	<368	<369	<396	<367	<379	<352	<394	<379	<415	-
99-09-2	3-Nitroaniline	<368	<369	<396	<367	<379	<352	<394	<379	<415	-
100-01-6	4-Nitroaniline	<186	<187	<201	<186	<192	<178	<199	<192	<210	1000000
98-95-3	Nitrobenzene	<186	<187	<201	<186	<192	<178	<199	<192	<210	500000
88-75-5	2-Nitrophenol	<186	<187	<201	<186	<192	<178	<199	<192	<210	100000
100-02-7	4-Nitrophenol	<1470	<1480	<1580	<1470	<1520	<1410	<1570	<1510	<1660	100000
62-75-9	N-Nitrosodimethylamine	<186	<187	<201	<186	<192	<178	<199	<192	<210	50000
621-64-7	N-Nitrosodi-n-propylamine	<186	<187	<201	<186	<192	<178	<199	<192	<210	50000
86-30-6	N-Nitrosodiphenylamine	<368	<369	<396	<367	<379	<352	<394	<379	<415	100000
87-86-5	Pentachlorophenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	3000
85-01-8	Phenanthrene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	10000
108-95-2	Phenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000
129-00-0	Pyrene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	1000000
110-86-1	Pyridine	<368	<369	<396	<367	<379	<352	<394	<379	<415	500000
120-82-1	1,2,4-Trichlorobenzene	<368	<369	<396	<367	<379	<352	<394	<379	<415	2000
90-12-0	1-Methylnaphthalene	<74.4	<74.6	<80.1	<74.3	<76.7	<71.1	<79.6	<76.5	<83.8	-
95-95-4	2,4,5-Trichlorophenol	<368	<369	<396	<367	<379	<352	<394	<379	<415	3000
88-06-2	2,4,6-Trichlorophenol	<186	<187	<201	<186	<192	<178	<199	<192	<210	700
82-68-8	Pentachloronitrobenzene	<368	<369	<396	<367	<379	<352	<394	<379	<415	100000
95-94-3	1,2,4,5-Tetrachlorobenzene	<368	<369	<396	<367	<379	<352	<394	<379	<415	1000000

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Boldfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazardous Materials List (MOHML) revised (effective) 2014

Environmental & Construction Management Services, Inc.

TABLE 3

SUMMARY OF TOPSOIL/LOAM & SUBSOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location		SSS-10	SSS-11	SSS-12	SSS-13	SSS-14	SSS-15	SSS-16	SSS-17	MassDEP Reportable Concentrations
Laboratory ID		SC58794-03	SC58794-04	SC58794-05	SC58794-06	SC58794-07	SC58794-17	SC58794-08	SC58794-09	
Sample Date		7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	
Sample Depth		2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	RCS-1
Semi-Volatile Organic Compounds (SVOCs) - SW846 8270D (µg/kg)										
83-32-9	Acenaphthene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	4000
208-96-8	Acenaphthylene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	1000
62-53-3	Aniline	<407	<405	<385	<414	<375	<407	<361	<356	100000
120-12-7	Anthracene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	1000000
103-33-3	Azobenzene/Diphenyldiazene	<407	<405	<385	<414	<375	<407	<361	<356	50000
92-87-5	Benzidine	<815	<809	<771	<828	<750	<814	<722	<713	10000
56-55-3	Benzo (a) anthracene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	7000
50-32-8	Benzo (a) pyrene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	2000
205-99-2	Benzo (b) fluoranthene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	7000
191-24-2	Benzo (g,h,i) perylene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	1000000
207-08-9	Benzo (k) fluoranthene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	1000000
65-85-0	Benzoic acid	<407	<405	<385	<414	<375	<407	<361	<356	1000000
100-51-6	Benzyl alcohol	<407	<405	<385	<414	<375	<407	<361	<356	-
111-91-1	Bis(2-chloroethoxy)methane	<407	<405	<385	<414	<375	<407	<361	<356	500000
111-44-4	Bis(2-chloroethyl)ether	<206	<205	<195	<210	<190	<206	<183	<180	700
108-60-1	Bis(2-chloroisopropyl)ether	<206	<205	<195	<210	<190	<206	<183	<180	700
117-81-7	Bis(2-ethylhexyl)phthalate	305	<205	<195	<210	<190	<206	<183	<180	200000
101-55-3	4-Bromophenyl phenyl ether	<407	<405	<385	<414	<375	<407	<361	<356	100000
85-68-7	Butyl benzyl phthalate	<407	<405	<385	<414	<375	<407	<361	<356	100000
86-74-8	Carbazole	<206	<205	<195	<210	<190	<206	<183	<180	-
59-50-7	4-Chloro-3-methylphenol	<407	<405	<385	<414	<375	<407	<361	<356	1000000
106-47-8	4-Chloroaniline	<206	<205	<195	<210	<190	<206	<183	<180	1000
91-58-7	2-Chloronaphthalene	<407	<405	<385	<414	<375	<407	<361	<356	1000000
95-57-8	2-Chlorophenol	<206	<205	<195	<210	<190	<206	<183	<180	700
7005-72-3	4-Chlorophenyl phenyl ether	<407	<405	<385	<414	<375	<407	<361	<356	1000000
218-01-9	Chrysene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	70000
53-70-3	Dibenzo (a,h) anthracene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	700
132-64-9	Dibenzofuran	<206	<205	<195	<210	<190	<206	<183	<180	100000
95-50-1	1,2-Dichlorobenzene	<407	<405	<385	<414	<375	<407	<361	<356	9000
541-73-1	1,3-Dichlorobenzene	<407	<405	<385	<414	<375	<407	<361	<356	1000
106-46-7	1,4-Dichlorobenzene	<407	<405	<385	<414	<375	<407	<361	<356	700
91-94-1	3,3'-Dichlorobenzidine	<407	<405	<385	<414	<375	<407	<361	<356	1000
120-83-2	2,4-Dichlorophenol	<206	<205	<195	<210	<190	<206	<183	<180	700
84-66-2	Diethyl phthalate	<407	<405	<385	<414	<375	<407	<361	<356	10000
131-11-3	Dimethyl phthalate	<407	<405	<385	<414	<375	<407	<361	<356	30000
105-67-9	2,4-Dimethylphenol	<407	<405	<385	<414	<375	<407	<361	<356	700
84-74-2	Di-n-butyl phthalate	<407	<405	<385	<414	<375	<407	<361	<356	50000
534-52-1	4,6-Dinitro-2-methylphenol	<407	<405	<385	<414	<375	<407	<361	<356	50000
51-28-5	2,4-Dinitrophenol	<407	<405	<385	<414	<375	<407	<361	<356	3000
121-14-2	2,4-Dinitrotoluene	<206	<205	<195	<210	<190	<206	<183	<180	700
606-20-2	2,6-Dinitrotoluene	<206	<205	<195	<210	<190	<206	<183	<180	100000
117-84-0	Di-n-octyl phthalate	<407	<405	<385	<414	<375	<407	<361	<356	1000000
206-44-0	Fluoranthene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	1000000
86-73-7	Fluorene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	1000000
118-74-1	Hexachlorobenzene	<206	<205	<195	<210	<190	<206	<183	<180	700
87-68-3	Hexachlorobutadiene	<206	<205	<195	<210	<190	<206	<183	<180	6000
77-47-4	Hexachlorocyclopentadiene	<206	<205	<195	<210	<190	<206	<183	<180	50000
67-72-1	Hexachloroethane	<206	<205	<195	<210	<190	<206	<183	<180	700
193-39-5	Indeno (1,2,3-cd) pyrene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	7000
78-59-1	Isophorone	<206	<205	<195	<210	<190	<206	<183	<180	100000
91-57-6	2-Methylnaphthalene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	700
95-48-7	2-Methylphenol	<407	<405	<385	<414	<375	<407	<361	<356	500000
108-39-4, 106-44-5	3 & 4-Methylphenol	<407	<405	<385	<414	<375	<407	<361	<356	500000
91-20-3	Naphthalene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	4000
88-74-4	2-Nitroaniline	<407	<405	<385	<414	<375	<407	<361	<356	-
99-09-2	3-Nitroaniline	<407	<405	<385	<414	<375	<407	<361	<356	-
100-01-6	4-Nitroaniline	<206	<205	<195	<210	<190	<206	<183	<180	1000000
98-95-3	Nitrobenzene	<206	<205	<195	<210	<190	<206	<183	<180	500000
88-75-5	2-Nitrophenol	<206	<205	<195	<210	<190	<206	<183	<180	100000
100-02-7	4-Nitrophenol	<1630	<1620	<1540	<1660	<1500	<1630	<1440	<1430	100000
62-75-9	N-Nitrosodimethylamine	<206	<205	<195	<210	<190	<206	<183	<180	50000
621-64-7	N-Nitrosodi-n-propylamine	<206	<205	<195	<210	<190	<206	<183	<180	50000
86-30-6	N-Nitrosodiphenylamine	<407	<405	<385	<414	<375	<407	<361	<356	100000
87-86-5	Pentachlorophenol	<407	<405	<385	<414	<375	<407	<361	<356	3000
85-01-8	Phenanthrene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	10000
108-95-2	Phenol	<407	<405	<385	<414	<375	<407	<361	<356	1000
129-00-0	Pyrene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	1000000
110-86-1	Pyridine	<407	<405	<385	<414	<375	<407	<361	<356	500000
120-82-1	1,2,4-Trichlorobenzene	<407	<405	<385	<414	<375	<407	<361	<356	2000
90-12-0	1-Methylnaphthalene	<82.3	<81.8	<77.9	<83.7	<75.8	<82.3	<73.0	<72.0	-
95-95-4	2,4,5-Trichlorophenol	<407	<405	<385	<414	<375	<407	<361	<356	3000
88-06-2	2,4,6-Trichlorophenol	<206	<205	<195	<210	<190	<206	<183	<180	700
82-68-8	Pentachloronitrobenzene	<407	<405	<385	<414	<375	<407	<361	<356	100000
95-94-3	1,2,4,5-Tetrachlorobenzene	<407	<405	<385	<414	<375	<407	<361	<356	1000000

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Boldfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazardous Materials List (MOHML) revised (effective) 2014

TABLE 4

SUMMARY OF TOPSOIL/LOAM & SUBSOIL SAMPLES FOR PESTICIDES AND HERBICIDES

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location Laboratory ID Sample Date Sample Depth		SS-1 SC58794-01 7/9/2020 24"	SS-2 SC58794-02 7/9/2020 22"	SSS-3 SC58794-10 7/9/2020 2-6"	SSS-4 SC58794-11 7/9/2020 2-6"	SSS-5 SC58794-12 7/9/2020 2-6"	SSS-6 SC58794-13 7/9/2020 2-6"	SSS-7 SC58794-14 7/9/2020 2-6"	SSS-8 SC58794-15 7/9/2020 2-6"	SSS-9 SC58794-16 7/9/2020 2-6"	MCP Reportable Concentrations RCS-1
Pesticides - SW846 8081B (µg/kg)											
319-84-6	a-BHC	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	50000
319-85-7	b-BHC	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	10000
319-86-8	d-BHC	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	10000
58-89-9	g-BHC (Lindane)	<3.32	<3.34	<3.46	<3.23	<3.46	<3.22	<3.57	<3.45	<3.80	3000
76-44-8	Heptachlor	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	200
309-00-2	Aldrin	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	100000
1024-57-3	Heptachlor epoxide	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	90
959-98-8	Endosulfan I	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	500
60-57-1	Dieldrin	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	50
72-55-9	4,4' -DDE	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	3000
72-20-8	Endrin	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	8000
33213-65-9	Endosulfan II	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	500
72-54-8	4,4' -DDD	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	4000
1031-07-8	Endosulfan sulfate	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	-
50-29-3	4,4' -DDT	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	-
72-43-5	Methoxychlor	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	200000
53494-70-5	Endrin ketone	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	8000
7421-93-4	Endrin aldehyde	<8.85	<8.90	<9.24	<8.60	<9.21	<8.58	<9.51	<9.19	<10.1	10000
5103-71-9	alpha-Chlordane	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	-
5103-74-2	gamma-Chlordane	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	-
8001-35-2	Toxaphene	<111	<111	<115	<108	<115	<107	<119	<115	<127	10000
57-74-9	Chlordane	<22.1	<22.3	<23.1	<21.5	<23.0	<21.4	<23.8	<23.0	<25.3	700
15972-60-8	Alachlor	<5.53	<5.56	<5.77	<5.38	<5.76	<5.36	<5.94	<5.75	<6.34	100
Herbicides - SW846 8151A (µg/kg)											
93-76-5	2,4,5-T	<80	<80	<80	<80	<80	<80	<80	<80	<80	100000
93-72-1	2,4,5-TP (Silvex)	<80	<80	<80	<80	<80	<80	<80	<80	<80	100000
94-75-7	2,4-D	<80	<80	<80	<80	<80	<80	<80	<80	<80	100000
94-82-6	2,4-DB	<80	<80	<80	<80	<80	<80	<80	<80	<80	100000
75-99-0	Dalapon	<80	<80	<80	<80	<80	<80	<80	<80	<80	1000000
1918-00-9	Dicamba	<80	<80	<80	<80	<80	<80	<80	<80	<80	500000
120-36-5	Dichloroprop	<80	<80	<80	<80	<80	<80	<80	<80	<80	-
88-85-7	Dinoseb	<80	<80	<80	<80	<80	<80	<80	<80	<80	500000
94-74-6	MCPA	<3300	<3300	<3300	<3300	<3300	<3300	<3300	<3300	<3300	100000
7085-19-0	MCPP	<3300	<3300	<3300	<3300	<3300	<3300	<3300	<3300	<3300	-

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Boldfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazardous Materials List (MOHML) revised (effective) 2014

Environmental & Construction Management Services, Inc.

TABLE 4

SUMMARY OF TOPSOIL/LOAM & SUBSOIL SAMPLES FOR PESTICIDES AND HERBICIDES

Cashman School
Amesbury, Massachusetts
***ECMS* Project No. 1009.073**

Sample Location		SSS-10	SSS-11	SSS-12	SSS-13	SSS-14	SSS-15	SSS-16	SSS-17	MCP
Laboratory ID		SC58794-03	SC58794-04	SC58794-05	SC58794-06	SC58794-07	SC58794-17	SC58794-08	SC58794-09	Reportable
Sample Date		7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	7/9/2020	Concentrations
Sample Depth		2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	2-6"	RCS-1
Pesticides - SW846 8081B (µg/kg)										
319-84-6	a-BHC	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	4000
319-85-7	b-BHC	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	3000
319-86-8	d-BHC	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	3000
58-89-9	g-BHC (Lindane)	<3.64	<3.69	<3.51	<3.78	<3.38	<3.73	<3.26	<3.34	50000
76-44-8	Heptachlor	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	100
309-00-2	Aldrin	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	100000
1024-57-3	Heptachlor epoxide	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	10000
959-98-8	Endosulfan I	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	700
60-57-1	Dieldrin	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	10000
72-55-9	4,4' -DDE	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	50
72-20-8	Endrin	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	500
33213-65-9	Endosulfan II	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	500
72-54-8	4,4' -DDD	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	-
1031-07-8	Endosulfan sulfate	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	8000
50-29-3	4,4' -DDT	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	10000
72-43-5	Methoxychlor	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	8000
53494-70-5	Endrin ketone	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	3000
7421-93-4	Endrin aldehyde	<9.71	<9.84	<9.36	<10.1	<9.01	<9.95	<8.71	<8.92	200
5103-71-9	alpha-Chlordane	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	90
5103-74-2	gamma-Chlordane	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	700
8001-35-2	Toxaphene	<121	<123	<117	<126	<113	<124	<109	<111	200000
57-74-9	Chlordane	<24.3	<24.6	<23.4	<25.2	<22.5	<24.9	<21.8	<22.3	10000
15972-60-8	Alachlor	<6.07	<6.15	<5.85	<6.30	<5.63	<6.22	<5.44	<5.57	-
Herbicides - SW846 8151A (µg/kg)										
93-76-5	2,4,5-T	<80	<80	<80	<80	<80	<80	<80	<80	100000
93-72-1	2,4,5-TP (Silvex)	<80	<80	<80	<80	<80	<80	<80	<80	100000
94-75-7	2,4-D	<80	<80	<80	<80	<80	<80	<80	<80	100000
94-82-6	2,4-DB	<80	<80	<80	<80	<80	<80	<80	<80	100000
75-99-0	Dalapon	<80	<80	<80	<80	<80	<80	<80	<80	1000000
1918-00-9	Dicamba	<80	<80	<80	<80	<80	<80	<80	<80	500000
120-36-5	Dichloroprop	<80	<80	<80	<80	<80	<80	<80	<80	-
88-85-7	Dinoseb	<80	<80	<80	<80	<80	<80	<80	<80	500000
94-74-6	MCPA	<3300	<3300	<3300	<3300	<3300	<3300	<3300	<3300	100000
7085-19-0	MCPP	<3300	<3300	<3300	<3300	<3300	<3300	<3300	<3300	-

< indicates less than the respective method detection limit.
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Boldfaced type indicates an exceedance.
Pursuant to MCP 310 CMR 40.0975(6)(a-c): MCP Method 1 Soil Standards, and Massachusetts Oil and Hazardous Materials List (MOHML) revised (effective) 2014

APPENDIX A

SOIL LABORATORY ANALYSIS REPORTS

eurofins | Environment Testing New England

☑ Final Report
☐ Revised Report

Report Date:
17-Jul-20 14:44

Laboratory Report
SC58794

ECMS, Inc.
639 Granite Street, Suite 407
Braintree, MA 02184
Attn: Kevin Kavanaugh

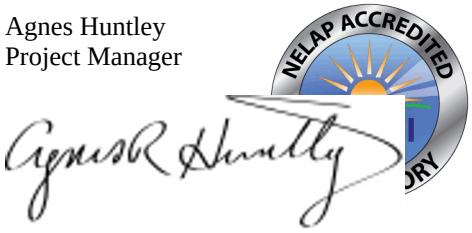
Project: Cashman School - Amesbury, MA
Project #: 1009.073

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 # RI907
New York # 11393
Rhode Island # LAI00368
USDA # P330-20-00109

Authorized by:

Agnes Huntley
Project Manager



Eurofins Environment Testing New England 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 175 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 Environment Testing New England.

Eurofins Environment Testing New England is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Environment Testing New England is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.eurofinsus.com/Spectrum for a full listing of our current certifications and fields of accreditation.

Please contact the Laboratory or Technical Director at 413-789-9018 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC58794

Project: Cashman School - Amesbury, MA

Project Number: 1009.073

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC58794-01	SS-1	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-02	SS-2	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-03	SSS-10	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-04	SSS-11	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-05	SSS-12	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-06	SSS-13	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-07	SSS-14	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-08	SSS-16	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-09	SSS-17	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-10	SSS-3	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-11	SSS-4	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-12	SSS-5	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-13	SSS-6	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-14	SSS-7	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-15	SSS-8	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-16	SSS-9	Soil	09-Jul-20 00:00	10-Jul-20 15:28
SC58794-17	SSS-15	Soil	09-Jul-20 00:00	10-Jul-20 15:28

MassDEP Analytical Protocol Certification Form

Laboratory Name: Eurofins Spectrum Analytical, Inc. **Project #:** 1009.073

Project Location: Cashman School - Amesbury, MA **RTN:**

This form provides certifications for the following data set: SC58794-01 through SC58794-17

Matrices: Soil

CAM Protocol

✓ 8260 VOC CAM II A	✓ 7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	✓ 8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
✓ 8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	✓ 8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
✓ 6010 Metals CAM III A	6020 Metals CAM III D	✓ 8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	Yes	✓ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	✓ Yes	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	✓ Yes	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	✓ Yes	No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes Yes	No No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?	✓ Yes	No

Responses to questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	✓ Yes	No

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	Yes	✓ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	✓ Yes	No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Dawn E. Wojcik

Dawn E. Wojcik
Laboratory Director
Date: 7/17/2020

CASE NARRATIVE:

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

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

The samples were received 2.3 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.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

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.

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.

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

SW8151A

Laboratory Control Samples:

537320A BSD

SW8151A

Laboratory Control Samples:

537320A BSD

Dinoseb RPD 64.3% (20%) is outside individual acceptance criteria.

CG33195-LCS

This parameter is outside laboratory rpd specified recovery limits.

Dinoseb

CG33195-LCSD

This parameter is outside laboratory rpd specified recovery limits.

Dinoseb

SW846 6010C

Laboratory Control Samples:

2001078 SRM/SRMD

Lead percent recoveries (82/86) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

Spikes:

2001078-MS1 *Source: SC58794-02*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Antimony

2001078-MSD1 *Source: SC58794-02*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Antimony

Duplicates:

2001078-DUP1 *Source: SC58794-02*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Nickel

SW846 7471B

Spikes:

2001079-MS1 *Source: SC58794-01*

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

Mercury

SW846 8081B

Laboratory Control Samples:

2001088 BS/BSD

Chlordane [2C] percent recoveries (0/0) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

Chlordane percent recoveries (0/0) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

SW846 8081B

Laboratory Control Samples:

2001088 BS/BSD

Toxaphene [2C] percent recoveries (0/0) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

Toxaphene percent recoveries (0/0) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

Samples:

SC58794-05 *SSS-12*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-06 *SSS-13*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-07 *SSS-14*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SW846 8081B

Samples:

SC58794-08 *SSS-16*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-09 *SSS-17*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-10 *SSS-3*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-11 *SSS-4*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-12 *SSS-5*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-13 *SSS-6*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-14 *SSS-7*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-15 *SSS-8*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-16 *SSS-9*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SC58794-17 *SSS-15*

The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.

SW846 8260C

Laboratory Control Samples:

2001076 BS/BSD

SW846 8260C

Laboratory Control Samples:

2001076 BS/BSD

1,1,2-Trichlorotrifluoroethane (Freon 113) percent recoveries (130/131) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

2-Butanone (MEK) percent recoveries (133/109) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

SW846 8260C

Laboratory Control Samples:

2001076 BS/BSD

2-Hexanone (MBK) percent recoveries (150/130) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

Acetone percent recoveries (121/143) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

SW846 8260C

Laboratory Control Samples:

2001076 BS/BSD

Chloroethane percent recoveries (147/137) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

Chloromethane percent recoveries (133/137) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

SW846 8260C

Laboratory Control Samples:

2001076 BS/BSD

Dichlorodifluoromethane (Freon12) percent recoveries (150/150) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

Trichlorofluoromethane (Freon 11) percent recoveries (140/138) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SS-1
SS-2
SSS-10
SSS-11
SSS-12
SSS-13
SSS-14
SSS-15
SSS-16
SSS-17
SSS-3
SSS-4
SSS-5
SSS-6
SSS-7
SSS-8
SSS-9

SW846 8270D

Laboratory Control Samples:

2001083 BSD

N-Nitrosodimethylamine RPD 32% (30%) is outside individual acceptance criteria.

Pyridine RPD 33% (30%) is outside individual acceptance criteria.

2001083-BSD1

Analyte is out of acceptance range in the QC spike but the total number of out of range analytes is within overall method criteria.

N-Nitrosodimethylamine
Pyridine

SW846 8270D

Spikes:

2001083-MS1 *Source: SC58794-01*

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.

2,4-Dinitrophenol
Aniline
Benzidine
Benzoic acid

2001083-MSD1 *Source: SC58794-01*

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.

Aniline
Benzidine

Sample Acceptance Check Form

Client:	ECMS, Inc.
Project:	Cashman School - Amesbury, MA / 1009.073
Work Order:	SC58794
Sample(s) received on:	7/10/2020

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 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: SC58794-01 **Client ID:** SS-1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	39.9		1.68	mg/kg	SW846 6010C
Barium	18.4		1.12	mg/kg	SW846 6010C
Chromium	22.6		1.12	mg/kg	SW846 6010C
Lead	8.42		1.68	mg/kg	SW846 6010C
Nickel	39.7		1.12	mg/kg	SW846 6010C
Vanadium	22.7		1.68	mg/kg	SW846 6010C
Zinc	36.3		3.35	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	24.9		14.9	mg/kg	SW846 8100Mod.

Lab ID: SC58794-02 **Client ID:** SS-2

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	55.9		1.67	mg/kg	SW846 6010C
Barium	22.5		1.12	mg/kg	SW846 6010C
Chromium	19.4		1.12	mg/kg	SW846 6010C
Lead	19.3		1.67	mg/kg	SW846 6010C
Nickel	71.4		1.12	mg/kg	SW846 6010C
Vanadium	24.5		1.67	mg/kg	SW846 6010C
Zinc	58.5		3.35	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	38.7		14.6	mg/kg	SW846 8100Mod.

Lab ID: SC58794-03 **Client ID:** SSS-10

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	25.4		1.77	mg/kg	SW846 6010C
Barium	26.5		1.18	mg/kg	SW846 6010C
Chromium	22.9		1.18	mg/kg	SW846 6010C
Lead	13.7		1.77	mg/kg	SW846 6010C
Nickel	28.2		1.18	mg/kg	SW846 6010C
Vanadium	29.6		1.77	mg/kg	SW846 6010C
Zinc	60.8		3.53	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	109		16.2	mg/kg	SW846 8100Mod.
Bis(2-ethylhexyl)phthalate	305		206	µg/kg	SW846 8270D

Lab ID: SC58794-04 **Client ID:** SSS-11

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	33.6		1.87	mg/kg	SW846 6010C
Barium	24.8		1.25	mg/kg	SW846 6010C
Chromium	23.2		1.25	mg/kg	SW846 6010C
Lead	18.9		1.87	mg/kg	SW846 6010C
Nickel	30.4		1.25	mg/kg	SW846 6010C
Vanadium	38.3		1.87	mg/kg	SW846 6010C
Zinc	43.2		3.74	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	184		16.4	mg/kg	SW846 8100Mod.

Lab ID: SC58794-05 **Client ID:** SSS-12

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	39.2		1.67	mg/kg	SW846 6010C
Barium	21.7		1.11	mg/kg	SW846 6010C
Chromium	17.4		1.11	mg/kg	SW846 6010C
Lead	19.6		1.67	mg/kg	SW846 6010C
Nickel	26.9		1.11	mg/kg	SW846 6010C
Vanadium	33.5		1.67	mg/kg	SW846 6010C
Zinc	37.9		3.34	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	180		15.9	mg/kg	SW846 8100Mod.

Lab ID: SC58794-06 **Client ID:** SSS-13

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	49.1		1.83	mg/kg	SW846 6010C
Barium	28.9		1.22	mg/kg	SW846 6010C
Chromium	23.3		1.22	mg/kg	SW846 6010C
Lead	22.7		1.83	mg/kg	SW846 6010C
Nickel	37.2		1.22	mg/kg	SW846 6010C
Vanadium	34.6		1.83	mg/kg	SW846 6010C
Zinc	49.2		3.67	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	93.0		16.5	mg/kg	SW846 8100Mod.

Lab ID: SC58794-07 **Client ID:** SSS-14

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	23.7		1.69	mg/kg	SW846 6010C
Barium	44.1		1.13	mg/kg	SW846 6010C
Chromium	36.0		1.13	mg/kg	SW846 6010C
Lead	13.7		1.69	mg/kg	SW846 6010C
Nickel	26.1		1.13	mg/kg	SW846 6010C
Vanadium	41.9		1.69	mg/kg	SW846 6010C
Zinc	44.6		3.38	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	116		15.2	mg/kg	SW846 8100Mod.

Lab ID: SC58794-08 **Client ID:** SSS-16

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	36.6		1.67	mg/kg	SW846 6010C
Barium	24.0		1.12	mg/kg	SW846 6010C
Chromium	21.7		1.12	mg/kg	SW846 6010C
Lead	17.5		1.67	mg/kg	SW846 6010C
Nickel	30.6		1.12	mg/kg	SW846 6010C
Vanadium	30.6		1.67	mg/kg	SW846 6010C
Zinc	44.3		3.35	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	93.6		14.7	mg/kg	SW846 8100Mod.

Lab ID: SC58794-09 **Client ID:** SSS-17

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	21.9		1.60	mg/kg	SW846 6010C
Barium	113		1.07	mg/kg	SW846 6010C
Chromium	19.4		1.07	mg/kg	SW846 6010C
Lead	12.1		1.60	mg/kg	SW846 6010C
Nickel	27.9		1.07	mg/kg	SW846 6010C
Vanadium	8.48		1.60	mg/kg	SW846 6010C
Zinc	61.8		3.20	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	49.7		14.5	mg/kg	SW846 8100Mod.

Lab ID: SC58794-10 **Client ID:** SSS-3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	36.6		1.80	mg/kg	SW846 6010C
Barium	30.0		1.20	mg/kg	SW846 6010C
Chromium	21.8		1.20	mg/kg	SW846 6010C
Lead	17.0		1.80	mg/kg	SW846 6010C
Nickel	33.2		1.20	mg/kg	SW846 6010C
Vanadium	30.1		1.80	mg/kg	SW846 6010C
Zinc	107		3.59	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	113		15.9	mg/kg	SW846 8100Mod.

Lab ID: SC58794-11 **Client ID:** SSS-4

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	20.5		1.62	mg/kg	SW846 6010C
Barium	29.5		1.08	mg/kg	SW846 6010C
Chromium	18.8		1.08	mg/kg	SW846 6010C
Lead	18.6		1.62	mg/kg	SW846 6010C
Nickel	20.3		1.08	mg/kg	SW846 6010C
Vanadium	24.5		1.62	mg/kg	SW846 6010C
Zinc	36.0		3.25	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	118		14.5	mg/kg	SW846 8100Mod.

Lab ID: SC58794-12 **Client ID:** SSS-5

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	53.4		1.88	mg/kg	SW846 6010C
Barium	30.3		1.25	mg/kg	SW846 6010C
Chromium	25.0		1.25	mg/kg	SW846 6010C
Lead	17.0		1.88	mg/kg	SW846 6010C
Nickel	46.2		1.25	mg/kg	SW846 6010C
Vanadium	33.9		1.88	mg/kg	SW846 6010C
Zinc	52.1		3.76	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	106		15.4	mg/kg	SW846 8100Mod.

Lab ID: SC58794-13 **Client ID:** SSS-6

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	29.6		1.69	mg/kg	SW846 6010C
Barium	28.6		1.13	mg/kg	SW846 6010C
Chromium	30.0		1.13	mg/kg	SW846 6010C
Lead	15.8		1.69	mg/kg	SW846 6010C
Nickel	25.6		1.13	mg/kg	SW846 6010C
Vanadium	35.8		1.69	mg/kg	SW846 6010C
Zinc	43.2		3.38	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	134		14.3	mg/kg	SW846 8100Mod.

Lab ID: SC58794-14 **Client ID:** SSS-7

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	48.6		1.80	mg/kg	SW846 6010C
Barium	34.6		1.20	mg/kg	SW846 6010C
Chromium	65.9		1.20	mg/kg	SW846 6010C
Lead	28.6		1.80	mg/kg	SW846 6010C
Nickel	44.8		1.20	mg/kg	SW846 6010C
Vanadium	46.7		1.80	mg/kg	SW846 6010C
Zinc	56.2		3.60	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	170		15.8	mg/kg	SW846 8100Mod.

Lab ID: SC58794-15 **Client ID:** SSS-8

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	48.7		1.87	mg/kg	SW846 6010C
Barium	33.0		1.25	mg/kg	SW846 6010C
Chromium	31.6		1.25	mg/kg	SW846 6010C
Lead	21.0		1.87	mg/kg	SW846 6010C
Nickel	47.7		1.25	mg/kg	SW846 6010C
Vanadium	36.0		1.87	mg/kg	SW846 6010C
Zinc	52.3		3.75	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	111		15.4	mg/kg	SW846 8100Mod.

Lab ID: SC58794-16 **Client ID:** SSS-9

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	82.3		1.88	mg/kg	SW846 6010C
Barium	29.1		1.26	mg/kg	SW846 6010C
Chromium	24.7		1.26	mg/kg	SW846 6010C
Lead	22.9		1.88	mg/kg	SW846 6010C
Nickel	76.0		1.26	mg/kg	SW846 6010C
Vanadium	39.4		1.88	mg/kg	SW846 6010C
Zinc	64.7		3.77	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	129		16.8	mg/kg	SW846 8100Mod.

Lab ID: SC58794-17 **Client ID:** SSS-15

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	37.8		1.90	mg/kg	SW846 6010C
Barium	46.3		1.27	mg/kg	SW846 6010C
Chromium	31.5		1.27	mg/kg	SW846 6010C
Lead	25.9		1.90	mg/kg	SW846 6010C
Nickel	37.7		1.27	mg/kg	SW846 6010C
Vanadium	36.3		1.90	mg/kg	SW846 6010C
Zinc	60.7		3.80	mg/kg	SW846 6010C
Total Petroleum Hydrocarbons	168		16.7	mg/kg	SW846 8100Mod.

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
SS-1	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-01				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 17.81 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 53.2		µg/kg dry	53.2	29.1	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 532		µg/kg dry	532	67.2	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 53.2		µg/kg dry	53.2	19.2	50	"	"	"	"	"	X
71-43-2	Benzene	< 53.2		µg/kg dry	53.2	8.51	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 53.2		µg/kg dry	53.2	12.0	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 53.2		µg/kg dry	53.2	7.60	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 53.2		µg/kg dry	53.2	13.7	50	"	"	"	"	"	X
75-25-2	Bromoform	< 53.2		µg/kg dry	53.2	11.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 106		µg/kg dry	106	26.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 106		µg/kg dry	106	24.3	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 53.2		µg/kg dry	53.2	21.3	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 53.2		µg/kg dry	53.2	16.3	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 53.2		µg/kg dry	53.2	21.7	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 106		µg/kg dry	106	19.7	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 53.2		µg/kg dry	53.2	15.9	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 53.2		µg/kg dry	53.2	6.43	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 106		µg/kg dry	106	23.7	50	"	"	"	"	"	X
67-66-3	Chloroform	< 53.2		µg/kg dry	53.2	6.27	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 106		µg/kg dry	106	63.2	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 53.2		µg/kg dry	53.2	13.2	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 53.2		µg/kg dry	53.2	9.62	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 106		µg/kg dry	106	21.0	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 53.2		µg/kg dry	53.2	8.40	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 53.2		µg/kg dry	53.2	14.5	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 53.2		µg/kg dry	53.2	10.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 53.2		µg/kg dry	53.2	9.57	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 53.2		µg/kg dry	53.2	13.2	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 53.2		µg/kg dry	53.2	9.52	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 106		µg/kg dry	106	69.5	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 53.2		µg/kg dry	53.2	12.3	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 53.2		µg/kg dry	53.2	13.9	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 53.2		µg/kg dry	53.2	13.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 53.2		µg/kg dry	53.2	17.7	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 53.2		µg/kg dry	53.2	12.1	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 53.2		µg/kg dry	53.2	18.4	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 53.2		µg/kg dry	53.2	16.8	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 53.2		µg/kg dry	53.2	14.0	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 53.2		µg/kg dry	53.2	16.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 53.2		µg/kg dry	53.2	12.5	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 53.2		µg/kg dry	53.2	21.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 53.2		µg/kg dry	53.2	11.1	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 53.2		µg/kg dry	53.2	17.0	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 106		µg/kg dry	106	35.4	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-1	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-01				

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													
							Initial weight: 17.81 g						
98-82-8	Isopropylbenzene	< 53.2		µg/kg dry	53.2	19.3	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 53.2		µg/kg dry	53.2	14.7	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 53.2		µg/kg dry	53.2	16.0	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 106		µg/kg dry	106	38.1	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 106		µg/kg dry	106	45.4	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 53.2		µg/kg dry	53.2	15.4	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 53.2		µg/kg dry	53.2	13.2	50	"	"	"	"	"	X
100-42-5	Styrene	< 53.2		µg/kg dry	53.2	7.02	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 53.2		µg/kg dry	53.2	12.8	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 53.2		µg/kg dry	53.2	16.9	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 53.2		µg/kg dry	53.2	16.7	50	"	"	"	"	"	X
108-88-3	Toluene	< 53.2		µg/kg dry	53.2	8.56	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 53.2		µg/kg dry	53.2	12.4	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 53.2		µg/kg dry	53.2	8.77	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 53.2		µg/kg dry	53.2	8.40	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 53.2		µg/kg dry	53.2	12.9	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 53.2		µg/kg dry	53.2	16.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 53.2		µg/kg dry	53.2	9.09	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 53.2		µg/kg dry	53.2	24.0	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 53.2		µg/kg dry	53.2	24.5	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 53.2		µg/kg dry	53.2	13.5	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 53.2		µg/kg dry	53.2	11.1	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 53.2		µg/kg dry	53.2	26.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 106		µg/kg dry	106	31.3	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 53.2		µg/kg dry	53.2	16.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 106		µg/kg dry	106	38.9	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 53.2		µg/kg dry	53.2	14.4	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 53.2		µg/kg dry	53.2	29.4	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 53.2		µg/kg dry	53.2	14.7	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 53.2		µg/kg dry	53.2	17.2	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1060		µg/kg dry	1060	755	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1060		µg/kg dry	1060	313	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 266		µg/kg dry	266	35.1	50	"	"	"	"	"	X
64-17-5	Ethanol	< 10600		µg/kg dry	10600	916	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 74.4		µg/kg dry	74.4	39.5	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-1	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-01				

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													
208-96-8	Acenaphthylene	< 74.4		µg/kg dry	74.4	38.8	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 368		µg/kg dry	368	23.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 74.4		µg/kg dry	74.4	42.8	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 368		µg/kg dry	368	39.9	1	"	"	"	"	"	
92-87-5	Benzidine	< 736		µg/kg dry	736	23.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 74.4		µg/kg dry	74.4	41.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 74.4		µg/kg dry	74.4	50.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 74.4		µg/kg dry	74.4	56.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 74.4		µg/kg dry	74.4	52.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 74.4		µg/kg dry	74.4	63.6	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 368		µg/kg dry	368	22.1	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 368		µg/kg dry	368	85.2	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 368		µg/kg dry	368	37.1	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 186		µg/kg dry	186	34.5	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 186		µg/kg dry	186	29.9	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 186		µg/kg dry	186	47.4	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 368		µg/kg dry	368	41.6	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 368		µg/kg dry	368	36.9	1	"	"	"	"	"	X
86-74-8	Carbazole	< 186		µg/kg dry	186	42.8	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 368		µg/kg dry	368	43.3	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 186		µg/kg dry	186	23.0	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 368		µg/kg dry	368	50.4	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 186		µg/kg dry	186	35.7	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 368		µg/kg dry	368	36.0	1	"	"	"	"	"	X
218-01-9	Chrysene	< 74.4		µg/kg dry	74.4	42.0	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 74.4		µg/kg dry	74.4	55.0	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 186		µg/kg dry	186	50.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 368		µg/kg dry	368	43.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 368		µg/kg dry	368	39.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 368		µg/kg dry	368	41.8	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 368		µg/kg dry	368	40.7	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 186		µg/kg dry	186	45.2	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 368		µg/kg dry	368	38.6	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 368		µg/kg dry	368	41.4	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 368		µg/kg dry	368	29.1	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 368		µg/kg dry	368	39.4	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 368		µg/kg dry	368	52.7	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 368		µg/kg dry	368	38.1	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 186		µg/kg dry	186	44.6	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 186		µg/kg dry	186	38.0	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 368		µg/kg dry	368	54.8	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 74.4		µg/kg dry	74.4	43.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-1	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-01				

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													
86-73-7	Fluorene	< 74.4		µg/kg dry	74.4	48.1	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 186		µg/kg dry	186	46.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 186		µg/kg dry	186	46.8	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 186		µg/kg dry	186	46.9	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 186		µg/kg dry	186	42.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 74.4		µg/kg dry	74.4	50.8	1	"	"	"	"	"	X
78-59-1	Isophorone	< 186		µg/kg dry	186	28.7	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 74.4		µg/kg dry	74.4	52.1	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 368		µg/kg dry	368	29.6	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 368		µg/kg dry	368	28.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 74.4		µg/kg dry	74.4	42.9	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 368		µg/kg dry	368	33.3	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 368		µg/kg dry	368	34.0	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 186		µg/kg dry	186	49.1	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 186		µg/kg dry	186	43.0	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 186		µg/kg dry	186	32.6	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1470		µg/kg dry	1470	49.0	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 186		µg/kg dry	186	24.3	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 186		µg/kg dry	186	32.6	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 368		µg/kg dry	368	37.5	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 368		µg/kg dry	368	43.8	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 74.4		µg/kg dry	74.4	42.2	1	"	"	"	"	"	X
108-95-2	Phenol	< 368		µg/kg dry	368	37.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 74.4		µg/kg dry	74.4	41.0	1	"	"	"	"	"	X
110-86-1	Pyridine	< 368		µg/kg dry	368	87.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 368		µg/kg dry	368	45.3	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 74.4		µg/kg dry	74.4	41.0	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 368		µg/kg dry	368	38.0	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 186		µg/kg dry	186	45.5	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 368		µg/kg dry	368	39.1	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 368		µg/kg dry	368	43.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*91*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*87*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*81*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*105*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*92*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*85*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 22.1		µg/kg dry	22.1	15.9	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 22.1		µg/kg dry	22.1	6.54	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.1		µg/kg dry	22.1	6.13	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-1	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 22.1		µg/kg dry	22.1	2.10	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 22.1		µg/kg dry	22.1	6.92	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.1		µg/kg dry	22.1	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.1		µg/kg dry	22.1	4.76	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.1		µg/kg dry	22.1	5.16	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.1		µg/kg dry	22.1	4.71	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*86*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*81*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*71*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546													
319-84-6	alpha-BHC	< 5.53		µg/kg dry	5.53	0.255	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.53		µg/kg dry	5.53	0.354	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.53		µg/kg dry	5.53	0.288	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.32		µg/kg dry	3.32	0.587	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.53		µg/kg dry	5.53	0.642	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.53		µg/kg dry	5.53	0.188	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.53		µg/kg dry	5.53	0.221	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.53		µg/kg dry	5.53	0.255	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.53		µg/kg dry	5.53	0.266	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.53		µg/kg dry	5.53	0.288	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.85		µg/kg dry	8.85	0.542	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.85		µg/kg dry	8.85	0.354	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.85		µg/kg dry	8.85	0.465	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.85		µg/kg dry	8.85	0.808	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.85		µg/kg dry	8.85	3.80	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.85		µg/kg dry	8.85	0.598	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.85		µg/kg dry	8.85	0.321	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.85		µg/kg dry	8.85	1.39	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.53		µg/kg dry	5.53	0.232	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.53		µg/kg dry	5.53	0.277	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 111		µg/kg dry	111	78.1	1	"	"	"	"	"	X
57-74-9	Chlordane	< 22.1		µg/kg dry	22.1	2.78	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.53		µg/kg dry	5.53	0.487	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*68*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-1 SC58794-01	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**24.9**		mg/kg dry	14.9	12.4	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*76*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*101*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.35		mg/kg dry	3.35	0.181	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**39.9**		mg/kg dry	1.68	0.212	1	"	"	"	"	"	X
7440-39-3	Barium	**18.4**		mg/kg dry	1.12	0.132	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.559		mg/kg dry	0.559	0.0281	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.559		mg/kg dry	0.559	0.0290	1	"	"	"	"	"	X
7440-47-3	Chromium	**22.6**		mg/kg dry	1.12	0.149	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.115		mg/kg dry	0.115	0.0096	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**39.7**		mg/kg dry	1.12	0.129	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**8.42**		mg/kg dry	1.68	0.237	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.59		mg/kg dry	5.59	0.420	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.68		mg/kg dry	1.68	0.320	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.35		mg/kg dry	3.35	1.23	1	"	"	"	"	"	X
7440-62-2	Vanadium	**22.7**		mg/kg dry	1.68	0.297	1	"	"	"	"	"	X
7440-66-6	Zinc	**36.3**		mg/kg dry	3.35	0.865	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.3**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.99**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 17:28	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*86*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-1 SC58794-01	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:30	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-02				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.55 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 57.3		µg/kg dry	57.3	31.4	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 573		µg/kg dry	573	72.4	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 57.3		µg/kg dry	57.3	20.7	50	"	"	"	"	"	X
71-43-2	Benzene	< 57.3		µg/kg dry	57.3	9.17	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 57.3		µg/kg dry	57.3	12.9	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 57.3		µg/kg dry	57.3	8.19	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 57.3		µg/kg dry	57.3	14.8	50	"	"	"	"	"	X
75-25-2	Bromoform	< 57.3		µg/kg dry	57.3	12.3	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 115		µg/kg dry	115	28.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 115		µg/kg dry	115	26.2	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 57.3		µg/kg dry	57.3	22.9	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 57.3		µg/kg dry	57.3	17.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 57.3		µg/kg dry	57.3	23.4	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 115		µg/kg dry	115	21.2	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 57.3		µg/kg dry	57.3	17.1	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 57.3		µg/kg dry	57.3	6.93	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 115		µg/kg dry	115	25.6	50	"	"	"	"	"	X
67-66-3	Chloroform	< 57.3		µg/kg dry	57.3	6.76	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 115		µg/kg dry	115	68.1	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 57.3		µg/kg dry	57.3	14.2	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 57.3		µg/kg dry	57.3	10.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 115		µg/kg dry	115	22.6	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 57.3		µg/kg dry	57.3	9.05	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 57.3		µg/kg dry	57.3	15.6	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 57.3		µg/kg dry	57.3	10.8	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 57.3		µg/kg dry	57.3	10.3	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 57.3		µg/kg dry	57.3	14.3	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 57.3		µg/kg dry	57.3	10.3	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 115		µg/kg dry	115	74.9	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 57.3		µg/kg dry	57.3	13.2	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 57.3		µg/kg dry	57.3	15.0	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 57.3		µg/kg dry	57.3	14.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 57.3		µg/kg dry	57.3	19.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 57.3		µg/kg dry	57.3	13.1	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 57.3		µg/kg dry	57.3	19.9	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 57.3		µg/kg dry	57.3	18.1	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 57.3		µg/kg dry	57.3	15.1	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 57.3		µg/kg dry	57.3	17.5	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 57.3		µg/kg dry	57.3	13.5	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 57.3		µg/kg dry	57.3	23.3	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 57.3		µg/kg dry	57.3	12.0	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 57.3		µg/kg dry	57.3	18.3	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 115		µg/kg dry	115	38.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-02				

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													
							Initial weight: 16.55 g						
98-82-8	Isopropylbenzene	< 57.3		µg/kg dry	57.3	20.8	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 57.3		µg/kg dry	57.3	15.9	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 57.3		µg/kg dry	57.3	17.2	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 115		µg/kg dry	115	41.0	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 115		µg/kg dry	115	48.9	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 57.3		µg/kg dry	57.3	16.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 57.3		µg/kg dry	57.3	14.3	50	"	"	"	"	"	X
100-42-5	Styrene	< 57.3		µg/kg dry	57.3	7.56	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 57.3		µg/kg dry	57.3	13.8	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 57.3		µg/kg dry	57.3	18.2	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 57.3		µg/kg dry	57.3	18.0	50	"	"	"	"	"	X
108-88-3	Toluene	< 57.3		µg/kg dry	57.3	9.22	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 57.3		µg/kg dry	57.3	13.3	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 57.3		µg/kg dry	57.3	9.45	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 57.3		µg/kg dry	57.3	9.05	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 57.3		µg/kg dry	57.3	13.9	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 57.3		µg/kg dry	57.3	17.7	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 57.3		µg/kg dry	57.3	9.80	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 57.3		µg/kg dry	57.3	25.9	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 57.3		µg/kg dry	57.3	26.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 57.3		µg/kg dry	57.3	14.5	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 57.3		µg/kg dry	57.3	12.0	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 57.3		µg/kg dry	57.3	28.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 115		µg/kg dry	115	33.7	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 57.3		µg/kg dry	57.3	17.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 115		µg/kg dry	115	41.9	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 57.3		µg/kg dry	57.3	15.5	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 57.3		µg/kg dry	57.3	31.7	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 57.3		µg/kg dry	57.3	15.9	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 57.3		µg/kg dry	57.3	18.5	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1150		µg/kg dry	1150	814	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1150		µg/kg dry	1150	337	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 286		µg/kg dry	286	37.8	50	"	"	"	"	"	X
64-17-5	Ethanol	< 11500		µg/kg dry	11500	987	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 74.6		µg/kg dry	74.6	39.6	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-02				

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													
208-96-8	Acenaphthylene	< 74.6		µg/kg dry	74.6	38.9	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 369		µg/kg dry	369	23.5	1	"	"	"	"	"	X
120-12-7	Anthracene	< 74.6		µg/kg dry	74.6	42.9	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 369		µg/kg dry	369	40.0	1	"	"	"	"	"	
92-87-5	Benzidine	< 738		µg/kg dry	738	23.5	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 74.6		µg/kg dry	74.6	41.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 74.6		µg/kg dry	74.6	51.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 74.6		µg/kg dry	74.6	56.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 74.6		µg/kg dry	74.6	52.6	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 74.6		µg/kg dry	74.6	63.7	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 369		µg/kg dry	369	22.1	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 369		µg/kg dry	369	85.4	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 369		µg/kg dry	369	37.2	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 187		µg/kg dry	187	34.5	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 187		µg/kg dry	187	30.0	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 187		µg/kg dry	187	47.5	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 369		µg/kg dry	369	41.7	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 369		µg/kg dry	369	37.0	1	"	"	"	"	"	X
86-74-8	Carbazole	< 187		µg/kg dry	187	42.9	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 369		µg/kg dry	369	43.4	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 187		µg/kg dry	187	23.0	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 369		µg/kg dry	369	50.5	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 187		µg/kg dry	187	35.8	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 369		µg/kg dry	369	36.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 74.6		µg/kg dry	74.6	42.1	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 74.6		µg/kg dry	74.6	55.1	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 187		µg/kg dry	187	50.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 369		µg/kg dry	369	44.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 369		µg/kg dry	369	39.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 369		µg/kg dry	369	41.9	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 369		µg/kg dry	369	40.8	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 187		µg/kg dry	187	45.3	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 369		µg/kg dry	369	38.7	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 369		µg/kg dry	369	41.5	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 369		µg/kg dry	369	29.2	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 369		µg/kg dry	369	39.5	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 369		µg/kg dry	369	52.9	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 369		µg/kg dry	369	38.2	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 187		µg/kg dry	187	44.7	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 187		µg/kg dry	187	38.1	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 369		µg/kg dry	369	54.9	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 74.6		µg/kg dry	74.6	43.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-02				

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													
86-73-7	Fluorene	< 74.6		µg/kg dry	74.6	48.2	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 187		µg/kg dry	187	46.9	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 187		µg/kg dry	187	46.9	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 187		µg/kg dry	187	47.1	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 187		µg/kg dry	187	42.1	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 74.6		µg/kg dry	74.6	51.0	1	"	"	"	"	"	X
78-59-1	Isophorone	< 187		µg/kg dry	187	28.7	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 74.6		µg/kg dry	74.6	52.2	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 369		µg/kg dry	369	29.6	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 369		µg/kg dry	369	28.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 74.6		µg/kg dry	74.6	43.0	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 369		µg/kg dry	369	33.4	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 369		µg/kg dry	369	34.1	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 187		µg/kg dry	187	49.2	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 187		µg/kg dry	187	43.1	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 187		µg/kg dry	187	32.6	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1480		µg/kg dry	1480	49.1	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 187		µg/kg dry	187	24.4	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 187		µg/kg dry	187	32.6	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 369		µg/kg dry	369	37.6	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 369		µg/kg dry	369	43.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 74.6		µg/kg dry	74.6	42.3	1	"	"	"	"	"	X
108-95-2	Phenol	< 369		µg/kg dry	369	37.3	1	"	"	"	"	"	X
129-00-0	Pyrene	< 74.6		µg/kg dry	74.6	41.1	1	"	"	"	"	"	X
110-86-1	Pyridine	< 369		µg/kg dry	369	87.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 369		µg/kg dry	369	45.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 74.6		µg/kg dry	74.6	41.1	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 369		µg/kg dry	369	38.1	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 187		µg/kg dry	187	45.6	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 369		µg/kg dry	369	39.2	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 369		µg/kg dry	369	43.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*99*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*100*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*89*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*108*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*92*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*86*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	16.0	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	6.58	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	6.16	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	2.11	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	6.95	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.3		µg/kg dry	22.3	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.3		µg/kg dry	22.3	4.79	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	5.19	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	4.74	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*89*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*87*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*78*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546													
319-84-6	alpha-BHC	< 5.56		µg/kg dry	5.56	0.256	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.56		µg/kg dry	5.56	0.356	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.56		µg/kg dry	5.56	0.289	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.34		µg/kg dry	3.34	0.590	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.56		µg/kg dry	5.56	0.645	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.56		µg/kg dry	5.56	0.189	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.56		µg/kg dry	5.56	0.223	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.56		µg/kg dry	5.56	0.256	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.56		µg/kg dry	5.56	0.267	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.56		µg/kg dry	5.56	0.289	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.90		µg/kg dry	8.90	0.545	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.90		µg/kg dry	8.90	0.356	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.90		µg/kg dry	8.90	0.467	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.90		µg/kg dry	8.90	0.812	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.90		µg/kg dry	8.90	3.82	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.90		µg/kg dry	8.90	0.601	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.90		µg/kg dry	8.90	0.323	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.90		µg/kg dry	8.90	1.40	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.56		µg/kg dry	5.56	0.234	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.56		µg/kg dry	5.56	0.278	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 111		µg/kg dry	111	78.5	1	"	"	"	"	"	X
57-74-9	Chlordane	< 22.3		µg/kg dry	22.3	2.80	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.56		µg/kg dry	5.56	0.490	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*87*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*81*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*77*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													
Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**38.7**		mg/kg dry	14.6	12.2	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*76*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*101*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.35		mg/kg dry	3.35	0.181	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**55.9**		mg/kg dry	1.67	0.212	1	"	"	"	"	"	X
7440-39-3	Barium	**22.5**		mg/kg dry	1.12	0.132	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.558		mg/kg dry	0.558	0.0280	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.558		mg/kg dry	0.558	0.0289	1	"	"	"	"	"	X
7440-47-3	Chromium	**19.4**		mg/kg dry	1.12	0.148	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.127		mg/kg dry	0.127	0.0105	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**71.4**		mg/kg dry	1.12	0.128	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**19.3**		mg/kg dry	1.67	0.236	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.58		mg/kg dry	5.58	0.419	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.67		mg/kg dry	1.67	0.319	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.35		mg/kg dry	3.35	1.23	1	"	"	"	"	"	X
7440-62-2	Vanadium	**24.5**		mg/kg dry	1.67	0.297	1	"	"	"	"	"	X
7440-66-6	Zinc	**58.5**		mg/kg dry	3.35	0.863	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.8**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**6.08**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 17:52	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*82*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2 SC58794-02	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 7		mg/kg	7	7	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:31	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-10	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-03				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.67 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 68.6		µg/kg dry	68.6	37.6	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 686		µg/kg dry	686	86.8	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 68.6		µg/kg dry	68.6	24.8	50	"	"	"	"	"	X
71-43-2	Benzene	< 68.6		µg/kg dry	68.6	11.0	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 68.6		µg/kg dry	68.6	15.5	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 68.6		µg/kg dry	68.6	9.81	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 68.6		µg/kg dry	68.6	17.7	50	"	"	"	"	"	X
75-25-2	Bromoform	< 68.6		µg/kg dry	68.6	14.7	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 137		µg/kg dry	137	33.9	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 137		µg/kg dry	137	31.4	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 68.6		µg/kg dry	68.6	27.5	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 68.6		µg/kg dry	68.6	21.1	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 68.6		µg/kg dry	68.6	28.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 137		µg/kg dry	137	25.4	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 68.6		µg/kg dry	68.6	20.5	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 68.6		µg/kg dry	68.6	8.30	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 137		µg/kg dry	137	30.6	50	"	"	"	"	"	X
67-66-3	Chloroform	< 68.6		µg/kg dry	68.6	8.10	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 137		µg/kg dry	137	81.5	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 68.6		µg/kg dry	68.6	17.0	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 68.6		µg/kg dry	68.6	12.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 137		µg/kg dry	137	27.1	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 68.6		µg/kg dry	68.6	10.8	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 68.6		µg/kg dry	68.6	18.7	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 68.6		µg/kg dry	68.6	12.9	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 68.6		µg/kg dry	68.6	12.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 68.6		µg/kg dry	68.6	17.1	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 68.6		µg/kg dry	68.6	12.3	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 137		µg/kg dry	137	89.8	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 68.6		µg/kg dry	68.6	15.9	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 68.6		µg/kg dry	68.6	18.0	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 68.6		µg/kg dry	68.6	17.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 68.6		µg/kg dry	68.6	22.9	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 68.6		µg/kg dry	68.6	15.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 68.6		µg/kg dry	68.6	23.8	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 68.6		µg/kg dry	68.6	21.7	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 68.6		µg/kg dry	68.6	18.1	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 68.6		µg/kg dry	68.6	21.0	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 68.6		µg/kg dry	68.6	16.2	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 68.6		µg/kg dry	68.6	27.9	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 68.6		µg/kg dry	68.6	14.3	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 68.6		µg/kg dry	68.6	22.0	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 137		µg/kg dry	137	45.6	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-10	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-03				

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													
						Initial weight: 16.67 g							
98-82-8	Isopropylbenzene	< 68.6		µg/kg dry	68.6	24.9	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 68.6		µg/kg dry	68.6	19.0	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 68.6		µg/kg dry	68.6	20.7	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 137		µg/kg dry	137	49.1	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 137		µg/kg dry	137	58.6	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 68.6		µg/kg dry	68.6	19.9	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 68.6		µg/kg dry	68.6	17.1	50	"	"	"	"	"	X
100-42-5	Styrene	< 68.6		µg/kg dry	68.6	9.06	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 68.6		µg/kg dry	68.6	16.5	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 68.6		µg/kg dry	68.6	21.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 68.6		µg/kg dry	68.6	21.6	50	"	"	"	"	"	X
108-88-3	Toluene	< 68.6		µg/kg dry	68.6	11.1	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 68.6		µg/kg dry	68.6	16.0	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 68.6		µg/kg dry	68.6	11.3	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 68.6		µg/kg dry	68.6	10.8	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 68.6		µg/kg dry	68.6	16.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 68.6		µg/kg dry	68.6	21.2	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 68.6		µg/kg dry	68.6	11.7	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 68.6		µg/kg dry	68.6	31.0	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 68.6		µg/kg dry	68.6	31.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 68.6		µg/kg dry	68.6	17.4	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 68.6		µg/kg dry	68.6	14.3	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 68.6		µg/kg dry	68.6	33.8	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 137		µg/kg dry	137	40.4	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 68.6		µg/kg dry	68.6	21.1	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 137		µg/kg dry	137	50.2	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 68.6		µg/kg dry	68.6	18.6	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 68.6		µg/kg dry	68.6	38.0	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 68.6		µg/kg dry	68.6	19.0	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 68.6		µg/kg dry	68.6	22.2	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1370		µg/kg dry	1370	975	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1370		µg/kg dry	1370	404	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 343		µg/kg dry	343	45.3	50	"	"	"	"	"	X
64-17-5	Ethanol	< 13700		µg/kg dry	13700	1180	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 82.3		µg/kg dry	82.3	43.7	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-10 SC58794-03	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

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													
208-96-8	Acenaphthylene	< 82.3		µg/kg dry	82.3	43.0	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 407		µg/kg dry	407	25.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 82.3		µg/kg dry	82.3	47.4	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 407		µg/kg dry	407	44.2	1	"	"	"	"	"	
92-87-5	Benzidine	< 815		µg/kg dry	815	25.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 82.3		µg/kg dry	82.3	46.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 82.3		µg/kg dry	82.3	56.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 82.3		µg/kg dry	82.3	62.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 82.3		µg/kg dry	82.3	58.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 82.3		µg/kg dry	82.3	70.4	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 407		µg/kg dry	407	24.4	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 407		µg/kg dry	407	94.3	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 407		µg/kg dry	407	41.1	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 206		µg/kg dry	206	38.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 206		µg/kg dry	206	33.1	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	**305**		µg/kg dry	206	52.5	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 407		µg/kg dry	407	46.0	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 407		µg/kg dry	407	40.9	1	"	"	"	"	"	X
86-74-8	Carbazole	< 206		µg/kg dry	206	47.4	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 407		µg/kg dry	407	47.9	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 206		µg/kg dry	206	25.4	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 407		µg/kg dry	407	55.8	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 206		µg/kg dry	206	39.5	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 407		µg/kg dry	407	39.9	1	"	"	"	"	"	X
218-01-9	Chrysene	< 82.3		µg/kg dry	82.3	46.5	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 82.3		µg/kg dry	82.3	60.9	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 206		µg/kg dry	206	55.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 407		µg/kg dry	407	48.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 407		µg/kg dry	407	43.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 407		µg/kg dry	407	46.3	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 407		µg/kg dry	407	45.1	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 206		µg/kg dry	206	50.0	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 407		µg/kg dry	407	42.7	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 407		µg/kg dry	407	45.8	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 407		µg/kg dry	407	32.2	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 407		µg/kg dry	407	43.6	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 407		µg/kg dry	407	58.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 407		µg/kg dry	407	42.2	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 206		µg/kg dry	206	49.4	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 206		µg/kg dry	206	42.1	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 407		µg/kg dry	407	60.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 82.3		µg/kg dry	82.3	48.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-10	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-03				

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													
86-73-7	Fluorene	< 82.3		µg/kg dry	82.3	53.2	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 206		µg/kg dry	206	51.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 206		µg/kg dry	206	51.8	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 206		µg/kg dry	206	52.0	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 206		µg/kg dry	206	46.5	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 82.3		µg/kg dry	82.3	56.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 206		µg/kg dry	206	31.7	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 82.3		µg/kg dry	82.3	57.6	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 407		µg/kg dry	407	32.7	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 407		µg/kg dry	407	32.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 82.3		µg/kg dry	82.3	47.5	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 407		µg/kg dry	407	36.9	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 407		µg/kg dry	407	37.6	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 206		µg/kg dry	206	54.3	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 206		µg/kg dry	206	47.6	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 206		µg/kg dry	206	36.0	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1630		µg/kg dry	1630	54.2	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 206		µg/kg dry	206	26.9	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 206		µg/kg dry	206	36.0	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 407		µg/kg dry	407	41.5	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 407		µg/kg dry	407	48.5	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 82.3		µg/kg dry	82.3	46.7	1	"	"	"	"	"	X
108-95-2	Phenol	< 407		µg/kg dry	407	41.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 82.3		µg/kg dry	82.3	45.4	1	"	"	"	"	"	X
110-86-1	Pyridine	< 407		µg/kg dry	407	96.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 407		µg/kg dry	407	50.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 82.3		µg/kg dry	82.3	45.4	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 407		µg/kg dry	407	42.1	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 206		µg/kg dry	206	50.4	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 407		µg/kg dry	407	43.3	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 407		µg/kg dry	407	48.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*94*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*105*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*88*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*106*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 24.3		µg/kg dry	24.3	17.5	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 24.3		µg/kg dry	24.3	7.18	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.3		µg/kg dry	24.3	6.73	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-10	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 24.3		µg/kg dry	24.3	2.31	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 24.3		µg/kg dry	24.3	7.59	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.3		µg/kg dry	24.3	18.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.3		µg/kg dry	24.3	5.22	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.3		µg/kg dry	24.3	5.66	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.3		µg/kg dry	24.3	5.17	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*79*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*72*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546													
319-84-6	alpha-BHC	< 6.07		µg/kg dry	6.07	0.279	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 6.07		µg/kg dry	6.07	0.389	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 6.07		µg/kg dry	6.07	0.316	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.64		µg/kg dry	3.64	0.643	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 6.07		µg/kg dry	6.07	0.704	1	"	"	"	"	"	X
309-00-2	Aldrin	< 6.07		µg/kg dry	6.07	0.206	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 6.07		µg/kg dry	6.07	0.243	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 6.07		µg/kg dry	6.07	0.279	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 6.07		µg/kg dry	6.07	0.291	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 6.07		µg/kg dry	6.07	0.316	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.71		µg/kg dry	9.71	0.595	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.71		µg/kg dry	9.71	0.389	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.71		µg/kg dry	9.71	0.510	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.71		µg/kg dry	9.71	0.886	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.71		µg/kg dry	9.71	4.16	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.71		µg/kg dry	9.71	0.656	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.71		µg/kg dry	9.71	0.352	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.71		µg/kg dry	9.71	1.53	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 6.07		µg/kg dry	6.07	0.255	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 6.07		µg/kg dry	6.07	0.304	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 121		µg/kg dry	121	85.7	1	"	"	"	"	"	X
57-74-9	Chlordane	< 24.3		µg/kg dry	24.3	3.05	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 6.07		µg/kg dry	6.07	0.534	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*87*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*83*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*71*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-10 SC58794-03	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**109**		mg/kg dry	16.2	13.5	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*76*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*100*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.53		mg/kg dry	3.53	0.191	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**25.4**		mg/kg dry	1.77	0.224	1	"	"	"	"	"	X
7440-39-3	Barium	**26.5**		mg/kg dry	1.18	0.139	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.589		mg/kg dry	0.589	0.0296	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.589		mg/kg dry	0.589	0.0305	1	"	"	"	"	"	X
7440-47-3	Chromium	**22.9**		mg/kg dry	1.18	0.157	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.117		mg/kg dry	0.117	0.0098	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**28.2**		mg/kg dry	1.18	0.135	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**13.7**		mg/kg dry	1.77	0.250	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.89		mg/kg dry	5.89	0.443	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.77		mg/kg dry	1.77	0.337	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.53		mg/kg dry	3.53	1.30	1	"	"	"	"	"	X
7440-62-2	Vanadium	**29.6**		mg/kg dry	1.77	0.313	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**60.8**		mg/kg dry	3.53	0.911	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**80.1**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**6.17**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 18:17	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*76*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-10 SC58794-03	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 7		mg/kg	7	7	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:32	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-04				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.23 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 69.3		µg/kg dry	69.3	38.0	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 693		µg/kg dry	693	87.6	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 69.3		µg/kg dry	69.3	25.0	50	"	"	"	"	"	X
71-43-2	Benzene	< 69.3		µg/kg dry	69.3	11.1	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 69.3		µg/kg dry	69.3	15.7	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 69.3		µg/kg dry	69.3	9.91	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 69.3		µg/kg dry	69.3	17.9	50	"	"	"	"	"	X
75-25-2	Bromoform	< 69.3		µg/kg dry	69.3	14.8	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 139		µg/kg dry	139	34.2	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 139		µg/kg dry	139	31.7	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 69.3		µg/kg dry	69.3	27.7	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 69.3		µg/kg dry	69.3	21.3	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 69.3		µg/kg dry	69.3	28.3	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 139		µg/kg dry	139	25.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 69.3		µg/kg dry	69.3	20.7	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 69.3		µg/kg dry	69.3	8.39	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 139		µg/kg dry	139	30.9	50	"	"	"	"	"	X
67-66-3	Chloroform	< 69.3		µg/kg dry	69.3	8.18	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 139		µg/kg dry	139	82.4	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 69.3		µg/kg dry	69.3	17.2	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 69.3		µg/kg dry	69.3	12.5	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 139		µg/kg dry	139	27.4	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 69.3		µg/kg dry	69.3	11.0	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 69.3		µg/kg dry	69.3	18.9	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 69.3		µg/kg dry	69.3	13.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 69.3		µg/kg dry	69.3	12.5	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 69.3		µg/kg dry	69.3	17.3	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 69.3		µg/kg dry	69.3	12.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 139		µg/kg dry	139	90.7	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 69.3		µg/kg dry	69.3	16.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 69.3		µg/kg dry	69.3	18.2	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 69.3		µg/kg dry	69.3	17.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 69.3		µg/kg dry	69.3	23.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 69.3		µg/kg dry	69.3	15.8	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 69.3		µg/kg dry	69.3	24.1	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 69.3		µg/kg dry	69.3	21.9	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 69.3		µg/kg dry	69.3	18.2	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 69.3		µg/kg dry	69.3	21.2	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 69.3		µg/kg dry	69.3	16.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 69.3		µg/kg dry	69.3	28.2	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 69.3		µg/kg dry	69.3	14.5	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 69.3		µg/kg dry	69.3	22.2	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 139		µg/kg dry	139	46.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-04				

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													
							Initial weight: 16.23 g						
98-82-8	Isopropylbenzene	< 69.3		µg/kg dry	69.3	25.2	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 69.3		µg/kg dry	69.3	19.2	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 69.3		µg/kg dry	69.3	20.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 139		µg/kg dry	139	49.6	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 139		µg/kg dry	139	59.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 69.3		µg/kg dry	69.3	20.1	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 69.3		µg/kg dry	69.3	17.3	50	"	"	"	"	"	X
100-42-5	Styrene	< 69.3		µg/kg dry	69.3	9.15	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 69.3		µg/kg dry	69.3	16.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 69.3		µg/kg dry	69.3	22.0	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 69.3		µg/kg dry	69.3	21.8	50	"	"	"	"	"	X
108-88-3	Toluene	< 69.3		µg/kg dry	69.3	11.2	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 69.3		µg/kg dry	69.3	16.2	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 69.3		µg/kg dry	69.3	11.4	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 69.3		µg/kg dry	69.3	11.0	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 69.3		µg/kg dry	69.3	16.8	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 69.3		µg/kg dry	69.3	21.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 69.3		µg/kg dry	69.3	11.9	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 69.3		µg/kg dry	69.3	31.3	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 69.3		µg/kg dry	69.3	32.0	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 69.3		µg/kg dry	69.3	17.5	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 69.3		µg/kg dry	69.3	14.5	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 69.3		µg/kg dry	69.3	34.1	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 139		µg/kg dry	139	40.8	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 69.3		µg/kg dry	69.3	21.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 139		µg/kg dry	139	50.7	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 69.3		µg/kg dry	69.3	18.8	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 69.3		µg/kg dry	69.3	38.3	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 69.3		µg/kg dry	69.3	19.2	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 69.3		µg/kg dry	69.3	22.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1390		µg/kg dry	1390	984	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1390		µg/kg dry	1390	408	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 347		µg/kg dry	347	45.8	50	"	"	"	"	"	X
64-17-5	Ethanol	< 13900		µg/kg dry	13900	1190	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 81.8		µg/kg dry	81.8	43.4	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-04				

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													
208-96-8	Acenaphthylene	< 81.8		µg/kg dry	81.8	42.7	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 405		µg/kg dry	405	25.7	1	"	"	"	"	"	X
120-12-7	Anthracene	< 81.8		µg/kg dry	81.8	47.1	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 405		µg/kg dry	405	43.9	1	"	"	"	"	"	
92-87-5	Benzidine	< 809		µg/kg dry	809	25.7	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 81.8		µg/kg dry	81.8	46.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 81.8		µg/kg dry	81.8	55.9	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 81.8		µg/kg dry	81.8	61.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 81.8		µg/kg dry	81.8	57.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 81.8		µg/kg dry	81.8	69.9	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 405		µg/kg dry	405	24.3	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 405		µg/kg dry	405	93.7	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 405		µg/kg dry	405	40.8	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 205		µg/kg dry	205	37.9	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 205		µg/kg dry	205	32.9	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 205		µg/kg dry	205	52.1	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 405		µg/kg dry	405	45.7	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 405		µg/kg dry	405	40.6	1	"	"	"	"	"	X
86-74-8	Carbazole	< 205		µg/kg dry	205	47.1	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 405		µg/kg dry	405	47.6	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 205		µg/kg dry	205	25.3	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 405		µg/kg dry	405	55.4	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 205		µg/kg dry	205	39.2	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 405		µg/kg dry	405	39.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 81.8		µg/kg dry	81.8	46.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 81.8		µg/kg dry	81.8	60.4	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 205		µg/kg dry	205	55.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 405		µg/kg dry	405	48.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 405		µg/kg dry	405	43.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 405		µg/kg dry	405	46.0	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 405		µg/kg dry	405	44.8	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 205		µg/kg dry	205	49.7	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 405		µg/kg dry	405	42.4	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 405		µg/kg dry	405	45.5	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 405		µg/kg dry	405	32.0	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 405		µg/kg dry	405	43.3	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 405		µg/kg dry	405	58.0	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 405		µg/kg dry	405	41.9	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 205		µg/kg dry	205	49.0	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 205		µg/kg dry	205	41.8	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 405		µg/kg dry	405	60.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 81.8		µg/kg dry	81.8	47.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-04				

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													
86-73-7	Fluorene	< 81.8		µg/kg dry	81.8	52.8	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 205		µg/kg dry	205	51.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 205		µg/kg dry	205	51.5	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 205		µg/kg dry	205	51.6	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 205		µg/kg dry	205	46.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 81.8		µg/kg dry	81.8	55.9	1	"	"	"	"	"	X
78-59-1	Isophorone	< 205		µg/kg dry	205	31.5	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 81.8		µg/kg dry	81.8	57.3	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 405		µg/kg dry	405	32.5	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 405		µg/kg dry	405	31.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 81.8		µg/kg dry	81.8	47.2	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 405		µg/kg dry	405	36.7	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 405		µg/kg dry	405	37.4	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 205		µg/kg dry	205	53.9	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 205		µg/kg dry	205	47.3	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 205		µg/kg dry	205	35.8	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1620		µg/kg dry	1620	53.8	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 205		µg/kg dry	205	26.7	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 205		µg/kg dry	205	35.8	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 405		µg/kg dry	405	41.2	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 405		µg/kg dry	405	48.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 81.8		µg/kg dry	81.8	46.3	1	"	"	"	"	"	X
108-95-2	Phenol	< 405		µg/kg dry	405	41.0	1	"	"	"	"	"	X
129-00-0	Pyrene	< 81.8		µg/kg dry	81.8	45.1	1	"	"	"	"	"	X
110-86-1	Pyridine	< 405		µg/kg dry	405	95.8	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 405		µg/kg dry	405	49.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 81.8		µg/kg dry	81.8	45.1	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 405		µg/kg dry	405	41.8	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 205		µg/kg dry	205	50.0	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 405		µg/kg dry	405	43.0	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 405		µg/kg dry	405	48.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*73*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*86*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*89*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*99*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*92*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 24.6		µg/kg dry	24.6	17.7	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 24.6		µg/kg dry	24.6	7.27	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.6		µg/kg dry	24.6	6.81	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 24.6		µg/kg dry	24.6	2.34	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 24.6		µg/kg dry	24.6	7.69	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.6		µg/kg dry	24.6	19.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.6		µg/kg dry	24.6	5.29	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.6		µg/kg dry	24.6	5.73	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.6		µg/kg dry	24.6	5.24	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*78*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*71*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546													
319-84-6	alpha-BHC	< 6.15		µg/kg dry	6.15	0.283	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 6.15		µg/kg dry	6.15	0.394	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 6.15		µg/kg dry	6.15	0.320	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.69		µg/kg dry	3.69	0.652	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 6.15		µg/kg dry	6.15	0.713	1	"	"	"	"	"	X
309-00-2	Aldrin	< 6.15		µg/kg dry	6.15	0.209	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 6.15		µg/kg dry	6.15	0.246	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 6.15		µg/kg dry	6.15	0.283	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 6.15		µg/kg dry	6.15	0.295	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 6.15		µg/kg dry	6.15	0.320	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.84		µg/kg dry	9.84	0.603	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.84		µg/kg dry	9.84	0.394	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.84		µg/kg dry	9.84	0.517	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.84		µg/kg dry	9.84	0.898	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.84		µg/kg dry	9.84	4.22	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.84		µg/kg dry	9.84	0.664	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.84		µg/kg dry	9.84	0.357	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.84		µg/kg dry	9.84	1.55	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 6.15		µg/kg dry	6.15	0.258	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 6.15		µg/kg dry	6.15	0.308	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 123		µg/kg dry	123	86.8	1	"	"	"	"	"	X
57-74-9	Chlordane	< 24.6		µg/kg dry	24.6	3.09	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 6.15		µg/kg dry	6.15	0.541	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*61*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*58*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-11 SC58794-04	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**184**		mg/kg dry	16.4	13.8	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*79*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*103*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.74		mg/kg dry	3.74	0.202	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**33.6**		mg/kg dry	1.87	0.237	1	"	"	"	"	"	X
7440-39-3	Barium	**24.8**		mg/kg dry	1.25	0.147	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.624		mg/kg dry	0.624	0.0313	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.624		mg/kg dry	0.624	0.0323	1	"	"	"	"	"	X
7440-47-3	Chromium	**23.2**		mg/kg dry	1.25	0.166	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.126		mg/kg dry	0.126	0.0105	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**30.4**		mg/kg dry	1.25	0.144	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**18.9**		mg/kg dry	1.87	0.265	1	"	"	"	"	"	X
7440-36-0	Antimony	< 6.24		mg/kg dry	6.24	0.469	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.87		mg/kg dry	1.87	0.357	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.74		mg/kg dry	3.74	1.38	1	"	"	"	"	"	X
7440-62-2	Vanadium	**38.3**		mg/kg dry	1.87	0.332	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**43.2**		mg/kg dry	3.74	0.966	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**80.6**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.47**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A										Methylation date: 13-Jul-20			
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 19:30	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*81*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-11 SC58794-04	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 9		mg/kg	9	9	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:33	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-12	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-05				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.77 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 63.7		µg/kg dry	63.7	34.9	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 637		µg/kg dry	637	80.5	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 63.7		µg/kg dry	63.7	23.0	50	"	"	"	"	"	X
71-43-2	Benzene	< 63.7		µg/kg dry	63.7	10.2	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 63.7		µg/kg dry	63.7	14.4	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 63.7		µg/kg dry	63.7	9.11	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 63.7		µg/kg dry	63.7	16.4	50	"	"	"	"	"	X
75-25-2	Bromoform	< 63.7		µg/kg dry	63.7	13.6	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 127		µg/kg dry	127	31.5	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 127		µg/kg dry	127	29.1	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 63.7		µg/kg dry	63.7	25.5	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 63.7		µg/kg dry	63.7	19.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 63.7		µg/kg dry	63.7	26.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 127		µg/kg dry	127	23.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 63.7		µg/kg dry	63.7	19.0	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 63.7		µg/kg dry	63.7	7.71	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 127		µg/kg dry	127	28.4	50	"	"	"	"	"	X
67-66-3	Chloroform	< 63.7		µg/kg dry	63.7	7.52	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 127		µg/kg dry	127	75.7	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 63.7		µg/kg dry	63.7	15.8	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 63.7		µg/kg dry	63.7	11.5	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 127		µg/kg dry	127	25.2	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 63.7		µg/kg dry	63.7	10.1	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 63.7		µg/kg dry	63.7	17.3	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 63.7		µg/kg dry	63.7	12.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 63.7		µg/kg dry	63.7	11.5	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 63.7		µg/kg dry	63.7	15.9	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 63.7		µg/kg dry	63.7	11.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 127		µg/kg dry	127	83.3	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 63.7		µg/kg dry	63.7	14.7	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 63.7		µg/kg dry	63.7	16.7	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 63.7		µg/kg dry	63.7	16.3	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 63.7		µg/kg dry	63.7	21.2	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 63.7		µg/kg dry	63.7	14.5	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 63.7		µg/kg dry	63.7	22.1	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 63.7		µg/kg dry	63.7	20.1	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 63.7		µg/kg dry	63.7	16.7	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 63.7		µg/kg dry	63.7	19.5	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 63.7		µg/kg dry	63.7	15.0	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 63.7		µg/kg dry	63.7	25.9	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 63.7		µg/kg dry	63.7	13.3	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 63.7		µg/kg dry	63.7	20.4	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 127		µg/kg dry	127	42.4	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-12	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-05				

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													
						Initial weight: 16.77 g							
98-82-8	Isopropylbenzene	< 63.7		µg/kg dry	63.7	23.1	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 63.7		µg/kg dry	63.7	17.6	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 63.7		µg/kg dry	63.7	19.2	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 127		µg/kg dry	127	45.6	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 127		µg/kg dry	127	54.4	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 63.7		µg/kg dry	63.7	18.5	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 63.7		µg/kg dry	63.7	15.9	50	"	"	"	"	"	X
100-42-5	Styrene	< 63.7		µg/kg dry	63.7	8.41	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 63.7		µg/kg dry	63.7	15.3	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 63.7		µg/kg dry	63.7	20.2	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 63.7		µg/kg dry	63.7	20.1	50	"	"	"	"	"	X
108-88-3	Toluene	< 63.7		µg/kg dry	63.7	10.3	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 63.7		µg/kg dry	63.7	14.8	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 63.7		µg/kg dry	63.7	10.5	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 63.7		µg/kg dry	63.7	10.1	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 63.7		µg/kg dry	63.7	15.4	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 63.7		µg/kg dry	63.7	19.7	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 63.7		µg/kg dry	63.7	10.9	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 63.7		µg/kg dry	63.7	28.8	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 63.7		µg/kg dry	63.7	29.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 63.7		µg/kg dry	63.7	16.1	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 63.7		µg/kg dry	63.7	13.3	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 63.7		µg/kg dry	63.7	31.3	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 127		µg/kg dry	127	37.4	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 63.7		µg/kg dry	63.7	19.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 127		µg/kg dry	127	46.6	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 63.7		µg/kg dry	63.7	17.3	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 63.7		µg/kg dry	63.7	35.2	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 63.7		µg/kg dry	63.7	17.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 63.7		µg/kg dry	63.7	20.6	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1270		µg/kg dry	1270	904	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1270		µg/kg dry	1270	375	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 318		µg/kg dry	318	42.0	50	"	"	"	"	"	X
64-17-5	Ethanol	< 12700		µg/kg dry	12700	1100	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*106*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 77.9		µg/kg dry	77.9	41.4	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-12	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-05				

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													
208-96-8	Acenaphthylene	< 77.9		µg/kg dry	77.9	40.7	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 385		µg/kg dry	385	24.5	1	"	"	"	"	"	X
120-12-7	Anthracene	< 77.9		µg/kg dry	77.9	44.9	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 385		µg/kg dry	385	41.8	1	"	"	"	"	"	
92-87-5	Benzidine	< 771		µg/kg dry	771	24.5	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 77.9		µg/kg dry	77.9	43.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 77.9		µg/kg dry	77.9	53.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 77.9		µg/kg dry	77.9	58.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 77.9		µg/kg dry	77.9	55.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 77.9		µg/kg dry	77.9	66.6	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 385		µg/kg dry	385	23.1	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 385		µg/kg dry	385	89.2	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 385		µg/kg dry	385	38.9	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 195		µg/kg dry	195	36.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 195		µg/kg dry	195	31.3	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 195		µg/kg dry	195	49.6	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 385		µg/kg dry	385	43.6	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 385		µg/kg dry	385	38.7	1	"	"	"	"	"	X
86-74-8	Carbazole	< 195		µg/kg dry	195	44.9	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 385		µg/kg dry	385	45.3	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 195		µg/kg dry	195	24.1	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 385		µg/kg dry	385	52.8	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 195		µg/kg dry	195	37.4	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 385		µg/kg dry	385	37.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 77.9		µg/kg dry	77.9	44.0	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 77.9		µg/kg dry	77.9	57.6	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 195		µg/kg dry	195	52.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 385		µg/kg dry	385	46.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 385		µg/kg dry	385	41.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 385		µg/kg dry	385	43.8	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 385		µg/kg dry	385	42.6	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 195		µg/kg dry	195	47.3	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 385		µg/kg dry	385	40.4	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 385		µg/kg dry	385	43.3	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 385		µg/kg dry	385	30.5	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 385		µg/kg dry	385	41.2	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 385		µg/kg dry	385	55.3	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 385		µg/kg dry	385	39.9	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 195		µg/kg dry	195	46.7	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 195		µg/kg dry	195	39.8	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 385		µg/kg dry	385	57.4	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 77.9		µg/kg dry	77.9	45.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-12	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-05				

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													
86-73-7	Fluorene	< 77.9		µg/kg dry	77.9	50.3	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 195		µg/kg dry	195	49.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 195		µg/kg dry	195	49.1	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 195		µg/kg dry	195	49.2	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 195		µg/kg dry	195	44.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 77.9		µg/kg dry	77.9	53.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 195		µg/kg dry	195	30.0	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 77.9		µg/kg dry	77.9	54.6	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 385		µg/kg dry	385	31.0	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 385		µg/kg dry	385	30.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 77.9		µg/kg dry	77.9	45.0	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 385		µg/kg dry	385	34.9	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 385		µg/kg dry	385	35.6	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 195		µg/kg dry	195	51.4	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 195		µg/kg dry	195	45.1	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 195		µg/kg dry	195	34.1	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1540		µg/kg dry	1540	51.3	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 195		µg/kg dry	195	25.5	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 195		µg/kg dry	195	34.1	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 385		µg/kg dry	385	39.2	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 385		µg/kg dry	385	45.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 77.9		µg/kg dry	77.9	44.2	1	"	"	"	"	"	X
108-95-2	Phenol	< 385		µg/kg dry	385	39.0	1	"	"	"	"	"	X
129-00-0	Pyrene	< 77.9		µg/kg dry	77.9	43.0	1	"	"	"	"	"	X
110-86-1	Pyridine	< 385		µg/kg dry	385	91.2	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 385		µg/kg dry	385	47.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 77.9		µg/kg dry	77.9	43.0	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 385		µg/kg dry	385	39.8	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 195		µg/kg dry	195	47.7	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 385		µg/kg dry	385	41.0	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 385		µg/kg dry	385	45.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*88*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*95*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*79*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*99*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	16.9	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	6.91	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.4		µg/kg dry	23.4	6.48	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-12	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 23.4		µg/kg dry	23.4	2.22	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 23.4		µg/kg dry	23.4	7.31	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.4		µg/kg dry	23.4	18.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.4		µg/kg dry	23.4	5.03	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.4		µg/kg dry	23.4	5.45	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.4		µg/kg dry	23.4	4.98	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*81*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*73*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.85		µg/kg dry	5.85	0.269	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.85		µg/kg dry	5.85	0.374	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.85		µg/kg dry	5.85	0.304	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.51		µg/kg dry	3.51	0.620	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.85		µg/kg dry	5.85	0.678	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.85		µg/kg dry	5.85	0.199	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.85		µg/kg dry	5.85	0.234	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.85		µg/kg dry	5.85	0.269	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.85		µg/kg dry	5.85	0.281	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.85		µg/kg dry	5.85	0.304	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.36		µg/kg dry	9.36	0.573	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.36		µg/kg dry	9.36	0.374	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.36		µg/kg dry	9.36	0.491	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.36		µg/kg dry	9.36	0.854	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.36		µg/kg dry	9.36	4.01	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.36		µg/kg dry	9.36	0.632	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.36		µg/kg dry	9.36	0.339	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.36		µg/kg dry	9.36	1.47	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.85		µg/kg dry	5.85	0.246	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.85		µg/kg dry	5.85	0.292	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 117		µg/kg dry	117	82.5	1	"	"	"	"	"	X
57-74-9	Chlordane	< 23.4		µg/kg dry	23.4	2.94	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.85		µg/kg dry	5.85	0.515	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*58*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-12 SC58794-05	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**180**		mg/kg dry	15.9	13.3	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*84*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*112*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.34		mg/kg dry	3.34	0.180	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**39.2**		mg/kg dry	1.67	0.211	1	"	"	"	"	"	X
7440-39-3	Barium	**21.7**		mg/kg dry	1.11	0.131	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.556		mg/kg dry	0.556	0.0279	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.556		mg/kg dry	0.556	0.0288	1	"	"	"	"	"	X
7440-47-3	Chromium	**17.4**		mg/kg dry	1.11	0.148	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.129		mg/kg dry	0.129	0.0107	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**26.9**		mg/kg dry	1.11	0.128	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**19.6**		mg/kg dry	1.67	0.236	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.56		mg/kg dry	5.56	0.418	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.67		mg/kg dry	1.67	0.318	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.34		mg/kg dry	3.34	1.23	1	"	"	"	"	"	X
7440-62-2	Vanadium	**33.5**		mg/kg dry	1.67	0.296	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**37.9**		mg/kg dry	3.34	0.861	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**83.3**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.71**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A										Methylation date: 13-Jul-20			
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 19:54	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*82*			*30-150 %*			"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-12 SC58794-05	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:33	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-13	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-06				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.9 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 69.5		µg/kg dry	69.5	38.1	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 695		µg/kg dry	695	87.9	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 69.5		µg/kg dry	69.5	25.1	50	"	"	"	"	"	X
71-43-2	Benzene	< 69.5		µg/kg dry	69.5	11.1	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 69.5		µg/kg dry	69.5	15.7	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 69.5		µg/kg dry	69.5	9.94	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 69.5		µg/kg dry	69.5	17.9	50	"	"	"	"	"	X
75-25-2	Bromoform	< 69.5		µg/kg dry	69.5	14.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 139		µg/kg dry	139	34.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 139		µg/kg dry	139	31.8	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 69.5		µg/kg dry	69.5	27.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 69.5		µg/kg dry	69.5	21.3	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 69.5		µg/kg dry	69.5	28.4	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 139		µg/kg dry	139	25.7	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 69.5		µg/kg dry	69.5	20.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 69.5		µg/kg dry	69.5	8.41	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 139		µg/kg dry	139	31.0	50	"	"	"	"	"	X
67-66-3	Chloroform	< 69.5		µg/kg dry	69.5	8.20	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 139		µg/kg dry	139	82.6	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 69.5		µg/kg dry	69.5	17.2	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 69.5		µg/kg dry	69.5	12.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 139		µg/kg dry	139	27.5	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 69.5		µg/kg dry	69.5	11.0	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 69.5		µg/kg dry	69.5	18.9	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 69.5		µg/kg dry	69.5	13.1	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 69.5		µg/kg dry	69.5	12.5	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 69.5		µg/kg dry	69.5	17.3	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 69.5		µg/kg dry	69.5	12.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 139		µg/kg dry	139	90.9	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 69.5		µg/kg dry	69.5	16.1	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 69.5		µg/kg dry	69.5	18.2	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 69.5		µg/kg dry	69.5	17.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 69.5		µg/kg dry	69.5	23.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 69.5		µg/kg dry	69.5	15.8	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 69.5		µg/kg dry	69.5	24.1	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 69.5		µg/kg dry	69.5	22.0	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 69.5		µg/kg dry	69.5	18.3	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 69.5		µg/kg dry	69.5	21.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 69.5		µg/kg dry	69.5	16.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 69.5		µg/kg dry	69.5	28.3	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 69.5		µg/kg dry	69.5	14.5	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 69.5		µg/kg dry	69.5	22.2	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 139		µg/kg dry	139	46.2	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-13	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-06				

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													
							Initial weight: 16.9 g						
98-82-8	Isopropylbenzene	< 69.5		µg/kg dry	69.5	25.2	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 69.5		µg/kg dry	69.5	19.3	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 69.5		µg/kg dry	69.5	20.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 139		µg/kg dry	139	49.8	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 139		µg/kg dry	139	59.4	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 69.5		µg/kg dry	69.5	20.2	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 69.5		µg/kg dry	69.5	17.3	50	"	"	"	"	"	X
100-42-5	Styrene	< 69.5		µg/kg dry	69.5	9.17	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 69.5		µg/kg dry	69.5	16.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 69.5		µg/kg dry	69.5	22.0	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 69.5		µg/kg dry	69.5	21.9	50	"	"	"	"	"	X
108-88-3	Toluene	< 69.5		µg/kg dry	69.5	11.2	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 69.5		µg/kg dry	69.5	16.2	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 69.5		µg/kg dry	69.5	11.5	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 69.5		µg/kg dry	69.5	11.0	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 69.5		µg/kg dry	69.5	16.8	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 69.5		µg/kg dry	69.5	21.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 69.5		µg/kg dry	69.5	11.9	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 69.5		µg/kg dry	69.5	31.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 69.5		µg/kg dry	69.5	32.0	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 69.5		µg/kg dry	69.5	17.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 69.5		µg/kg dry	69.5	14.5	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 69.5		µg/kg dry	69.5	34.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 139		µg/kg dry	139	40.9	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 69.5		µg/kg dry	69.5	21.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 139		µg/kg dry	139	50.8	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 69.5		µg/kg dry	69.5	18.8	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 69.5		µg/kg dry	69.5	38.4	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 69.5		µg/kg dry	69.5	19.3	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 69.5		µg/kg dry	69.5	22.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1390		µg/kg dry	1390	987	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1390		µg/kg dry	1390	409	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 348		µg/kg dry	348	45.9	50	"	"	"	"	"	X
64-17-5	Ethanol	< 13900		µg/kg dry	13900	1200	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 83.7		µg/kg dry	83.7	44.4	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-13	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-06				

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													
208-96-8	Acenaphthylene	< 83.7		µg/kg dry	83.7	43.7	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 414		µg/kg dry	414	26.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 83.7		µg/kg dry	83.7	48.2	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 414		µg/kg dry	414	44.9	1	"	"	"	"	"	
92-87-5	Benzidine	< 828		µg/kg dry	828	26.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 83.7		µg/kg dry	83.7	47.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 83.7		µg/kg dry	83.7	57.2	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 83.7		µg/kg dry	83.7	63.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 83.7		µg/kg dry	83.7	59.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 83.7		µg/kg dry	83.7	71.5	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 414		µg/kg dry	414	24.8	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 414		µg/kg dry	414	95.9	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 414		µg/kg dry	414	41.8	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 210		µg/kg dry	210	38.8	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 210		µg/kg dry	210	33.6	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 210		µg/kg dry	210	53.3	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 414		µg/kg dry	414	46.8	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 414		µg/kg dry	414	41.5	1	"	"	"	"	"	X
86-74-8	Carbazole	< 210		µg/kg dry	210	48.2	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 414		µg/kg dry	414	48.7	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 210		µg/kg dry	210	25.9	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 414		µg/kg dry	414	56.7	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 210		µg/kg dry	210	40.2	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 414		µg/kg dry	414	40.5	1	"	"	"	"	"	X
218-01-9	Chrysene	< 83.7		µg/kg dry	83.7	47.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 83.7		µg/kg dry	83.7	61.9	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 210		µg/kg dry	210	56.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 414		µg/kg dry	414	49.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 414		µg/kg dry	414	44.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 414		µg/kg dry	414	47.1	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 414		µg/kg dry	414	45.8	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 210		µg/kg dry	210	50.8	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 414		µg/kg dry	414	43.4	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 414		µg/kg dry	414	46.6	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 414		µg/kg dry	414	32.8	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 414		µg/kg dry	414	44.3	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 414		µg/kg dry	414	59.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 414		µg/kg dry	414	42.9	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 210		µg/kg dry	210	50.2	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 210		µg/kg dry	210	42.8	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 414		µg/kg dry	414	61.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 83.7		µg/kg dry	83.7	49.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-13	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-06				

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													
86-73-7	Fluorene	< 83.7		µg/kg dry	83.7	54.1	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 210		µg/kg dry	210	52.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 210		µg/kg dry	210	52.7	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 210		µg/kg dry	210	52.8	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 210		µg/kg dry	210	47.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 83.7		µg/kg dry	83.7	57.2	1	"	"	"	"	"	X
78-59-1	Isophorone	< 210		µg/kg dry	210	32.3	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 83.7		µg/kg dry	83.7	58.6	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 414		µg/kg dry	414	33.3	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 414		µg/kg dry	414	32.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 83.7		µg/kg dry	83.7	48.3	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 414		µg/kg dry	414	37.5	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 414		µg/kg dry	414	38.3	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 210		µg/kg dry	210	55.2	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 210		µg/kg dry	210	48.4	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 210		µg/kg dry	210	36.6	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1660		µg/kg dry	1660	55.1	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 210		µg/kg dry	210	27.4	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 210		µg/kg dry	210	36.6	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 414		µg/kg dry	414	42.2	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 414		µg/kg dry	414	49.3	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 83.7		µg/kg dry	83.7	47.4	1	"	"	"	"	"	X
108-95-2	Phenol	< 414		µg/kg dry	414	41.9	1	"	"	"	"	"	X
129-00-0	Pyrene	< 83.7		µg/kg dry	83.7	46.2	1	"	"	"	"	"	X
110-86-1	Pyridine	< 414		µg/kg dry	414	98.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 414		µg/kg dry	414	50.9	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 83.7		µg/kg dry	83.7	46.2	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 414		µg/kg dry	414	42.8	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 210		µg/kg dry	210	51.2	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 414		µg/kg dry	414	44.0	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 414		µg/kg dry	414	49.3	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*94*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*88*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*84*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*100*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*84*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 25.2		µg/kg dry	25.2	18.2	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 25.2		µg/kg dry	25.2	7.45	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.2		µg/kg dry	25.2	6.98	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-13	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 25.2		µg/kg dry	25.2	2.39	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 25.2		µg/kg dry	25.2	7.88	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.2		µg/kg dry	25.2	19.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.2		µg/kg dry	25.2	5.42	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.2		µg/kg dry	25.2	5.87	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.2		µg/kg dry	25.2	5.37	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*84*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*76*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 6.30		µg/kg dry	6.30	0.290	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 6.30		µg/kg dry	6.30	0.403	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 6.30		µg/kg dry	6.30	0.328	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.78		µg/kg dry	3.78	0.668	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 6.30		µg/kg dry	6.30	0.731	1	"	"	"	"	"	X
309-00-2	Aldrin	< 6.30		µg/kg dry	6.30	0.214	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 6.30		µg/kg dry	6.30	0.252	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 6.30		µg/kg dry	6.30	0.290	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 6.30		µg/kg dry	6.30	0.302	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 6.30		µg/kg dry	6.30	0.328	1	"	"	"	"	"	X
72-20-8	Endrin	< 10.1		µg/kg dry	10.1	0.618	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 10.1		µg/kg dry	10.1	0.403	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 10.1		µg/kg dry	10.1	0.529	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 10.1		µg/kg dry	10.1	0.920	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 10.1		µg/kg dry	10.1	4.32	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 10.1		µg/kg dry	10.1	0.681	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 10.1		µg/kg dry	10.1	0.365	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 10.1		µg/kg dry	10.1	1.59	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 6.30		µg/kg dry	6.30	0.265	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 6.30		µg/kg dry	6.30	0.315	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 126		µg/kg dry	126	88.9	1	"	"	"	"	"	X
57-74-9	Chlordane	< 25.2		µg/kg dry	25.2	3.17	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 6.30		µg/kg dry	6.30	0.555	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*62*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*52*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*53*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-13 SC58794-06	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**93.0**		mg/kg dry	16.5	13.8	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*78*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*105*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.67		mg/kg dry	3.67	0.198	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**49.1**		mg/kg dry	1.83	0.232	1	"	"	"	"	"	X
7440-39-3	Barium	**28.9**		mg/kg dry	1.22	0.144	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.611		mg/kg dry	0.611	0.0307	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.611		mg/kg dry	0.611	0.0316	1	"	"	"	"	"	X
7440-47-3	Chromium	**23.3**		mg/kg dry	1.22	0.163	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.133		mg/kg dry	0.133	0.0111	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**37.2**		mg/kg dry	1.22	0.141	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**22.7**		mg/kg dry	1.83	0.259	1	"	"	"	"	"	X
7440-36-0	Antimony	< 6.11		mg/kg dry	6.11	0.459	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.83		mg/kg dry	1.83	0.349	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.67		mg/kg dry	3.67	1.35	1	"	"	"	"	"	X
7440-62-2	Vanadium	**34.6**		mg/kg dry	1.83	0.325	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**49.2**		mg/kg dry	3.67	0.946	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**79.0**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**6.35**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 20:19	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*85*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-13 SC58794-06	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 7		mg/kg	7	7	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:34	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-14	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-07				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.96 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 58.5		µg/kg dry	58.5	32.0	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 585		µg/kg dry	585	73.9	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 58.5		µg/kg dry	58.5	21.1	50	"	"	"	"	"	X
71-43-2	Benzene	< 58.5		µg/kg dry	58.5	9.36	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 58.5		µg/kg dry	58.5	13.2	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 58.5		µg/kg dry	58.5	8.36	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 58.5		µg/kg dry	58.5	15.1	50	"	"	"	"	"	X
75-25-2	Bromoform	< 58.5		µg/kg dry	58.5	12.5	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 117		µg/kg dry	117	28.9	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 117		µg/kg dry	117	26.7	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 58.5		µg/kg dry	58.5	23.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 58.5		µg/kg dry	58.5	18.0	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 58.5		µg/kg dry	58.5	23.9	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 117		µg/kg dry	117	21.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 58.5		µg/kg dry	58.5	17.5	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 58.5		µg/kg dry	58.5	7.08	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 117		µg/kg dry	117	26.1	50	"	"	"	"	"	X
67-66-3	Chloroform	< 58.5		µg/kg dry	58.5	6.90	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 117		µg/kg dry	117	69.5	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 58.5		µg/kg dry	58.5	14.5	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 58.5		µg/kg dry	58.5	10.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 117		µg/kg dry	117	23.1	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 58.5		µg/kg dry	58.5	9.24	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 58.5		µg/kg dry	58.5	15.9	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 58.5		µg/kg dry	58.5	11.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 58.5		µg/kg dry	58.5	10.5	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 58.5		µg/kg dry	58.5	14.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 58.5		µg/kg dry	58.5	10.5	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 117		µg/kg dry	117	76.5	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 58.5		µg/kg dry	58.5	13.5	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 58.5		µg/kg dry	58.5	15.3	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 58.5		µg/kg dry	58.5	15.0	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 58.5		µg/kg dry	58.5	19.5	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 58.5		µg/kg dry	58.5	13.3	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 58.5		µg/kg dry	58.5	20.3	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 58.5		µg/kg dry	58.5	18.5	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 58.5		µg/kg dry	58.5	15.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 58.5		µg/kg dry	58.5	17.9	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 58.5		µg/kg dry	58.5	13.8	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 58.5		µg/kg dry	58.5	23.8	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 58.5		µg/kg dry	58.5	12.2	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 58.5		µg/kg dry	58.5	18.7	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 117		µg/kg dry	117	38.9	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-14	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-07				

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													
							Initial weight: 16.96 g						
98-82-8	Isopropylbenzene	< 58.5		µg/kg dry	58.5	21.2	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 58.5		µg/kg dry	58.5	16.2	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 58.5		µg/kg dry	58.5	17.6	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 117		µg/kg dry	117	41.9	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 117		µg/kg dry	117	49.9	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 58.5		µg/kg dry	58.5	17.0	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 58.5		µg/kg dry	58.5	14.6	50	"	"	"	"	"	X
100-42-5	Styrene	< 58.5		µg/kg dry	58.5	7.72	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 58.5		µg/kg dry	58.5	14.1	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 58.5		µg/kg dry	58.5	18.5	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 58.5		µg/kg dry	58.5	18.4	50	"	"	"	"	"	X
108-88-3	Toluene	< 58.5		µg/kg dry	58.5	9.41	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 58.5		µg/kg dry	58.5	13.6	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 58.5		µg/kg dry	58.5	9.65	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 58.5		µg/kg dry	58.5	9.24	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 58.5		µg/kg dry	58.5	14.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 58.5		µg/kg dry	58.5	18.1	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 58.5		µg/kg dry	58.5	10.0	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 58.5		µg/kg dry	58.5	26.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 58.5		µg/kg dry	58.5	27.0	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 58.5		µg/kg dry	58.5	14.8	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 58.5		µg/kg dry	58.5	12.2	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 58.5		µg/kg dry	58.5	28.8	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 117		µg/kg dry	117	34.4	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 58.5		µg/kg dry	58.5	18.0	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 117		µg/kg dry	117	42.7	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 58.5		µg/kg dry	58.5	15.8	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 58.5		µg/kg dry	58.5	32.3	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 58.5		µg/kg dry	58.5	16.2	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 58.5		µg/kg dry	58.5	18.9	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1170		µg/kg dry	1170	830	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1170		µg/kg dry	1170	344	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 292		µg/kg dry	292	38.6	50	"	"	"	"	"	X
64-17-5	Ethanol	< 11700		µg/kg dry	11700	1010	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 75.8		µg/kg dry	75.8	40.2	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-14	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-07				

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													
208-96-8	Acenaphthylene	< 75.8		µg/kg dry	75.8	39.5	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 375		µg/kg dry	375	23.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 75.8		µg/kg dry	75.8	43.6	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 375		µg/kg dry	375	40.7	1	"	"	"	"	"	
92-87-5	Benzidine	< 750		µg/kg dry	750	23.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 75.8		µg/kg dry	75.8	42.6	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 75.8		µg/kg dry	75.8	51.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 75.8		µg/kg dry	75.8	57.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 75.8		µg/kg dry	75.8	53.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 75.8		µg/kg dry	75.8	64.7	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 375		µg/kg dry	375	22.5	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 375		µg/kg dry	375	86.8	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 375		µg/kg dry	375	37.8	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 190		µg/kg dry	190	35.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 190		µg/kg dry	190	30.4	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 190		µg/kg dry	190	48.3	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 375		µg/kg dry	375	42.4	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 375		µg/kg dry	375	37.6	1	"	"	"	"	"	X
86-74-8	Carbazole	< 190		µg/kg dry	190	43.6	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 375		µg/kg dry	375	44.1	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 190		µg/kg dry	190	23.4	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 375		µg/kg dry	375	51.3	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 190		µg/kg dry	190	36.3	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 375		µg/kg dry	375	36.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 75.8		µg/kg dry	75.8	42.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 75.8		µg/kg dry	75.8	56.0	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 190		µg/kg dry	190	51.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 375		µg/kg dry	375	44.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 375		µg/kg dry	375	40.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 375		µg/kg dry	375	42.6	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 375		µg/kg dry	375	41.5	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 190		µg/kg dry	190	46.0	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 375		µg/kg dry	375	39.3	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 375		µg/kg dry	375	42.1	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 375		µg/kg dry	375	29.6	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 375		µg/kg dry	375	40.1	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 375		µg/kg dry	375	53.7	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 375		µg/kg dry	375	38.8	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 190		µg/kg dry	190	45.4	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 190		µg/kg dry	190	38.7	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 375		µg/kg dry	375	55.8	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 75.8		µg/kg dry	75.8	44.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-14	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-07				

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													
86-73-7	Fluorene	< 75.8		µg/kg dry	75.8	49.0	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 190		µg/kg dry	190	47.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 190		µg/kg dry	190	47.7	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 190		µg/kg dry	190	47.8	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 190		µg/kg dry	190	42.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 75.8		µg/kg dry	75.8	51.8	1	"	"	"	"	"	X
78-59-1	Isophorone	< 190		µg/kg dry	190	29.2	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 75.8		µg/kg dry	75.8	53.0	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 375		µg/kg dry	375	30.1	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 375		µg/kg dry	375	29.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 75.8		µg/kg dry	75.8	43.7	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 375		µg/kg dry	375	34.0	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 375		µg/kg dry	375	34.6	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 190		µg/kg dry	190	50.0	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 190		µg/kg dry	190	43.8	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 190		µg/kg dry	190	33.2	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1500		µg/kg dry	1500	49.9	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 190		µg/kg dry	190	24.8	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 190		µg/kg dry	190	33.2	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 375		µg/kg dry	375	38.2	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 375		µg/kg dry	375	44.6	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 75.8		µg/kg dry	75.8	42.9	1	"	"	"	"	"	X
108-95-2	Phenol	< 375		µg/kg dry	375	37.9	1	"	"	"	"	"	X
129-00-0	Pyrene	< 75.8		µg/kg dry	75.8	41.8	1	"	"	"	"	"	X
110-86-1	Pyridine	< 375		µg/kg dry	375	88.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 375		µg/kg dry	375	46.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 75.8		µg/kg dry	75.8	41.8	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 375		µg/kg dry	375	38.7	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 190		µg/kg dry	190	46.3	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 375		µg/kg dry	375	39.9	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 375		µg/kg dry	375	44.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*94*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*96*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*83*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*106*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*89*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*71*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 22.5		µg/kg dry	22.5	16.2	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 22.5		µg/kg dry	22.5	6.65	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.5		µg/kg dry	22.5	6.24	1	"	"	"	"	"	X

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 22.5		µg/kg dry	22.5	2.14	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 22.5		µg/kg dry	22.5	7.04	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.5		µg/kg dry	22.5	17.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.5		µg/kg dry	22.5	4.84	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.5		µg/kg dry	22.5	5.25	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.5		µg/kg dry	22.5	4.80	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*84*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.63		µg/kg dry	5.63	0.259	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.63		µg/kg dry	5.63	0.360	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.63		µg/kg dry	5.63	0.293	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.38		µg/kg dry	3.38	0.597	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.63		µg/kg dry	5.63	0.653	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.63		µg/kg dry	5.63	0.191	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.63		µg/kg dry	5.63	0.225	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.63		µg/kg dry	5.63	0.259	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.63		µg/kg dry	5.63	0.270	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.63		µg/kg dry	5.63	0.293	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.01		µg/kg dry	9.01	0.552	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.01		µg/kg dry	9.01	0.360	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.01		µg/kg dry	9.01	0.473	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.01		µg/kg dry	9.01	0.822	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.01		µg/kg dry	9.01	3.86	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.01		µg/kg dry	9.01	0.608	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.01		µg/kg dry	9.01	0.326	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.01		µg/kg dry	9.01	1.42	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.63		µg/kg dry	5.63	0.236	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.63		µg/kg dry	5.63	0.281	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 113		µg/kg dry	113	79.4	1	"	"	"	"	"	X
57-74-9	Chlordane	< 22.5		µg/kg dry	22.5	2.83	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.63		µg/kg dry	5.63	0.495	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*57*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*67*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-14 SC58794-07	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**116**		mg/kg dry	15.2	12.7	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*75*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*101*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.38		mg/kg dry	3.38	0.183	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**23.7**		mg/kg dry	1.69	0.214	1	"	"	"	"	"	X
7440-39-3	Barium	**44.1**		mg/kg dry	1.13	0.133	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.563		mg/kg dry	0.563	0.0283	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.563		mg/kg dry	0.563	0.0292	1	"	"	"	"	"	X
7440-47-3	Chromium	**36.0**		mg/kg dry	1.13	0.150	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.118		mg/kg dry	0.118	0.0098	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**26.1**		mg/kg dry	1.13	0.130	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**13.7**		mg/kg dry	1.69	0.239	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.63		mg/kg dry	5.63	0.424	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.69		mg/kg dry	1.69	0.322	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.38		mg/kg dry	3.38	1.24	1	"	"	"	"	"	X
7440-62-2	Vanadium	**41.9**		mg/kg dry	1.69	0.300	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**44.6**		mg/kg dry	3.38	0.872	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**86.9**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**6.03**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 21:33	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*81*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-14 SC58794-07	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:37	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-08				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 17.1 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 54.0		µg/kg dry	54.0	29.6	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 540		µg/kg dry	540	68.3	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 54.0		µg/kg dry	54.0	19.5	50	"	"	"	"	"	X
71-43-2	Benzene	< 54.0		µg/kg dry	54.0	8.64	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 54.0		µg/kg dry	54.0	12.2	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 54.0		µg/kg dry	54.0	7.72	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 54.0		µg/kg dry	54.0	13.9	50	"	"	"	"	"	X
75-25-2	Bromoform	< 54.0		µg/kg dry	54.0	11.6	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 108		µg/kg dry	108	26.7	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 108		µg/kg dry	108	24.7	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 54.0		µg/kg dry	54.0	21.6	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 54.0		µg/kg dry	54.0	16.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 54.0		µg/kg dry	54.0	22.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 108		µg/kg dry	108	20.0	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 54.0		µg/kg dry	54.0	16.1	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 54.0		µg/kg dry	54.0	6.53	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 108		µg/kg dry	108	24.1	50	"	"	"	"	"	X
67-66-3	Chloroform	< 54.0		µg/kg dry	54.0	6.37	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 108		µg/kg dry	108	64.1	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 54.0		µg/kg dry	54.0	13.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 54.0		µg/kg dry	54.0	9.77	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 108		µg/kg dry	108	21.3	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 54.0		µg/kg dry	54.0	8.53	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 54.0		µg/kg dry	54.0	14.7	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 54.0		µg/kg dry	54.0	10.2	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 54.0		µg/kg dry	54.0	9.72	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 54.0		µg/kg dry	54.0	13.4	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 54.0		µg/kg dry	54.0	9.67	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 108		µg/kg dry	108	70.6	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 54.0		µg/kg dry	54.0	12.5	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 54.0		µg/kg dry	54.0	14.1	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 54.0		µg/kg dry	54.0	13.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 54.0		µg/kg dry	54.0	18.0	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 54.0		µg/kg dry	54.0	12.3	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 54.0		µg/kg dry	54.0	18.7	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 54.0		µg/kg dry	54.0	17.1	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 54.0		µg/kg dry	54.0	14.2	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 54.0		µg/kg dry	54.0	16.5	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 54.0		µg/kg dry	54.0	12.7	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 54.0		µg/kg dry	54.0	22.0	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 54.0		µg/kg dry	54.0	11.3	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 54.0		µg/kg dry	54.0	17.3	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 108		µg/kg dry	108	35.9	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-08				

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													
							Initial weight: 17.1 g						
98-82-8	Isopropylbenzene	< 54.0		µg/kg dry	54.0	19.6	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 54.0		µg/kg dry	54.0	15.0	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 54.0		µg/kg dry	54.0	16.3	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 108		µg/kg dry	108	38.7	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 108		µg/kg dry	108	46.1	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 54.0		µg/kg dry	54.0	15.7	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 54.0		µg/kg dry	54.0	13.4	50	"	"	"	"	"	X
100-42-5	Styrene	< 54.0		µg/kg dry	54.0	7.13	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 54.0		µg/kg dry	54.0	13.0	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 54.0		µg/kg dry	54.0	17.1	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 54.0		µg/kg dry	54.0	17.0	50	"	"	"	"	"	X
108-88-3	Toluene	< 54.0		µg/kg dry	54.0	8.69	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 54.0		µg/kg dry	54.0	12.6	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 54.0		µg/kg dry	54.0	8.91	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 54.0		µg/kg dry	54.0	8.53	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 54.0		µg/kg dry	54.0	13.1	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 54.0		µg/kg dry	54.0	16.7	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 54.0		µg/kg dry	54.0	9.23	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 54.0		µg/kg dry	54.0	24.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 54.0		µg/kg dry	54.0	24.9	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 54.0		µg/kg dry	54.0	13.7	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 54.0		µg/kg dry	54.0	11.3	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 54.0		µg/kg dry	54.0	26.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 108		µg/kg dry	108	31.7	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 54.0		µg/kg dry	54.0	16.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 108		µg/kg dry	108	39.5	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 54.0		µg/kg dry	54.0	14.6	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 54.0		µg/kg dry	54.0	29.9	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 54.0		µg/kg dry	54.0	15.0	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 54.0		µg/kg dry	54.0	17.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1080		µg/kg dry	1080	767	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1080		µg/kg dry	1080	318	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 270		µg/kg dry	270	35.6	50	"	"	"	"	"	X
64-17-5	Ethanol	< 10800		µg/kg dry	10800	930	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 73.0		µg/kg dry	73.0	38.7	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-08				

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													
208-96-8	Acenaphthylene	< 73.0		µg/kg dry	73.0	38.1	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 361		µg/kg dry	361	23.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 73.0		µg/kg dry	73.0	42.0	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 361		µg/kg dry	361	39.2	1	"	"	"	"	"	
92-87-5	Benzidine	< 722		µg/kg dry	722	23.0	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 73.0		µg/kg dry	73.0	41.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 73.0		µg/kg dry	73.0	49.9	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 73.0		µg/kg dry	73.0	54.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 73.0		µg/kg dry	73.0	51.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 73.0		µg/kg dry	73.0	62.4	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 361		µg/kg dry	361	21.7	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 361		µg/kg dry	361	83.6	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 361		µg/kg dry	361	36.4	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 183		µg/kg dry	183	33.8	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 183		µg/kg dry	183	29.3	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 183		µg/kg dry	183	46.5	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 361		µg/kg dry	361	40.8	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 361		µg/kg dry	361	36.2	1	"	"	"	"	"	X
86-74-8	Carbazole	< 183		µg/kg dry	183	42.0	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 361		µg/kg dry	361	42.5	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 183		µg/kg dry	183	22.5	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 361		µg/kg dry	361	49.5	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 183		µg/kg dry	183	35.0	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 361		µg/kg dry	361	35.3	1	"	"	"	"	"	X
218-01-9	Chrysene	< 73.0		µg/kg dry	73.0	41.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 73.0		µg/kg dry	73.0	53.9	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 183		µg/kg dry	183	49.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 361		µg/kg dry	361	43.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 361		µg/kg dry	361	39.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 361		µg/kg dry	361	41.0	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 361		µg/kg dry	361	39.9	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 183		µg/kg dry	183	44.3	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 361		µg/kg dry	361	37.9	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 361		µg/kg dry	361	40.6	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 361		µg/kg dry	361	28.6	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 361		µg/kg dry	361	38.6	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 361		µg/kg dry	361	51.8	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 361		µg/kg dry	361	37.4	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 183		µg/kg dry	183	43.8	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 183		µg/kg dry	183	37.3	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 361		µg/kg dry	361	53.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 73.0		µg/kg dry	73.0	42.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-08				

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													
86-73-7	Fluorene	< 73.0		µg/kg dry	73.0	47.2	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 183		µg/kg dry	183	46.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 183		µg/kg dry	183	46.0	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 183		µg/kg dry	183	46.1	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 183		µg/kg dry	183	41.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 73.0		µg/kg dry	73.0	49.9	1	"	"	"	"	"	X
78-59-1	Isophorone	< 183		µg/kg dry	183	28.1	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 73.0		µg/kg dry	73.0	51.1	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 361		µg/kg dry	361	29.0	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 361		µg/kg dry	361	28.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 73.0		µg/kg dry	73.0	42.1	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 361		µg/kg dry	361	32.7	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 361		µg/kg dry	361	33.4	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 183		µg/kg dry	183	48.1	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 183		µg/kg dry	183	42.2	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 183		µg/kg dry	183	32.0	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1440		µg/kg dry	1440	48.0	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 183		µg/kg dry	183	23.9	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 183		µg/kg dry	183	32.0	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 361		µg/kg dry	361	36.8	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 361		µg/kg dry	361	43.0	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 73.0		µg/kg dry	73.0	41.4	1	"	"	"	"	"	X
108-95-2	Phenol	< 361		µg/kg dry	361	36.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 73.0		µg/kg dry	73.0	40.3	1	"	"	"	"	"	X
110-86-1	Pyridine	< 361		µg/kg dry	361	85.5	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 361		µg/kg dry	361	44.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 73.0		µg/kg dry	73.0	40.3	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 361		µg/kg dry	361	37.3	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 183		µg/kg dry	183	44.6	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 361		µg/kg dry	361	38.4	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 361		µg/kg dry	361	43.0	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*85*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*78*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*90*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*74*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 21.8		µg/kg dry	21.8	15.7	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 21.8		µg/kg dry	21.8	6.43	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.8		µg/kg dry	21.8	6.03	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 21.8		µg/kg dry	21.8	2.07	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 21.8		µg/kg dry	21.8	6.80	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.8		µg/kg dry	21.8	16.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.8		µg/kg dry	21.8	4.68	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.8		µg/kg dry	21.8	5.07	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.8		µg/kg dry	21.8	4.64	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*73*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*67*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*81*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*74*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.44		µg/kg dry	5.44	0.250	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.44		µg/kg dry	5.44	0.348	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.44		µg/kg dry	5.44	0.283	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.26		µg/kg dry	3.26	0.577	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.44		µg/kg dry	5.44	0.631	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.44		µg/kg dry	5.44	0.185	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.44		µg/kg dry	5.44	0.218	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.44		µg/kg dry	5.44	0.250	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.44		µg/kg dry	5.44	0.261	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.44		µg/kg dry	5.44	0.283	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.71		µg/kg dry	8.71	0.533	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.71		µg/kg dry	8.71	0.348	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.71		µg/kg dry	8.71	0.457	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.71		µg/kg dry	8.71	0.794	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.71		µg/kg dry	8.71	3.73	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.71		µg/kg dry	8.71	0.588	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.71		µg/kg dry	8.71	0.316	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.71		µg/kg dry	8.71	1.37	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.44		µg/kg dry	5.44	0.229	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.44		µg/kg dry	5.44	0.272	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 109		µg/kg dry	109	76.8	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.8		µg/kg dry	21.8	2.74	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.44		µg/kg dry	5.44	0.479	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*61*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*53*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													
Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**93.6**		mg/kg dry	14.7	12.3	1	SW846 8100Mod.	14-Jul-20	16-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*73*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*97*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.35		mg/kg dry	3.35	0.181	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**36.6**		mg/kg dry	1.67	0.212	1	"	"	"	"	"	X
7440-39-3	Barium	**24.0**		mg/kg dry	1.12	0.132	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.558		mg/kg dry	0.558	0.0280	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.558		mg/kg dry	0.558	0.0289	1	"	"	"	"	"	X
7440-47-3	Chromium	**21.7**		mg/kg dry	1.12	0.148	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.119		mg/kg dry	0.119	0.0099	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**30.6**		mg/kg dry	1.12	0.128	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**17.5**		mg/kg dry	1.67	0.237	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.58		mg/kg dry	5.58	0.420	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.67		mg/kg dry	1.67	0.319	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.35		mg/kg dry	3.35	1.23	1	"	"	"	"	"	X
7440-62-2	Vanadium	**30.6**		mg/kg dry	1.67	0.297	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**44.3**		mg/kg dry	3.35	0.864	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**90.3**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**6.08**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 21:57	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*84*			*30-150 %*			"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-16 SC58794-08	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:38	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-17	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-09				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 17.77 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 52.9		µg/kg dry	52.9	29.0	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 529		µg/kg dry	529	66.8	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 52.9		µg/kg dry	52.9	19.1	50	"	"	"	"	"	X
71-43-2	Benzene	< 52.9		µg/kg dry	52.9	8.46	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 52.9		µg/kg dry	52.9	12.0	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 52.9		µg/kg dry	52.9	7.56	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 52.9		µg/kg dry	52.9	13.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 52.9		µg/kg dry	52.9	11.3	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 106		µg/kg dry	106	26.1	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 106		µg/kg dry	106	24.2	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 52.9		µg/kg dry	52.9	21.2	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 52.9		µg/kg dry	52.9	16.2	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 52.9		µg/kg dry	52.9	21.6	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 106		µg/kg dry	106	19.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 52.9		µg/kg dry	52.9	15.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 52.9		µg/kg dry	52.9	6.40	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 106		µg/kg dry	106	23.6	50	"	"	"	"	"	X
67-66-3	Chloroform	< 52.9		µg/kg dry	52.9	6.24	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 106		µg/kg dry	106	62.8	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 52.9		µg/kg dry	52.9	13.1	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 52.9		µg/kg dry	52.9	9.57	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 106		µg/kg dry	106	20.9	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 52.9		µg/kg dry	52.9	8.35	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 52.9		µg/kg dry	52.9	14.4	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 52.9		µg/kg dry	52.9	9.94	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 52.9		µg/kg dry	52.9	9.52	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 52.9		µg/kg dry	52.9	13.2	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 52.9		µg/kg dry	52.9	9.47	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 106		µg/kg dry	106	69.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 52.9		µg/kg dry	52.9	12.2	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 52.9		µg/kg dry	52.9	13.9	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 52.9		µg/kg dry	52.9	13.5	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 52.9		µg/kg dry	52.9	17.6	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 52.9		µg/kg dry	52.9	12.1	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 52.9		µg/kg dry	52.9	18.3	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 52.9		µg/kg dry	52.9	16.7	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 52.9		µg/kg dry	52.9	13.9	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 52.9		µg/kg dry	52.9	16.2	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 52.9		µg/kg dry	52.9	12.5	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 52.9		µg/kg dry	52.9	21.5	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 52.9		µg/kg dry	52.9	11.1	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 52.9		µg/kg dry	52.9	16.9	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 106		µg/kg dry	106	35.2	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-17	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-09				

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													
							Initial weight: 17.77 g						
98-82-8	Isopropylbenzene	< 52.9		µg/kg dry	52.9	19.2	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 52.9		µg/kg dry	52.9	14.6	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 52.9		µg/kg dry	52.9	15.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 106		µg/kg dry	106	37.9	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 106		µg/kg dry	106	45.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 52.9		µg/kg dry	52.9	15.3	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 52.9		µg/kg dry	52.9	13.2	50	"	"	"	"	"	X
100-42-5	Styrene	< 52.9		µg/kg dry	52.9	6.98	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 52.9		µg/kg dry	52.9	12.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 52.9		µg/kg dry	52.9	16.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 52.9		µg/kg dry	52.9	16.7	50	"	"	"	"	"	X
108-88-3	Toluene	< 52.9		µg/kg dry	52.9	8.51	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 52.9		µg/kg dry	52.9	12.3	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 52.9		µg/kg dry	52.9	8.72	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 52.9		µg/kg dry	52.9	8.35	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 52.9		µg/kg dry	52.9	12.8	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 52.9		µg/kg dry	52.9	16.3	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 52.9		µg/kg dry	52.9	9.04	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 52.9		µg/kg dry	52.9	23.9	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 52.9		µg/kg dry	52.9	24.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 52.9		µg/kg dry	52.9	13.4	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 52.9		µg/kg dry	52.9	11.1	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 52.9		µg/kg dry	52.9	26.0	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 106		µg/kg dry	106	31.1	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 52.9		µg/kg dry	52.9	16.3	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 106		µg/kg dry	106	38.7	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 52.9		µg/kg dry	52.9	14.3	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 52.9		µg/kg dry	52.9	29.2	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 52.9		µg/kg dry	52.9	14.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 52.9		µg/kg dry	52.9	17.1	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1060		µg/kg dry	1060	751	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1060		µg/kg dry	1060	311	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 264		µg/kg dry	264	34.9	50	"	"	"	"	"	X
64-17-5	Ethanol	< 10600		µg/kg dry	10600	911	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 72.0		µg/kg dry	72.0	38.2	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-17	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-09				

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													
208-96-8	Acenaphthylene	< 72.0		µg/kg dry	72.0	37.6	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 356		µg/kg dry	356	22.7	1	"	"	"	"	"	X
120-12-7	Anthracene	< 72.0		µg/kg dry	72.0	41.5	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 356		µg/kg dry	356	38.7	1	"	"	"	"	"	
92-87-5	Benzidine	< 713		µg/kg dry	713	22.7	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 72.0		µg/kg dry	72.0	40.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 72.0		µg/kg dry	72.0	49.2	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 72.0		µg/kg dry	72.0	54.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 72.0		µg/kg dry	72.0	50.9	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 72.0		µg/kg dry	72.0	61.5	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 356		µg/kg dry	356	21.4	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 356		µg/kg dry	356	82.5	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 356		µg/kg dry	356	36.0	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 180		µg/kg dry	180	33.4	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 180		µg/kg dry	180	28.9	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 180		µg/kg dry	180	45.9	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 356		µg/kg dry	356	40.3	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 356		µg/kg dry	356	35.7	1	"	"	"	"	"	X
86-74-8	Carbazole	< 180		µg/kg dry	180	41.5	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 356		µg/kg dry	356	41.9	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 180		µg/kg dry	180	22.2	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 356		µg/kg dry	356	48.8	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 180		µg/kg dry	180	34.6	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 356		µg/kg dry	356	34.9	1	"	"	"	"	"	X
218-01-9	Chrysene	< 72.0		µg/kg dry	72.0	40.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 72.0		µg/kg dry	72.0	53.2	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 180		µg/kg dry	180	48.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 356		µg/kg dry	356	42.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 356		µg/kg dry	356	38.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 356		µg/kg dry	356	40.5	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 356		µg/kg dry	356	39.4	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 180		µg/kg dry	180	43.7	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 356		µg/kg dry	356	37.4	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 356		µg/kg dry	356	40.1	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 356		µg/kg dry	356	28.2	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 356		µg/kg dry	356	38.1	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 356		µg/kg dry	356	51.1	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 356		µg/kg dry	356	36.9	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 180		µg/kg dry	180	43.2	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 180		µg/kg dry	180	36.8	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 356		µg/kg dry	356	53.0	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 72.0		µg/kg dry	72.0	42.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-17	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-09				

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													
86-73-7	Fluorene	< 72.0		µg/kg dry	72.0	46.5	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 180		µg/kg dry	180	45.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 180		µg/kg dry	180	45.4	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 180		µg/kg dry	180	45.5	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 180		µg/kg dry	180	40.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 72.0		µg/kg dry	72.0	49.2	1	"	"	"	"	"	X
78-59-1	Isophorone	< 180		µg/kg dry	180	27.8	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 72.0		µg/kg dry	72.0	50.4	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 356		µg/kg dry	356	28.6	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 356		µg/kg dry	356	28.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 72.0		µg/kg dry	72.0	41.6	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 356		µg/kg dry	356	32.3	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 356		µg/kg dry	356	32.9	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 180		µg/kg dry	180	47.5	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 180		µg/kg dry	180	41.7	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 180		µg/kg dry	180	31.5	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1430		µg/kg dry	1430	47.4	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 180		µg/kg dry	180	23.5	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 180		µg/kg dry	180	31.5	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 356		µg/kg dry	356	36.3	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 356		µg/kg dry	356	42.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 72.0		µg/kg dry	72.0	40.8	1	"	"	"	"	"	X
108-95-2	Phenol	< 356		µg/kg dry	356	36.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 72.0		µg/kg dry	72.0	39.7	1	"	"	"	"	"	X
110-86-1	Pyridine	< 356		µg/kg dry	356	84.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 356		µg/kg dry	356	43.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 72.0		µg/kg dry	72.0	39.7	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 356		µg/kg dry	356	36.8	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 180		µg/kg dry	180	44.1	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 356		µg/kg dry	356	37.9	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 356		µg/kg dry	356	42.4	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*92*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*87*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*97*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*97*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*84*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	16.1	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	6.59	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	6.17	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-17	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	2.12	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	6.96	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.3		µg/kg dry	22.3	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.3		µg/kg dry	22.3	4.79	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	5.19	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	4.75	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*87*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*86*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*79*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.57		µg/kg dry	5.57	0.256	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.57		µg/kg dry	5.57	0.357	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.57		µg/kg dry	5.57	0.290	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.34		µg/kg dry	3.34	0.591	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.57		µg/kg dry	5.57	0.646	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.57		µg/kg dry	5.57	0.189	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.57		µg/kg dry	5.57	0.223	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.57		µg/kg dry	5.57	0.256	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.57		µg/kg dry	5.57	0.267	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.57		µg/kg dry	5.57	0.290	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.92		µg/kg dry	8.92	0.546	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.92		µg/kg dry	8.92	0.357	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.92		µg/kg dry	8.92	0.468	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.92		µg/kg dry	8.92	0.814	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.92		µg/kg dry	8.92	3.82	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.92		µg/kg dry	8.92	0.602	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.92		µg/kg dry	8.92	0.323	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.92		µg/kg dry	8.92	1.40	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.57		µg/kg dry	5.57	0.234	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.57		µg/kg dry	5.57	0.279	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 111		µg/kg dry	111	78.6	1	"	"	"	"	"	X
57-74-9	Chlordane	< 22.3		µg/kg dry	22.3	2.80	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.57		µg/kg dry	5.57	0.490	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*66*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*53*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*54*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-17 SC58794-09	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**49.7**		mg/kg dry	14.5	12.1	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*83*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*111*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.20		mg/kg dry	3.20	0.173	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**21.9**		mg/kg dry	1.60	0.203	1	"	"	"	"	"	X
7440-39-3	Barium	**113**		mg/kg dry	1.07	0.126	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.533		mg/kg dry	0.533	0.0268	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.533		mg/kg dry	0.533	0.0276	1	"	"	"	"	"	X
7440-47-3	Chromium	**19.4**		mg/kg dry	1.07	0.142	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.116		mg/kg dry	0.116	0.0096	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**27.9**		mg/kg dry	1.07	0.123	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**12.1**		mg/kg dry	1.60	0.226	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.33		mg/kg dry	5.33	0.401	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.60		mg/kg dry	1.60	0.305	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.20		mg/kg dry	3.20	1.18	1	"	"	"	"	"	X
7440-62-2	Vanadium	**8.48**		mg/kg dry	1.60	0.284	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**61.8**		mg/kg dry	3.20	0.826	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**89.6**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**6.11**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 22:22	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*83*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-17 SC58794-09	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:39	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-3	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-10				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.95 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 71.1		µg/kg dry	71.1	39.0	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 711		µg/kg dry	711	89.9	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 71.1		µg/kg dry	71.1	25.7	50	"	"	"	"	"	X
71-43-2	Benzene	< 71.1		µg/kg dry	71.1	11.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 71.1		µg/kg dry	71.1	16.1	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 71.1		µg/kg dry	71.1	10.2	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 71.1		µg/kg dry	71.1	18.3	50	"	"	"	"	"	X
75-25-2	Bromoform	< 71.1		µg/kg dry	71.1	15.2	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 142		µg/kg dry	142	35.1	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 142		µg/kg dry	142	32.5	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 71.1		µg/kg dry	71.1	28.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 71.1		µg/kg dry	71.1	21.8	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 71.1		µg/kg dry	71.1	29.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 142		µg/kg dry	142	26.3	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 71.1		µg/kg dry	71.1	21.3	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 71.1		µg/kg dry	71.1	8.60	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 142		µg/kg dry	142	31.7	50	"	"	"	"	"	X
67-66-3	Chloroform	< 71.1		µg/kg dry	71.1	8.39	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 142		µg/kg dry	142	84.5	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 71.1		µg/kg dry	71.1	17.6	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 71.1		µg/kg dry	71.1	12.9	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 142		µg/kg dry	142	28.1	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 71.1		µg/kg dry	71.1	11.2	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 71.1		µg/kg dry	71.1	19.3	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 71.1		µg/kg dry	71.1	13.4	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 71.1		µg/kg dry	71.1	12.8	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 71.1		µg/kg dry	71.1	17.7	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 71.1		µg/kg dry	71.1	12.7	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 142		µg/kg dry	142	93.0	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 71.1		µg/kg dry	71.1	16.4	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 71.1		µg/kg dry	71.1	18.6	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 71.1		µg/kg dry	71.1	18.2	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 71.1		µg/kg dry	71.1	23.7	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 71.1		µg/kg dry	71.1	16.2	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 71.1		µg/kg dry	71.1	24.7	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 71.1		µg/kg dry	71.1	22.5	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 71.1		µg/kg dry	71.1	18.7	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 71.1		µg/kg dry	71.1	21.8	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 71.1		µg/kg dry	71.1	16.8	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 71.1		µg/kg dry	71.1	28.9	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 71.1		µg/kg dry	71.1	14.9	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 71.1		µg/kg dry	71.1	22.8	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 142		µg/kg dry	142	47.3	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-3	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-10				

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													
							Initial weight: 14.95 g						
98-82-8	Isopropylbenzene	< 71.1		µg/kg dry	71.1	25.8	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 71.1		µg/kg dry	71.1	19.7	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 71.1		µg/kg dry	71.1	21.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 142		µg/kg dry	142	50.9	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 142		µg/kg dry	142	60.7	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 71.1		µg/kg dry	71.1	20.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 71.1		µg/kg dry	71.1	17.7	50	"	"	"	"	"	X
100-42-5	Styrene	< 71.1		µg/kg dry	71.1	9.39	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 71.1		µg/kg dry	71.1	17.1	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 71.1		µg/kg dry	71.1	22.5	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 71.1		µg/kg dry	71.1	22.4	50	"	"	"	"	"	X
108-88-3	Toluene	< 71.1		µg/kg dry	71.1	11.4	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 71.1		µg/kg dry	71.1	16.6	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 71.1		µg/kg dry	71.1	11.7	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 71.1		µg/kg dry	71.1	11.2	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 71.1		µg/kg dry	71.1	17.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 71.1		µg/kg dry	71.1	22.0	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 71.1		µg/kg dry	71.1	12.2	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 71.1		µg/kg dry	71.1	32.1	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 71.1		µg/kg dry	71.1	32.8	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 71.1		µg/kg dry	71.1	18.0	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 71.1		µg/kg dry	71.1	14.9	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 71.1		µg/kg dry	71.1	35.0	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 142		µg/kg dry	142	41.8	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 71.1		µg/kg dry	71.1	21.9	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 142		µg/kg dry	142	52.0	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 71.1		µg/kg dry	71.1	19.3	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 71.1		µg/kg dry	71.1	39.3	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 71.1		µg/kg dry	71.1	19.7	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 71.1		µg/kg dry	71.1	23.0	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1420		µg/kg dry	1420	1010	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1420		µg/kg dry	1420	419	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 356		µg/kg dry	356	46.9	50	"	"	"	"	"	X
64-17-5	Ethanol	< 14200		µg/kg dry	14200	1230	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 80.1		µg/kg dry	80.1	42.5	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-3	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-10				

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													
208-96-8	Acenaphthylene	< 80.1		µg/kg dry	80.1	41.8	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 396		µg/kg dry	396	25.2	1	"	"	"	"	"	X
120-12-7	Anthracene	< 80.1		µg/kg dry	80.1	46.1	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 396		µg/kg dry	396	43.0	1	"	"	"	"	"	
92-87-5	Benzidine	< 792		µg/kg dry	792	25.2	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 80.1		µg/kg dry	80.1	45.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 80.1		µg/kg dry	80.1	54.7	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 80.1		µg/kg dry	80.1	60.3	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 80.1		µg/kg dry	80.1	56.6	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 80.1		µg/kg dry	80.1	68.4	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 396		µg/kg dry	396	23.8	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 396		µg/kg dry	396	91.7	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 396		µg/kg dry	396	40.0	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 201		µg/kg dry	201	37.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 201		µg/kg dry	201	32.2	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 201		µg/kg dry	201	51.0	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 396		µg/kg dry	396	44.8	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 396		µg/kg dry	396	39.7	1	"	"	"	"	"	X
86-74-8	Carbazole	< 201		µg/kg dry	201	46.1	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 396		µg/kg dry	396	46.6	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 201		µg/kg dry	201	24.7	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 396		µg/kg dry	396	54.3	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 201		µg/kg dry	201	38.4	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 396		µg/kg dry	396	38.8	1	"	"	"	"	"	X
218-01-9	Chrysene	< 80.1		µg/kg dry	80.1	45.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 80.1		µg/kg dry	80.1	59.2	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 201		µg/kg dry	201	53.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 396		µg/kg dry	396	47.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 396		µg/kg dry	396	42.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 396		µg/kg dry	396	45.0	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 396		µg/kg dry	396	43.8	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 201		µg/kg dry	201	48.6	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 396		µg/kg dry	396	41.5	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 396		µg/kg dry	396	44.5	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 396		µg/kg dry	396	31.3	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 396		µg/kg dry	396	42.4	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 396		µg/kg dry	396	56.8	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 396		µg/kg dry	396	41.1	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 201		µg/kg dry	201	48.0	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 201		µg/kg dry	201	40.9	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 396		µg/kg dry	396	59.0	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 80.1		µg/kg dry	80.1	46.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-3	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-10				

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													
86-73-7	Fluorene	< 80.1		µg/kg dry	80.1	51.7	1	SW846 8270D	13-Jul-20	13-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 201		µg/kg dry	201	50.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 201		µg/kg dry	201	50.4	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 201		µg/kg dry	201	50.5	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 201		µg/kg dry	201	45.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 80.1		µg/kg dry	80.1	54.7	1	"	"	"	"	"	X
78-59-1	Isophorone	< 201		µg/kg dry	201	30.9	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 80.1		µg/kg dry	80.1	56.1	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 396		µg/kg dry	396	31.8	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 396		µg/kg dry	396	31.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 80.1		µg/kg dry	80.1	46.2	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 396		µg/kg dry	396	35.9	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 396		µg/kg dry	396	36.6	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 201		µg/kg dry	201	52.8	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 201		µg/kg dry	201	46.3	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 201		µg/kg dry	201	35.1	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1580		µg/kg dry	1580	52.7	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 201		µg/kg dry	201	26.2	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 201		µg/kg dry	201	35.1	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 396		µg/kg dry	396	40.3	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 396		µg/kg dry	396	47.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 80.1		µg/kg dry	80.1	45.4	1	"	"	"	"	"	X
108-95-2	Phenol	< 396		µg/kg dry	396	40.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 80.1		µg/kg dry	80.1	44.2	1	"	"	"	"	"	X
110-86-1	Pyridine	< 396		µg/kg dry	396	93.8	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 396		µg/kg dry	396	48.7	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 80.1		µg/kg dry	80.1	44.2	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 396		µg/kg dry	396	40.9	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 201		µg/kg dry	201	49.0	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 396		µg/kg dry	396	42.1	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 396		µg/kg dry	396	47.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*91*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*88*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*81*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*101*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*93*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*72*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 23.1		µg/kg dry	23.1	16.6	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 23.1		µg/kg dry	23.1	6.83	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.1		µg/kg dry	23.1	6.40	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-3	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 23.1		µg/kg dry	23.1	2.19	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 23.1		µg/kg dry	23.1	7.22	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.1		µg/kg dry	23.1	18.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.1		µg/kg dry	23.1	4.97	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.1		µg/kg dry	23.1	5.38	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.1		µg/kg dry	23.1	4.92	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*82*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*72*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.77		µg/kg dry	5.77	0.266	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.77		µg/kg dry	5.77	0.370	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.77		µg/kg dry	5.77	0.300	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.46		µg/kg dry	3.46	0.612	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.77		µg/kg dry	5.77	0.670	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.77		µg/kg dry	5.77	0.196	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.77		µg/kg dry	5.77	0.231	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.77		µg/kg dry	5.77	0.266	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.77		µg/kg dry	5.77	0.277	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.77		µg/kg dry	5.77	0.300	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.24		µg/kg dry	9.24	0.566	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.24		µg/kg dry	9.24	0.370	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.24		µg/kg dry	9.24	0.485	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.24		µg/kg dry	9.24	0.843	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.24		µg/kg dry	9.24	3.96	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.24		µg/kg dry	9.24	0.624	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.24		µg/kg dry	9.24	0.335	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.24		µg/kg dry	9.24	1.46	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.77		µg/kg dry	5.77	0.243	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.77		µg/kg dry	5.77	0.289	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 115		µg/kg dry	115	81.5	1	"	"	"	"	"	X
57-74-9	Chlordane	< 23.1		µg/kg dry	23.1	2.91	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.77		µg/kg dry	5.77	0.508	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*69*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*55*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-3	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													
Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**113**		mg/kg dry	15.9	13.3	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*84*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*113*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.59		mg/kg dry	3.59	0.194	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**36.6**		mg/kg dry	1.80	0.227	1	"	"	"	"	"	X
7440-39-3	Barium	**30.0**		mg/kg dry	1.20	0.141	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.598		mg/kg dry	0.598	0.0300	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.598		mg/kg dry	0.598	0.0310	1	"	"	"	"	"	X
7440-47-3	Chromium	**21.8**		mg/kg dry	1.20	0.159	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.110		mg/kg dry	0.110	0.0092	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**33.2**		mg/kg dry	1.20	0.138	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**17.0**		mg/kg dry	1.80	0.254	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.98		mg/kg dry	5.98	0.450	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.80		mg/kg dry	1.80	0.342	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.59		mg/kg dry	3.59	1.32	1	"	"	"	"	"	X
7440-62-2	Vanadium	**30.1**		mg/kg dry	1.80	0.318	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**107**		mg/kg dry	3.59	0.926	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**82.7**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**6.13**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8151A									Methylation date: 13-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	13-Jul-20	14-Jul-20 22:46	M-CT007	537166A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*80*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-3 SC58794-10	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 7		mg/kg	7	7	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:40	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-4	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-11				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.54 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 64.3		µg/kg dry	64.3	35.2	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 643		µg/kg dry	643	81.3	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 64.3		µg/kg dry	64.3	23.2	50	"	"	"	"	"	X
71-43-2	Benzene	< 64.3		µg/kg dry	64.3	10.3	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 64.3		µg/kg dry	64.3	14.5	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 64.3		µg/kg dry	64.3	9.19	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 64.3		µg/kg dry	64.3	16.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 64.3		µg/kg dry	64.3	13.8	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 129		µg/kg dry	129	31.8	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 129		µg/kg dry	129	29.4	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 64.3		µg/kg dry	64.3	25.7	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 64.3		µg/kg dry	64.3	19.7	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 64.3		µg/kg dry	64.3	26.2	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 129		µg/kg dry	129	23.8	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 64.3		µg/kg dry	64.3	19.2	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 64.3		µg/kg dry	64.3	7.78	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 129		µg/kg dry	129	28.7	50	"	"	"	"	"	X
67-66-3	Chloroform	< 64.3		µg/kg dry	64.3	7.59	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 129		µg/kg dry	129	76.4	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 64.3		µg/kg dry	64.3	15.9	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 64.3		µg/kg dry	64.3	11.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 129		µg/kg dry	129	25.4	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 64.3		µg/kg dry	64.3	10.2	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 64.3		µg/kg dry	64.3	17.5	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 64.3		µg/kg dry	64.3	12.1	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 64.3		µg/kg dry	64.3	11.6	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 64.3		µg/kg dry	64.3	16.0	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 64.3		µg/kg dry	64.3	11.5	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 129		µg/kg dry	129	84.1	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 64.3		µg/kg dry	64.3	14.9	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 64.3		µg/kg dry	64.3	16.8	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 64.3		µg/kg dry	64.3	16.5	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 64.3		µg/kg dry	64.3	21.4	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 64.3		µg/kg dry	64.3	14.7	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 64.3		µg/kg dry	64.3	22.3	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 64.3		µg/kg dry	64.3	20.3	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 64.3		µg/kg dry	64.3	16.9	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 64.3		µg/kg dry	64.3	19.7	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 64.3		µg/kg dry	64.3	15.2	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 64.3		µg/kg dry	64.3	26.2	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 64.3		µg/kg dry	64.3	13.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 64.3		µg/kg dry	64.3	20.6	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 129		µg/kg dry	129	42.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-4	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-11				

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													
							Initial weight: 14.54 g						
98-82-8	Isopropylbenzene	< 64.3		µg/kg dry	64.3	23.3	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 64.3		µg/kg dry	64.3	17.8	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 64.3		µg/kg dry	64.3	19.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 129		µg/kg dry	129	46.0	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 129		µg/kg dry	129	54.9	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 64.3		µg/kg dry	64.3	18.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 64.3		µg/kg dry	64.3	16.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 64.3		µg/kg dry	64.3	8.49	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 64.3		µg/kg dry	64.3	15.5	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 64.3		µg/kg dry	64.3	20.4	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 64.3		µg/kg dry	64.3	20.3	50	"	"	"	"	"	X
108-88-3	Toluene	< 64.3		µg/kg dry	64.3	10.4	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 64.3		µg/kg dry	64.3	15.0	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 64.3		µg/kg dry	64.3	10.6	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 64.3		µg/kg dry	64.3	10.2	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 64.3		µg/kg dry	64.3	15.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 64.3		µg/kg dry	64.3	19.9	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 64.3		µg/kg dry	64.3	11.0	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 64.3		µg/kg dry	64.3	29.1	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 64.3		µg/kg dry	64.3	29.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 64.3		µg/kg dry	64.3	16.3	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 64.3		µg/kg dry	64.3	13.4	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 64.3		µg/kg dry	64.3	31.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 129		µg/kg dry	129	37.8	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 64.3		µg/kg dry	64.3	19.8	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 129		µg/kg dry	129	47.0	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 64.3		µg/kg dry	64.3	17.4	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 64.3		µg/kg dry	64.3	35.6	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 64.3		µg/kg dry	64.3	17.8	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 64.3		µg/kg dry	64.3	20.8	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1290		µg/kg dry	1290	913	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1290		µg/kg dry	1290	379	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 321		µg/kg dry	321	42.4	50	"	"	"	"	"	X
64-17-5	Ethanol	< 12900		µg/kg dry	12900	1110	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 74.3		µg/kg dry	74.3	39.4	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-4	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-11				

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													
208-96-8	Acenaphthylene	< 74.3		µg/kg dry	74.3	38.7	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 367		µg/kg dry	367	23.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 74.3		µg/kg dry	74.3	42.8	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 367		µg/kg dry	367	39.9	1	"	"	"	"	"	
92-87-5	Benzidine	< 735		µg/kg dry	735	23.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 74.3		µg/kg dry	74.3	41.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 74.3		µg/kg dry	74.3	50.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 74.3		µg/kg dry	74.3	55.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 74.3		µg/kg dry	74.3	52.4	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 74.3		µg/kg dry	74.3	63.5	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 367		µg/kg dry	367	22.0	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 367		µg/kg dry	367	85.1	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 367		µg/kg dry	367	37.1	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 186		µg/kg dry	186	34.4	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 186		µg/kg dry	186	29.8	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 186		µg/kg dry	186	47.3	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 367		µg/kg dry	367	41.5	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 367		µg/kg dry	367	36.9	1	"	"	"	"	"	X
86-74-8	Carbazole	< 186		µg/kg dry	186	42.8	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 367		µg/kg dry	367	43.2	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 186		µg/kg dry	186	22.9	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 367		µg/kg dry	367	50.3	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 186		µg/kg dry	186	35.6	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 367		µg/kg dry	367	36.0	1	"	"	"	"	"	X
218-01-9	Chrysene	< 74.3		µg/kg dry	74.3	42.0	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 74.3		µg/kg dry	74.3	54.9	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 186		µg/kg dry	186	50.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 367		µg/kg dry	367	43.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 367		µg/kg dry	367	39.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 367		µg/kg dry	367	41.8	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 367		µg/kg dry	367	40.6	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 186		µg/kg dry	186	45.1	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 367		µg/kg dry	367	38.5	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 367		µg/kg dry	367	41.3	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 367		µg/kg dry	367	29.1	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 367		µg/kg dry	367	39.3	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 367		µg/kg dry	367	52.7	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 367		µg/kg dry	367	38.1	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 186		µg/kg dry	186	44.5	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 186		µg/kg dry	186	38.0	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 367		µg/kg dry	367	54.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 74.3		µg/kg dry	74.3	43.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-4 SC58794-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

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													
86-73-7	Fluorene	< 74.3		µg/kg dry	74.3	48.0	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 186		µg/kg dry	186	46.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 186		µg/kg dry	186	46.8	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 186		µg/kg dry	186	46.9	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 186		µg/kg dry	186	42.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 74.3		µg/kg dry	74.3	50.8	1	"	"	"	"	"	X
78-59-1	Isophorone	< 186		µg/kg dry	186	28.6	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 74.3		µg/kg dry	74.3	52.0	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 367		µg/kg dry	367	29.5	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 367		µg/kg dry	367	28.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 74.3		µg/kg dry	74.3	42.9	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 367		µg/kg dry	367	33.3	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 367		µg/kg dry	367	34.0	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 186		µg/kg dry	186	49.0	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 186		µg/kg dry	186	43.0	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 186		µg/kg dry	186	32.5	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1470		µg/kg dry	1470	48.9	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 186		µg/kg dry	186	24.3	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 186		µg/kg dry	186	32.5	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 367		µg/kg dry	367	37.4	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 367		µg/kg dry	367	43.8	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 74.3		µg/kg dry	74.3	42.1	1	"	"	"	"	"	X
108-95-2	Phenol	< 367		µg/kg dry	367	37.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 74.3		µg/kg dry	74.3	41.0	1	"	"	"	"	"	X
110-86-1	Pyridine	< 367		µg/kg dry	367	87.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 367		µg/kg dry	367	45.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 74.3		µg/kg dry	74.3	41.0	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 367		µg/kg dry	367	38.0	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 186		µg/kg dry	186	45.4	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 367		µg/kg dry	367	39.1	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 367		µg/kg dry	367	43.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*74*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*86*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*74*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	15.5	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	6.36	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	5.96	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-4	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-11				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	2.04	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 21.5		µg/kg dry	21.5	6.72	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.5		µg/kg dry	21.5	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.5		µg/kg dry	21.5	4.62	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	5.01	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	4.58	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*88*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides			Z-2										
Prepared by method SW846 3546													
319-84-6	alpha-BHC	< 5.38		µg/kg dry	5.38	0.247	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.38		µg/kg dry	5.38	0.344	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.38		µg/kg dry	5.38	0.280	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.23		µg/kg dry	3.23	0.570	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.38		µg/kg dry	5.38	0.624	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.38		µg/kg dry	5.38	0.183	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.38		µg/kg dry	5.38	0.215	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.38		µg/kg dry	5.38	0.247	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.38		µg/kg dry	5.38	0.258	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.38		µg/kg dry	5.38	0.280	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.60		µg/kg dry	8.60	0.527	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.60		µg/kg dry	8.60	0.344	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.60		µg/kg dry	8.60	0.452	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.60		µg/kg dry	8.60	0.785	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.60		µg/kg dry	8.60	3.69	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.60		µg/kg dry	8.60	0.581	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.60		µg/kg dry	8.60	0.312	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.60		µg/kg dry	8.60	1.36	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.38		µg/kg dry	5.38	0.226	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.38		µg/kg dry	5.38	0.269	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 108		µg/kg dry	108	75.9	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.5		µg/kg dry	21.5	2.71	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.38		µg/kg dry	5.38	0.473	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*73*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*55*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*51*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-4 SC58794-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**118**		mg/kg dry	14.5	12.1	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*76*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*102*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.25		mg/kg dry	3.25	0.175	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**20.5**		mg/kg dry	1.62	0.206	1	"	"	"	"	"	X
7440-39-3	Barium	**29.5**		mg/kg dry	1.08	0.128	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.541		mg/kg dry	0.541	0.0272	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.541		mg/kg dry	0.541	0.0280	1	"	"	"	"	"	X
7440-47-3	Chromium	**18.8**		mg/kg dry	1.08	0.144	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.116		mg/kg dry	0.116	0.0097	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**20.3**		mg/kg dry	1.08	0.125	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**18.6**		mg/kg dry	1.62	0.230	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.41		mg/kg dry	5.41	0.407	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.62		mg/kg dry	1.62	0.310	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.25		mg/kg dry	3.25	1.19	1	"	"	"	"	"	X
7440-62-2	Vanadium	**24.5**		mg/kg dry	1.62	0.288	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**36.0**		mg/kg dry	3.25	0.838	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**88.9**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.58**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 14-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	14-Jul-20	15-Jul-20 17:03	M-CT007	537320A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*92*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-4 SC58794-11	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:41	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-5	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-12				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 15.08 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 66.2		µg/kg dry	66.2	36.3	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 662		µg/kg dry	662	83.7	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 66.2		µg/kg dry	66.2	23.9	50	"	"	"	"	"	X
71-43-2	Benzene	< 66.2		µg/kg dry	66.2	10.6	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 66.2		µg/kg dry	66.2	15.0	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 66.2		µg/kg dry	66.2	9.47	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 66.2		µg/kg dry	66.2	17.1	50	"	"	"	"	"	X
75-25-2	Bromoform	< 66.2		µg/kg dry	66.2	14.2	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 132		µg/kg dry	132	32.7	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 132		µg/kg dry	132	30.3	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 66.2		µg/kg dry	66.2	26.5	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 66.2		µg/kg dry	66.2	20.3	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 66.2		µg/kg dry	66.2	27.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 132		µg/kg dry	132	24.5	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 66.2		µg/kg dry	66.2	19.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 66.2		µg/kg dry	66.2	8.02	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 132		µg/kg dry	132	29.5	50	"	"	"	"	"	X
67-66-3	Chloroform	< 66.2		µg/kg dry	66.2	7.82	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 132		µg/kg dry	132	78.7	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 66.2		µg/kg dry	66.2	16.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 66.2		µg/kg dry	66.2	12.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 132		µg/kg dry	132	26.2	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 66.2		µg/kg dry	66.2	10.5	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 66.2		µg/kg dry	66.2	18.0	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 66.2		µg/kg dry	66.2	12.5	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 66.2		µg/kg dry	66.2	11.9	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 66.2		µg/kg dry	66.2	16.5	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 66.2		µg/kg dry	66.2	11.9	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 132		µg/kg dry	132	86.6	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 66.2		µg/kg dry	66.2	15.3	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 66.2		µg/kg dry	66.2	17.4	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 66.2		µg/kg dry	66.2	17.0	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 66.2		µg/kg dry	66.2	22.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 66.2		µg/kg dry	66.2	15.1	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 66.2		µg/kg dry	66.2	23.0	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 66.2		µg/kg dry	66.2	20.9	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 66.2		µg/kg dry	66.2	17.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 66.2		µg/kg dry	66.2	20.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 66.2		µg/kg dry	66.2	15.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 66.2		µg/kg dry	66.2	27.0	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 66.2		µg/kg dry	66.2	13.8	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 66.2		µg/kg dry	66.2	21.2	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 132		µg/kg dry	132	44.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-5	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-12				

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													
							Initial weight: 15.08 g						
98-82-8	Isopropylbenzene	< 66.2		µg/kg dry	66.2	24.0	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 66.2		µg/kg dry	66.2	18.3	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 66.2		µg/kg dry	66.2	19.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 132		µg/kg dry	132	47.4	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 132		µg/kg dry	132	56.6	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 66.2		µg/kg dry	66.2	19.2	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 66.2		µg/kg dry	66.2	16.5	50	"	"	"	"	"	X
100-42-5	Styrene	< 66.2		µg/kg dry	66.2	8.74	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 66.2		µg/kg dry	66.2	16.0	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 66.2		µg/kg dry	66.2	21.0	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 66.2		µg/kg dry	66.2	20.9	50	"	"	"	"	"	X
108-88-3	Toluene	< 66.2		µg/kg dry	66.2	10.7	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 66.2		µg/kg dry	66.2	15.4	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 66.2		µg/kg dry	66.2	10.9	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 66.2		µg/kg dry	66.2	10.5	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 66.2		µg/kg dry	66.2	16.0	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 66.2		µg/kg dry	66.2	20.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 66.2		µg/kg dry	66.2	11.3	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 66.2		µg/kg dry	66.2	29.9	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 66.2		µg/kg dry	66.2	30.5	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 66.2		µg/kg dry	66.2	16.8	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 66.2		µg/kg dry	66.2	13.8	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 66.2		µg/kg dry	66.2	32.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 132		µg/kg dry	132	39.0	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 66.2		µg/kg dry	66.2	20.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 132		µg/kg dry	132	48.4	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 66.2		µg/kg dry	66.2	18.0	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 66.2		µg/kg dry	66.2	36.6	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 66.2		µg/kg dry	66.2	18.3	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 66.2		µg/kg dry	66.2	21.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1320		µg/kg dry	1320	941	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1320		µg/kg dry	1320	390	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 331		µg/kg dry	331	43.7	50	"	"	"	"	"	X
64-17-5	Ethanol	< 13200		µg/kg dry	13200	1140	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 76.7		µg/kg dry	76.7	40.7	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-5	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
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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													
208-96-8	Acenaphthylene	< 76.7		µg/kg dry	76.7	40.0	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 379		µg/kg dry	379	24.1	1	"	"	"	"	"	X
120-12-7	Anthracene	< 76.7		µg/kg dry	76.7	44.2	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 379		µg/kg dry	379	41.2	1	"	"	"	"	"	
92-87-5	Benzidine	< 759		µg/kg dry	759	24.1	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 76.7		µg/kg dry	76.7	43.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 76.7		µg/kg dry	76.7	52.4	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 76.7		µg/kg dry	76.7	57.7	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 76.7		µg/kg dry	76.7	54.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 76.7		µg/kg dry	76.7	65.5	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 379		µg/kg dry	379	22.8	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 379		µg/kg dry	379	87.9	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 379		µg/kg dry	379	38.3	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 192		µg/kg dry	192	35.5	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 192		µg/kg dry	192	30.8	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 192		µg/kg dry	192	48.9	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 379		µg/kg dry	379	42.9	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 379		µg/kg dry	379	38.1	1	"	"	"	"	"	X
86-74-8	Carbazole	< 192		µg/kg dry	192	44.2	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 379		µg/kg dry	379	44.6	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 192		µg/kg dry	192	23.7	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 379		µg/kg dry	379	52.0	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 192		µg/kg dry	192	36.8	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 379		µg/kg dry	379	37.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 76.7		µg/kg dry	76.7	43.4	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 76.7		µg/kg dry	76.7	56.7	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 192		µg/kg dry	192	51.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 379		µg/kg dry	379	45.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 379		µg/kg dry	379	40.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 379		µg/kg dry	379	43.1	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 379		µg/kg dry	379	42.0	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 192		µg/kg dry	192	46.6	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 379		µg/kg dry	379	39.8	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 379		µg/kg dry	379	42.7	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 379		µg/kg dry	379	30.0	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 379		µg/kg dry	379	40.6	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 379		µg/kg dry	379	54.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 379		µg/kg dry	379	39.3	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 192		µg/kg dry	192	46.0	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 192		µg/kg dry	192	39.2	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 379		µg/kg dry	379	56.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 76.7		µg/kg dry	76.7	45.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-5	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-12				

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													
86-73-7	Fluorene	< 76.7		µg/kg dry	76.7	49.6	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 192		µg/kg dry	192	48.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 192		µg/kg dry	192	48.3	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 192		µg/kg dry	192	48.4	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 192		µg/kg dry	192	43.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 76.7		µg/kg dry	76.7	52.4	1	"	"	"	"	"	X
78-59-1	Isophorone	< 192		µg/kg dry	192	29.6	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 76.7		µg/kg dry	76.7	53.7	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 379		µg/kg dry	379	30.5	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 379		µg/kg dry	379	29.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 76.7		µg/kg dry	76.7	44.3	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 379		µg/kg dry	379	34.4	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 379		µg/kg dry	379	35.1	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 192		µg/kg dry	192	50.6	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 192		µg/kg dry	192	44.4	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 192		µg/kg dry	192	33.6	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1520		µg/kg dry	1520	50.5	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 192		µg/kg dry	192	25.1	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 192		µg/kg dry	192	33.6	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 379		µg/kg dry	379	38.6	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 379		µg/kg dry	379	45.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 76.7		µg/kg dry	76.7	43.5	1	"	"	"	"	"	X
108-95-2	Phenol	< 379		µg/kg dry	379	38.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 76.7		µg/kg dry	76.7	42.3	1	"	"	"	"	"	X
110-86-1	Pyridine	< 379		µg/kg dry	379	89.8	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 379		µg/kg dry	379	46.7	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 76.7		µg/kg dry	76.7	42.3	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 379		µg/kg dry	379	39.2	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 192		µg/kg dry	192	46.9	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 379		µg/kg dry	379	40.4	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 379		µg/kg dry	379	45.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*79*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*91*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*95*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*90*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*81*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 23.0		µg/kg dry	23.0	16.6	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 23.0		µg/kg dry	23.0	6.81	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.0		µg/kg dry	23.0	6.38	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-5	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 23.0		µg/kg dry	23.0	2.19	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 23.0		µg/kg dry	23.0	7.20	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.0		µg/kg dry	23.0	17.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.0		µg/kg dry	23.0	4.95	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.0		µg/kg dry	23.0	5.37	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.0		µg/kg dry	23.0	4.91	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*84*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*77*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.76		µg/kg dry	5.76	0.265	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.76		µg/kg dry	5.76	0.369	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.76		µg/kg dry	5.76	0.299	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.46		µg/kg dry	3.46	0.610	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.76		µg/kg dry	5.76	0.668	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.76		µg/kg dry	5.76	0.196	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.76		µg/kg dry	5.76	0.230	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.76		µg/kg dry	5.76	0.265	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.76		µg/kg dry	5.76	0.276	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.76		µg/kg dry	5.76	0.299	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.21		µg/kg dry	9.21	0.564	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.21		µg/kg dry	9.21	0.369	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.21		µg/kg dry	9.21	0.484	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.21		µg/kg dry	9.21	0.841	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.21		µg/kg dry	9.21	3.95	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.21		µg/kg dry	9.21	0.622	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.21		µg/kg dry	9.21	0.334	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.21		µg/kg dry	9.21	1.45	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.76		µg/kg dry	5.76	0.242	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.76		µg/kg dry	5.76	0.288	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 115		µg/kg dry	115	81.3	1	"	"	"	"	"	X
57-74-9	Chlordane	< 23.0		µg/kg dry	23.0	2.90	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.76		µg/kg dry	5.76	0.507	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*61*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*58*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-5	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													
Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**106**		mg/kg dry	15.4	12.9	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*64*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*86*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.76		mg/kg dry	3.76	0.203	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**53.4**		mg/kg dry	1.88	0.238	1	"	"	"	"	"	X
7440-39-3	Barium	**30.3**		mg/kg dry	1.25	0.148	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.627		mg/kg dry	0.627	0.0315	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.627		mg/kg dry	0.627	0.0325	1	"	"	"	"	"	X
7440-47-3	Chromium	**25.0**		mg/kg dry	1.25	0.167	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.103		mg/kg dry	0.103	0.0086	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**46.2**		mg/kg dry	1.25	0.144	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**17.0**		mg/kg dry	1.88	0.266	1	"	"	"	"	"	X
7440-36-0	Antimony	< 6.27		mg/kg dry	6.27	0.471	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.88		mg/kg dry	1.88	0.359	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.76		mg/kg dry	3.76	1.38	1	"	"	"	"	"	X
7440-62-2	Vanadium	**33.9**		mg/kg dry	1.88	0.333	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**52.1**		mg/kg dry	3.76	0.970	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**85.8**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.57**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8151A									Methylation date: 14-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	14-Jul-20	15-Jul-20 17:27	M-CT007	537320A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*80*			*30-150 %*			"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-5 SC58794-12	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:42	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-6	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-13				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.85 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 52.1		µg/kg dry	52.1	28.6	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 521		µg/kg dry	521	65.9	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 52.1		µg/kg dry	52.1	18.8	50	"	"	"	"	"	X
71-43-2	Benzene	< 52.1		µg/kg dry	52.1	8.34	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 52.1		µg/kg dry	52.1	11.8	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 52.1		µg/kg dry	52.1	7.45	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 52.1		µg/kg dry	52.1	13.4	50	"	"	"	"	"	X
75-25-2	Bromoform	< 52.1		µg/kg dry	52.1	11.2	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 104		µg/kg dry	104	25.7	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 104		µg/kg dry	104	23.8	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 52.1		µg/kg dry	52.1	20.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 52.1		µg/kg dry	52.1	16.0	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 52.1		µg/kg dry	52.1	21.3	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 104		µg/kg dry	104	19.3	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 52.1		µg/kg dry	52.1	15.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 52.1		µg/kg dry	52.1	6.30	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 104		µg/kg dry	104	23.2	50	"	"	"	"	"	X
67-66-3	Chloroform	< 52.1		µg/kg dry	52.1	6.15	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 104		µg/kg dry	104	61.9	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 52.1		µg/kg dry	52.1	12.9	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 52.1		µg/kg dry	52.1	9.43	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 104		µg/kg dry	104	20.6	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 52.1		µg/kg dry	52.1	8.23	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 52.1		µg/kg dry	52.1	14.2	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 52.1		µg/kg dry	52.1	9.80	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 52.1		µg/kg dry	52.1	9.38	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 52.1		µg/kg dry	52.1	13.0	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 52.1		µg/kg dry	52.1	9.33	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 104		µg/kg dry	104	68.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 52.1		µg/kg dry	52.1	12.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 52.1		µg/kg dry	52.1	13.7	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 52.1		µg/kg dry	52.1	13.3	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 52.1		µg/kg dry	52.1	17.4	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 52.1		µg/kg dry	52.1	11.9	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 52.1		µg/kg dry	52.1	18.1	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 52.1		µg/kg dry	52.1	16.5	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 52.1		µg/kg dry	52.1	13.7	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 52.1		µg/kg dry	52.1	15.9	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 52.1		µg/kg dry	52.1	12.3	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 52.1		µg/kg dry	52.1	21.2	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 52.1		µg/kg dry	52.1	10.9	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 52.1		µg/kg dry	52.1	16.7	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 104		µg/kg dry	104	34.6	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-6	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-13				

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													
							Initial weight: 16.85 g						
98-82-8	Isopropylbenzene	< 52.1		µg/kg dry	52.1	18.9	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 52.1		µg/kg dry	52.1	14.4	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 52.1		µg/kg dry	52.1	15.7	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 104		µg/kg dry	104	37.3	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 104		µg/kg dry	104	44.5	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 52.1		µg/kg dry	52.1	15.1	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 52.1		µg/kg dry	52.1	13.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 52.1		µg/kg dry	52.1	6.88	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 52.1		µg/kg dry	52.1	12.6	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 52.1		µg/kg dry	52.1	16.5	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 52.1		µg/kg dry	52.1	16.4	50	"	"	"	"	"	X
108-88-3	Toluene	< 52.1		µg/kg dry	52.1	8.39	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 52.1		µg/kg dry	52.1	12.1	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 52.1		µg/kg dry	52.1	8.60	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 52.1		µg/kg dry	52.1	8.23	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 52.1		µg/kg dry	52.1	12.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 52.1		µg/kg dry	52.1	16.1	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 52.1		µg/kg dry	52.1	8.91	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 52.1		µg/kg dry	52.1	23.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 52.1		µg/kg dry	52.1	24.0	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 52.1		µg/kg dry	52.1	13.2	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 52.1		µg/kg dry	52.1	10.9	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 52.1		µg/kg dry	52.1	25.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 104		µg/kg dry	104	30.6	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 52.1		µg/kg dry	52.1	16.0	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 104		µg/kg dry	104	38.1	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 52.1		µg/kg dry	52.1	14.1	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 52.1		µg/kg dry	52.1	28.8	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 52.1		µg/kg dry	52.1	14.4	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 52.1		µg/kg dry	52.1	16.8	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1040		µg/kg dry	1040	740	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1040		µg/kg dry	1040	307	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 261		µg/kg dry	261	34.4	50	"	"	"	"	"	X
64-17-5	Ethanol	< 10400		µg/kg dry	10400	898	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 71.1		µg/kg dry	71.1	37.7	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-6	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-13				

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													
208-96-8	Acenaphthylene	< 71.1		µg/kg dry	71.1	37.1	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 352		µg/kg dry	352	22.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 71.1		µg/kg dry	71.1	40.9	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 352		µg/kg dry	352	38.2	1	"	"	"	"	"	
92-87-5	Benzidine	< 704		µg/kg dry	704	22.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 71.1		µg/kg dry	71.1	40.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 71.1		µg/kg dry	71.1	48.6	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 71.1		µg/kg dry	71.1	53.5	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 71.1		µg/kg dry	71.1	50.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 71.1		µg/kg dry	71.1	60.8	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 352		µg/kg dry	352	21.1	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 352		µg/kg dry	352	81.5	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 352		µg/kg dry	352	35.5	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 178		µg/kg dry	178	33.0	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 178		µg/kg dry	178	28.6	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 178		µg/kg dry	178	45.3	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 352		µg/kg dry	352	39.8	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 352		µg/kg dry	352	35.3	1	"	"	"	"	"	X
86-74-8	Carbazole	< 178		µg/kg dry	178	40.9	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 352		µg/kg dry	352	41.4	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 178		µg/kg dry	178	22.0	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 352		µg/kg dry	352	48.2	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 178		µg/kg dry	178	34.1	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 352		µg/kg dry	352	34.4	1	"	"	"	"	"	X
218-01-9	Chrysene	< 71.1		µg/kg dry	71.1	40.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 71.1		µg/kg dry	71.1	52.6	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 178		µg/kg dry	178	47.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 352		µg/kg dry	352	42.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 352		µg/kg dry	352	38.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 352		µg/kg dry	352	40.0	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 352		µg/kg dry	352	38.9	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 178		µg/kg dry	178	43.2	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 352		µg/kg dry	352	36.9	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 352		µg/kg dry	352	39.6	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 352		µg/kg dry	352	27.8	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 352		µg/kg dry	352	37.6	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 352		µg/kg dry	352	50.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 352		µg/kg dry	352	36.5	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 178		µg/kg dry	178	42.7	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 178		µg/kg dry	178	36.4	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 352		µg/kg dry	352	52.4	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 71.1		µg/kg dry	71.1	41.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-6	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-13				

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													
86-73-7	Fluorene	< 71.1		µg/kg dry	71.1	46.0	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 178		µg/kg dry	178	44.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 178		µg/kg dry	178	44.8	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 178		µg/kg dry	178	44.9	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 178		µg/kg dry	178	40.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 71.1		µg/kg dry	71.1	48.6	1	"	"	"	"	"	X
78-59-1	Isophorone	< 178		µg/kg dry	178	27.4	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 71.1		µg/kg dry	71.1	49.8	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 352		µg/kg dry	352	28.3	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 352		µg/kg dry	352	27.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 71.1		µg/kg dry	71.1	41.1	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 352		µg/kg dry	352	31.9	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 352		µg/kg dry	352	32.5	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 178		µg/kg dry	178	46.9	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 178		µg/kg dry	178	41.2	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 178		µg/kg dry	178	31.1	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1410		µg/kg dry	1410	46.8	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 178		µg/kg dry	178	23.2	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 178		µg/kg dry	178	31.1	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 352		µg/kg dry	352	35.8	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 352		µg/kg dry	352	41.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 71.1		µg/kg dry	71.1	40.3	1	"	"	"	"	"	X
108-95-2	Phenol	< 352		µg/kg dry	352	35.6	1	"	"	"	"	"	X
129-00-0	Pyrene	< 71.1		µg/kg dry	71.1	39.2	1	"	"	"	"	"	X
110-86-1	Pyridine	< 352		µg/kg dry	352	83.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 352		µg/kg dry	352	43.3	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 71.1		µg/kg dry	71.1	39.2	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 352		µg/kg dry	352	36.4	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 178		µg/kg dry	178	43.5	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 352		µg/kg dry	352	37.4	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 352		µg/kg dry	352	41.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*100*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*93*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*78*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*98*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*77*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	15.5	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 21.4		µg/kg dry	21.4	6.34	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.4		µg/kg dry	21.4	5.94	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-6	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 21.4		µg/kg dry	21.4	2.04	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 21.4		µg/kg dry	21.4	6.70	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.4		µg/kg dry	21.4	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.4		µg/kg dry	21.4	4.61	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	5.00	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	4.57	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*78*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.36		µg/kg dry	5.36	0.247	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.36		µg/kg dry	5.36	0.343	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.36		µg/kg dry	5.36	0.279	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.22		µg/kg dry	3.22	0.568	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.36		µg/kg dry	5.36	0.622	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.36		µg/kg dry	5.36	0.182	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.36		µg/kg dry	5.36	0.214	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.36		µg/kg dry	5.36	0.247	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.36		µg/kg dry	5.36	0.257	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.36		µg/kg dry	5.36	0.279	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.58		µg/kg dry	8.58	0.525	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.58		µg/kg dry	8.58	0.343	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.58		µg/kg dry	8.58	0.450	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.58		µg/kg dry	8.58	0.783	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.58		µg/kg dry	8.58	3.68	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.58		µg/kg dry	8.58	0.579	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.58		µg/kg dry	8.58	0.311	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.58		µg/kg dry	8.58	1.35	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.36		µg/kg dry	5.36	0.225	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.36		µg/kg dry	5.36	0.268	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 107		µg/kg dry	107	75.7	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.4		µg/kg dry	21.4	2.70	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.36		µg/kg dry	5.36	0.472	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*57*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*49*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*46*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-6 SC58794-13	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**134**		mg/kg dry	14.3	12.0	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*80*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*108*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.38		mg/kg dry	3.38	0.182	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**29.6**		mg/kg dry	1.69	0.214	1	"	"	"	"	"	X
7440-39-3	Barium	**28.6**		mg/kg dry	1.13	0.133	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.563		mg/kg dry	0.563	0.0282	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.563		mg/kg dry	0.563	0.0291	1	"	"	"	"	"	X
7440-47-3	Chromium	**30.0**		mg/kg dry	1.13	0.150	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.120		mg/kg dry	0.120	0.0100	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**25.6**		mg/kg dry	1.13	0.129	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**15.8**		mg/kg dry	1.69	0.239	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.63		mg/kg dry	5.63	0.423	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.69		mg/kg dry	1.69	0.322	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.38		mg/kg dry	3.38	1.24	1	"	"	"	"	"	X
7440-62-2	Vanadium	**35.8**		mg/kg dry	1.69	0.299	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**43.2**		mg/kg dry	3.38	0.871	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**92.6**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.74**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 14-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	14-Jul-20	15-Jul-20 17:52	M-CT007	537320A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*83*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-6 SC58794-13	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:42	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-7	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-14				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 18.18 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 59.4		µg/kg dry	59.4	32.6	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 594		µg/kg dry	594	75.1	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 59.4		µg/kg dry	59.4	21.5	50	"	"	"	"	"	X
71-43-2	Benzene	< 59.4		µg/kg dry	59.4	9.51	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 59.4		µg/kg dry	59.4	13.4	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 59.4		µg/kg dry	59.4	8.50	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 59.4		µg/kg dry	59.4	15.3	50	"	"	"	"	"	X
75-25-2	Bromoform	< 59.4		µg/kg dry	59.4	12.7	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 119		µg/kg dry	119	29.4	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 119		µg/kg dry	119	27.2	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 59.4		µg/kg dry	59.4	23.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 59.4		µg/kg dry	59.4	18.3	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 59.4		µg/kg dry	59.4	24.3	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 119		µg/kg dry	119	22.0	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 59.4		µg/kg dry	59.4	17.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 59.4		µg/kg dry	59.4	7.19	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 119		µg/kg dry	119	26.5	50	"	"	"	"	"	X
67-66-3	Chloroform	< 59.4		µg/kg dry	59.4	7.01	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 119		µg/kg dry	119	70.6	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 59.4		µg/kg dry	59.4	14.7	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 59.4		µg/kg dry	59.4	10.8	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 119		µg/kg dry	119	23.5	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 59.4		µg/kg dry	59.4	9.39	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 59.4		µg/kg dry	59.4	16.2	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 59.4		µg/kg dry	59.4	11.2	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 59.4		µg/kg dry	59.4	10.7	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 59.4		µg/kg dry	59.4	14.8	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 59.4		µg/kg dry	59.4	10.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 119		µg/kg dry	119	77.8	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 59.4		µg/kg dry	59.4	13.7	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 59.4		µg/kg dry	59.4	15.6	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 59.4		µg/kg dry	59.4	15.2	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 59.4		µg/kg dry	59.4	19.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 59.4		µg/kg dry	59.4	13.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 59.4		µg/kg dry	59.4	20.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 59.4		µg/kg dry	59.4	18.8	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 59.4		µg/kg dry	59.4	15.6	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 59.4		µg/kg dry	59.4	18.2	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 59.4		µg/kg dry	59.4	14.0	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 59.4		µg/kg dry	59.4	24.2	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 59.4		µg/kg dry	59.4	12.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 59.4		µg/kg dry	59.4	19.0	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 119		µg/kg dry	119	39.5	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-7	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-14				

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													
						Initial weight: 18.18 g							
98-82-8	Isopropylbenzene	< 59.4		µg/kg dry	59.4	21.6	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 59.4		µg/kg dry	59.4	16.5	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 59.4		µg/kg dry	59.4	17.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 119		µg/kg dry	119	42.6	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 119		µg/kg dry	119	50.8	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 59.4		µg/kg dry	59.4	17.2	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 59.4		µg/kg dry	59.4	14.8	50	"	"	"	"	"	X
100-42-5	Styrene	< 59.4		µg/kg dry	59.4	7.85	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 59.4		µg/kg dry	59.4	14.3	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 59.4		µg/kg dry	59.4	18.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 59.4		µg/kg dry	59.4	18.7	50	"	"	"	"	"	X
108-88-3	Toluene	< 59.4		µg/kg dry	59.4	9.57	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 59.4		µg/kg dry	59.4	13.9	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 59.4		µg/kg dry	59.4	9.81	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 59.4		µg/kg dry	59.4	9.39	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 59.4		µg/kg dry	59.4	14.4	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 59.4		µg/kg dry	59.4	18.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 59.4		µg/kg dry	59.4	10.2	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 59.4		µg/kg dry	59.4	26.9	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 59.4		µg/kg dry	59.4	27.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 59.4		µg/kg dry	59.4	15.0	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 59.4		µg/kg dry	59.4	12.4	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 59.4		µg/kg dry	59.4	29.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 119		µg/kg dry	119	35.0	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 59.4		µg/kg dry	59.4	18.3	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 119		µg/kg dry	119	43.5	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 59.4		µg/kg dry	59.4	16.1	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 59.4		µg/kg dry	59.4	32.9	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 59.4		µg/kg dry	59.4	16.5	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 59.4		µg/kg dry	59.4	19.2	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1190		µg/kg dry	1190	844	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1190		µg/kg dry	1190	350	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 297		µg/kg dry	297	39.2	50	"	"	"	"	"	X
64-17-5	Ethanol	< 11900		µg/kg dry	11900	1020	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 79.6		µg/kg dry	79.6	42.2	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-7	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-14				

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													
208-96-8	Acenaphthylene	< 79.6		µg/kg dry	79.6	41.5	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 394		µg/kg dry	394	25.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 79.6		µg/kg dry	79.6	45.8	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 394		µg/kg dry	394	42.7	1	"	"	"	"	"	
92-87-5	Benzidine	< 787		µg/kg dry	787	25.0	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 79.6		µg/kg dry	79.6	44.7	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 79.6		µg/kg dry	79.6	54.4	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 79.6		µg/kg dry	79.6	59.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 79.6		µg/kg dry	79.6	56.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 79.6		µg/kg dry	79.6	68.0	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 394		µg/kg dry	394	23.6	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 394		µg/kg dry	394	91.1	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 394		µg/kg dry	394	39.7	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 199		µg/kg dry	199	36.9	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 199		µg/kg dry	199	32.0	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 199		µg/kg dry	199	50.7	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 394		µg/kg dry	394	44.5	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 394		µg/kg dry	394	39.5	1	"	"	"	"	"	X
86-74-8	Carbazole	< 199		µg/kg dry	199	45.8	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 394		µg/kg dry	394	46.3	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 199		µg/kg dry	199	24.6	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 394		µg/kg dry	394	53.9	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 199		µg/kg dry	199	38.2	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 394		µg/kg dry	394	38.5	1	"	"	"	"	"	X
218-01-9	Chrysene	< 79.6		µg/kg dry	79.6	45.0	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 79.6		µg/kg dry	79.6	58.8	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 199		µg/kg dry	199	53.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 394		µg/kg dry	394	47.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 394		µg/kg dry	394	42.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 394		µg/kg dry	394	44.7	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 394		µg/kg dry	394	43.5	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 199		µg/kg dry	199	48.3	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 394		µg/kg dry	394	41.3	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 394		µg/kg dry	394	44.3	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 394		µg/kg dry	394	31.1	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 394		µg/kg dry	394	42.1	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 394		µg/kg dry	394	56.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 394		µg/kg dry	394	40.8	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 199		µg/kg dry	199	47.7	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 199		µg/kg dry	199	40.7	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 394		µg/kg dry	394	58.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 79.6		µg/kg dry	79.6	46.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-7	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-14				

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													
86-73-7	Fluorene	< 79.6		µg/kg dry	79.6	51.4	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 199		µg/kg dry	199	50.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 199		µg/kg dry	199	50.1	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 199		µg/kg dry	199	50.2	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 199		µg/kg dry	199	45.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 79.6		µg/kg dry	79.6	54.4	1	"	"	"	"	"	X
78-59-1	Isophorone	< 199		µg/kg dry	199	30.7	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 79.6		µg/kg dry	79.6	55.7	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 394		µg/kg dry	394	31.6	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 394		µg/kg dry	394	30.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 79.6		µg/kg dry	79.6	45.9	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 394		µg/kg dry	394	35.7	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 394		µg/kg dry	394	36.4	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 199		µg/kg dry	199	52.5	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 199		µg/kg dry	199	46.0	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 199		µg/kg dry	199	34.8	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1570		µg/kg dry	1570	52.4	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 199		µg/kg dry	199	26.0	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 199		µg/kg dry	199	34.8	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 394		µg/kg dry	394	40.1	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 394		µg/kg dry	394	46.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 79.6		µg/kg dry	79.6	45.1	1	"	"	"	"	"	X
108-95-2	Phenol	< 394		µg/kg dry	394	39.8	1	"	"	"	"	"	X
129-00-0	Pyrene	< 79.6		µg/kg dry	79.6	43.9	1	"	"	"	"	"	X
110-86-1	Pyridine	< 394		µg/kg dry	394	93.2	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 394		µg/kg dry	394	48.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 79.6		µg/kg dry	79.6	43.9	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 394		µg/kg dry	394	40.7	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 199		µg/kg dry	199	48.7	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 394		µg/kg dry	394	41.9	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 394		µg/kg dry	394	46.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*105*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*90*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*88*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*101*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*83*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*63*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 23.8		µg/kg dry	23.8	17.1	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 23.8		µg/kg dry	23.8	7.02	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.8		µg/kg dry	23.8	6.58	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-7	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 23.8		µg/kg dry	23.8	2.26	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 23.8		µg/kg dry	23.8	7.43	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.8		µg/kg dry	23.8	18.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.8		µg/kg dry	23.8	5.11	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.8		µg/kg dry	23.8	5.54	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.8		µg/kg dry	23.8	5.06	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*86*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*76*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.94		µg/kg dry	5.94	0.273	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.94		µg/kg dry	5.94	0.380	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.94		µg/kg dry	5.94	0.309	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.57		µg/kg dry	3.57	0.630	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.94		µg/kg dry	5.94	0.689	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.94		µg/kg dry	5.94	0.202	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.94		µg/kg dry	5.94	0.238	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.94		µg/kg dry	5.94	0.273	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.94		µg/kg dry	5.94	0.285	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.94		µg/kg dry	5.94	0.309	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.51		µg/kg dry	9.51	0.582	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.51		µg/kg dry	9.51	0.380	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.51		µg/kg dry	9.51	0.499	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.51		µg/kg dry	9.51	0.867	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.51		µg/kg dry	9.51	4.08	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.51		µg/kg dry	9.51	0.642	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.51		µg/kg dry	9.51	0.345	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.51		µg/kg dry	9.51	1.50	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.94		µg/kg dry	5.94	0.250	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.94		µg/kg dry	5.94	0.297	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 119		µg/kg dry	119	83.8	1	"	"	"	"	"	X
57-74-9	Chlordane	< 23.8		µg/kg dry	23.8	2.99	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.94		µg/kg dry	5.94	0.523	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*64*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*51*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-7 SC58794-14	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**170**		mg/kg dry	15.8	13.2	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*84*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*113*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.60		mg/kg dry	3.60	0.195	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**48.6**		mg/kg dry	1.80	0.228	1	"	"	"	"	"	X
7440-39-3	Barium	**34.6**		mg/kg dry	1.20	0.142	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.601		mg/kg dry	0.601	0.0301	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.601		mg/kg dry	0.601	0.0311	1	"	"	"	"	"	X
7440-47-3	Chromium	**65.9**		mg/kg dry	1.20	0.160	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.128		mg/kg dry	0.128	0.0106	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**44.8**		mg/kg dry	1.20	0.138	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**28.6**		mg/kg dry	1.80	0.255	1	"	"	"	"	"	X
7440-36-0	Antimony	< 6.01		mg/kg dry	6.01	0.452	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.80		mg/kg dry	1.80	0.344	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.60		mg/kg dry	3.60	1.32	1	"	"	"	"	"	X
7440-62-2	Vanadium	**46.7**		mg/kg dry	1.80	0.320	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**56.2**		mg/kg dry	3.60	0.930	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**83.4**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.71**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A										Methylation date: 14-Jul-20			
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	14-Jul-20	15-Jul-20 19:05	M-CT007	537320A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*85*			*30-150 %*			"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-7 SC58794-14	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 7		mg/kg	7	7	1	SW846 7.3.3.1/90	14-Jul-20	14-Jul-20 14:43	M-CT007	537292A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	14-Jul-20 15:17	M-CT007	537292B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	14-Jul-20 15:18	14-Jul-20 15:18	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-8	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-15				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.62 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 60.5		µg/kg dry	60.5	33.1	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 605		µg/kg dry	605	76.4	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 60.5		µg/kg dry	60.5	21.8	50	"	"	"	"	"	X
71-43-2	Benzene	< 60.5		µg/kg dry	60.5	9.67	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 60.5		µg/kg dry	60.5	13.7	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 60.5		µg/kg dry	60.5	8.64	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 60.5		µg/kg dry	60.5	15.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 60.5		µg/kg dry	60.5	12.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 121		µg/kg dry	121	29.9	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 121		µg/kg dry	121	27.6	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 60.5		µg/kg dry	60.5	24.2	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 60.5		µg/kg dry	60.5	18.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 60.5		µg/kg dry	60.5	24.7	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 121		µg/kg dry	121	22.4	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 60.5		µg/kg dry	60.5	18.1	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 60.5		µg/kg dry	60.5	7.31	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 121		µg/kg dry	121	27.0	50	"	"	"	"	"	X
67-66-3	Chloroform	< 60.5		µg/kg dry	60.5	7.13	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 121		µg/kg dry	121	71.8	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 60.5		µg/kg dry	60.5	15.0	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 60.5		µg/kg dry	60.5	10.9	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 121		µg/kg dry	121	23.9	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 60.5		µg/kg dry	60.5	9.55	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 60.5		µg/kg dry	60.5	16.4	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 60.5		µg/kg dry	60.5	11.4	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 60.5		µg/kg dry	60.5	10.9	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 60.5		µg/kg dry	60.5	15.1	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 60.5		µg/kg dry	60.5	10.8	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 121		µg/kg dry	121	79.1	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 60.5		µg/kg dry	60.5	14.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 60.5		µg/kg dry	60.5	15.8	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 60.5		µg/kg dry	60.5	15.5	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 60.5		µg/kg dry	60.5	20.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 60.5		µg/kg dry	60.5	13.8	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 60.5		µg/kg dry	60.5	21.0	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 60.5		µg/kg dry	60.5	19.1	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 60.5		µg/kg dry	60.5	15.9	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 60.5		µg/kg dry	60.5	18.5	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 60.5		µg/kg dry	60.5	14.3	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 60.5		µg/kg dry	60.5	24.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 60.5		µg/kg dry	60.5	12.6	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 60.5		µg/kg dry	60.5	19.3	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 121		µg/kg dry	121	40.2	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-8	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-15				

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													
							Initial weight: 16.62 g						
98-82-8	Isopropylbenzene	< 60.5		µg/kg dry	60.5	21.9	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 60.5		µg/kg dry	60.5	16.7	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 60.5		µg/kg dry	60.5	18.2	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 121		µg/kg dry	121	43.3	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 121		µg/kg dry	121	51.6	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 60.5		µg/kg dry	60.5	17.5	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 60.5		µg/kg dry	60.5	15.1	50	"	"	"	"	"	X
100-42-5	Styrene	< 60.5		µg/kg dry	60.5	7.98	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 60.5		µg/kg dry	60.5	14.6	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 60.5		µg/kg dry	60.5	19.2	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 60.5		µg/kg dry	60.5	19.0	50	"	"	"	"	"	X
108-88-3	Toluene	< 60.5		µg/kg dry	60.5	9.73	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 60.5		µg/kg dry	60.5	14.1	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 60.5		µg/kg dry	60.5	9.97	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 60.5		µg/kg dry	60.5	9.55	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 60.5		µg/kg dry	60.5	14.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 60.5		µg/kg dry	60.5	18.7	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 60.5		µg/kg dry	60.5	10.3	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 60.5		µg/kg dry	60.5	27.3	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 60.5		µg/kg dry	60.5	27.9	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 60.5		µg/kg dry	60.5	15.3	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 60.5		µg/kg dry	60.5	12.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 60.5		µg/kg dry	60.5	29.7	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 121		µg/kg dry	121	35.5	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 60.5		µg/kg dry	60.5	18.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 121		µg/kg dry	121	44.2	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 60.5		µg/kg dry	60.5	16.4	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 60.5		µg/kg dry	60.5	33.4	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 60.5		µg/kg dry	60.5	16.7	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 60.5		µg/kg dry	60.5	19.5	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1210		µg/kg dry	1210	858	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1210		µg/kg dry	1210	356	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 302		µg/kg dry	302	39.9	50	"	"	"	"	"	X
64-17-5	Ethanol	< 12100		µg/kg dry	12100	1040	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 76.5		µg/kg dry	76.5	40.6	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-8	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-15				

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													
208-96-8	Acenaphthylene	< 76.5		µg/kg dry	76.5	39.9	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 379		µg/kg dry	379	24.1	1	"	"	"	"	"	X
120-12-7	Anthracene	< 76.5		µg/kg dry	76.5	44.0	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 379		µg/kg dry	379	41.1	1	"	"	"	"	"	
92-87-5	Benzidine	< 757		µg/kg dry	757	24.1	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 76.5		µg/kg dry	76.5	43.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 76.5		µg/kg dry	76.5	52.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 76.5		µg/kg dry	76.5	57.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 76.5		µg/kg dry	76.5	54.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 76.5		µg/kg dry	76.5	65.4	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 379		µg/kg dry	379	22.7	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 379		µg/kg dry	379	87.6	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 379		µg/kg dry	379	38.2	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 192		µg/kg dry	192	35.4	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 192		µg/kg dry	192	30.7	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 192		µg/kg dry	192	48.7	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 379		µg/kg dry	379	42.8	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 379		µg/kg dry	379	38.0	1	"	"	"	"	"	X
86-74-8	Carbazole	< 192		µg/kg dry	192	44.0	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 379		µg/kg dry	379	44.5	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 192		µg/kg dry	192	23.6	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 379		µg/kg dry	379	51.8	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 192		µg/kg dry	192	36.7	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 379		µg/kg dry	379	37.0	1	"	"	"	"	"	X
218-01-9	Chrysene	< 76.5		µg/kg dry	76.5	43.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 76.5		µg/kg dry	76.5	56.5	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 192		µg/kg dry	192	51.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 379		µg/kg dry	379	45.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 379		µg/kg dry	379	40.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 379		µg/kg dry	379	43.0	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 379		µg/kg dry	379	41.9	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 192		µg/kg dry	192	46.5	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 379		µg/kg dry	379	39.7	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 379		µg/kg dry	379	42.6	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 379		µg/kg dry	379	29.9	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 379		µg/kg dry	379	40.5	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 379		µg/kg dry	379	54.3	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 379		µg/kg dry	379	39.2	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 192		µg/kg dry	192	45.9	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 192		µg/kg dry	192	39.1	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 379		µg/kg dry	379	56.3	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 76.5		µg/kg dry	76.5	44.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-8	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-15				

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													
86-73-7	Fluorene	< 76.5		µg/kg dry	76.5	49.4	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 192		µg/kg dry	192	48.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 192		µg/kg dry	192	48.2	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 192		µg/kg dry	192	48.3	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 192		µg/kg dry	192	43.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 76.5		µg/kg dry	76.5	52.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 192		µg/kg dry	192	29.5	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 76.5		µg/kg dry	76.5	53.6	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 379		µg/kg dry	379	30.4	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 379		µg/kg dry	379	29.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 76.5		µg/kg dry	76.5	44.2	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 379		µg/kg dry	379	34.3	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 379		µg/kg dry	379	35.0	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 192		µg/kg dry	192	50.5	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 192		µg/kg dry	192	44.3	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 192		µg/kg dry	192	33.5	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1510		µg/kg dry	1510	50.4	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 192		µg/kg dry	192	25.0	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 192		µg/kg dry	192	33.5	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 379		µg/kg dry	379	38.5	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 379		µg/kg dry	379	45.1	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 76.5		µg/kg dry	76.5	43.4	1	"	"	"	"	"	X
108-95-2	Phenol	< 379		µg/kg dry	379	38.3	1	"	"	"	"	"	X
129-00-0	Pyrene	< 76.5		µg/kg dry	76.5	42.2	1	"	"	"	"	"	X
110-86-1	Pyridine	< 379		µg/kg dry	379	89.6	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 379		µg/kg dry	379	46.6	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 76.5		µg/kg dry	76.5	42.2	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 379		µg/kg dry	379	39.1	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 192		µg/kg dry	192	46.8	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 379		µg/kg dry	379	40.3	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 379		µg/kg dry	379	45.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*80*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*88*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*84*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*97*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*79*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 23.0		µg/kg dry	23.0	16.6	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 23.0		µg/kg dry	23.0	6.79	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.0		µg/kg dry	23.0	6.37	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-8	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 23.0		µg/kg dry	23.0	2.18	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 23.0		µg/kg dry	23.0	7.18	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.0		µg/kg dry	23.0	17.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.0		µg/kg dry	23.0	4.94	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.0		µg/kg dry	23.0	5.35	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.0		µg/kg dry	23.0	4.90	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*81*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*85*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 5.75		µg/kg dry	5.75	0.264	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 5.75		µg/kg dry	5.75	0.368	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.75		µg/kg dry	5.75	0.299	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.45		µg/kg dry	3.45	0.609	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.75		µg/kg dry	5.75	0.666	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.75		µg/kg dry	5.75	0.195	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.75		µg/kg dry	5.75	0.230	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.75		µg/kg dry	5.75	0.264	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.75		µg/kg dry	5.75	0.276	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.75		µg/kg dry	5.75	0.299	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.19		µg/kg dry	9.19	0.563	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.19		µg/kg dry	9.19	0.368	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.19		µg/kg dry	9.19	0.483	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.19		µg/kg dry	9.19	0.839	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.19		µg/kg dry	9.19	3.94	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.19		µg/kg dry	9.19	0.620	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.19		µg/kg dry	9.19	0.333	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.19		µg/kg dry	9.19	1.45	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.75		µg/kg dry	5.75	0.241	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 5.75		µg/kg dry	5.75	0.287	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 115		µg/kg dry	115	81.1	1	"	"	"	"	"	X
57-74-9	Chlordane	< 23.0		µg/kg dry	23.0	2.89	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.75		µg/kg dry	5.75	0.506	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*69*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*54*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*52*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-8 SC58794-15	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**111**		mg/kg dry	15.4	12.9	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*77*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*103*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.75		mg/kg dry	3.75	0.202	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**48.7**		mg/kg dry	1.87	0.237	1	"	"	"	"	"	X
7440-39-3	Barium	**33.0**		mg/kg dry	1.25	0.147	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.624		mg/kg dry	0.624	0.0313	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.624		mg/kg dry	0.624	0.0323	1	"	"	"	"	"	X
7440-47-3	Chromium	**31.6**		mg/kg dry	1.25	0.166	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.115		mg/kg dry	0.115	0.0095	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**47.7**		mg/kg dry	1.25	0.144	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**21.0**		mg/kg dry	1.87	0.265	1	"	"	"	"	"	X
7440-36-0	Antimony	< 6.24		mg/kg dry	6.24	0.469	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.87		mg/kg dry	1.87	0.357	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.75		mg/kg dry	3.75	1.38	1	"	"	"	"	"	X
7440-62-2	Vanadium	**36.0**		mg/kg dry	1.87	0.332	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**52.3**		mg/kg dry	3.75	0.966	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**86.1**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.56**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 14-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	14-Jul-20	15-Jul-20 19:29	M-CT007	537320A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*84*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-8 SC58794-15	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 6		mg/kg	6	6	1	SW846 7.3.3.1/90	15-Jul-20	15-Jul-20 13:52	M-CT007	537434A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	15-Jul-20 14:40	M-CT007	537434B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	15-Jul-20 14:43	15-Jul-20 14:43	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-9	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-16				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 15.23 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 76.0		µg/kg dry	76.0	41.7	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 760		µg/kg dry	760	96.1	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 76.0		µg/kg dry	76.0	27.5	50	"	"	"	"	"	X
71-43-2	Benzene	< 76.0		µg/kg dry	76.0	12.2	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 76.0		µg/kg dry	76.0	17.2	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 76.0		µg/kg dry	76.0	10.9	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 76.0		µg/kg dry	76.0	19.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 76.0		µg/kg dry	76.0	16.3	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 152		µg/kg dry	152	37.6	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 152		µg/kg dry	152	34.8	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 76.0		µg/kg dry	76.0	30.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 76.0		µg/kg dry	76.0	23.3	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 76.0		µg/kg dry	76.0	31.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 152		µg/kg dry	152	28.1	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 76.0		µg/kg dry	76.0	22.7	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 76.0		µg/kg dry	76.0	9.20	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 152		µg/kg dry	152	33.9	50	"	"	"	"	"	X
67-66-3	Chloroform	< 76.0		µg/kg dry	76.0	8.97	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 152		µg/kg dry	152	90.3	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 76.0		µg/kg dry	76.0	18.9	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 76.0		µg/kg dry	76.0	13.8	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 152		µg/kg dry	152	30.0	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 76.0		µg/kg dry	76.0	12.0	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 76.0		µg/kg dry	76.0	20.7	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 76.0		µg/kg dry	76.0	14.3	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 76.0		µg/kg dry	76.0	13.7	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 76.0		µg/kg dry	76.0	18.9	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 76.0		µg/kg dry	76.0	13.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 152		µg/kg dry	152	99.5	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 76.0		µg/kg dry	76.0	17.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 76.0		µg/kg dry	76.0	19.9	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 76.0		µg/kg dry	76.0	19.5	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 76.0		µg/kg dry	76.0	25.3	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 76.0		µg/kg dry	76.0	17.3	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 76.0		µg/kg dry	76.0	26.4	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 76.0		µg/kg dry	76.0	24.0	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 76.0		µg/kg dry	76.0	20.0	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 76.0		µg/kg dry	76.0	23.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 76.0		µg/kg dry	76.0	17.9	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 76.0		µg/kg dry	76.0	31.0	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 76.0		µg/kg dry	76.0	15.9	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 76.0		µg/kg dry	76.0	24.3	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 152		µg/kg dry	152	50.6	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-9	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-16				

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													
							Initial weight: 15.23 g						
98-82-8	Isopropylbenzene	< 76.0		µg/kg dry	76.0	27.6	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 76.0		µg/kg dry	76.0	21.1	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 76.0		µg/kg dry	76.0	22.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 152		µg/kg dry	152	54.5	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 152		µg/kg dry	152	64.9	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 76.0		µg/kg dry	76.0	22.1	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 76.0		µg/kg dry	76.0	18.9	50	"	"	"	"	"	X
100-42-5	Styrene	< 76.0		µg/kg dry	76.0	10.0	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 76.0		µg/kg dry	76.0	18.3	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 76.0		µg/kg dry	76.0	24.1	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 76.0		µg/kg dry	76.0	24.0	50	"	"	"	"	"	X
108-88-3	Toluene	< 76.0		µg/kg dry	76.0	12.2	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 76.0		µg/kg dry	76.0	17.7	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 76.0		µg/kg dry	76.0	12.5	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 76.0		µg/kg dry	76.0	12.0	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 76.0		µg/kg dry	76.0	18.4	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 76.0		µg/kg dry	76.0	23.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 76.0		µg/kg dry	76.0	13.0	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 76.0		µg/kg dry	76.0	34.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 76.0		µg/kg dry	76.0	35.1	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 76.0		µg/kg dry	76.0	19.2	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 76.0		µg/kg dry	76.0	15.9	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 76.0		µg/kg dry	76.0	37.4	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 152		µg/kg dry	152	44.7	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 76.0		µg/kg dry	76.0	23.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 152		µg/kg dry	152	55.6	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 76.0		µg/kg dry	76.0	20.6	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 76.0		µg/kg dry	76.0	42.1	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 76.0		µg/kg dry	76.0	21.1	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 76.0		µg/kg dry	76.0	24.6	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1520		µg/kg dry	1520	1080	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1520		µg/kg dry	1520	448	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 380		µg/kg dry	380	50.2	50	"	"	"	"	"	X
64-17-5	Ethanol	< 15200		µg/kg dry	15200	1310	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 83.8		µg/kg dry	83.8	44.5	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-9	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-16				

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													
208-96-8	Acenaphthylene	< 83.8		µg/kg dry	83.8	43.7	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 415		µg/kg dry	415	26.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 83.8		µg/kg dry	83.8	48.2	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 415		µg/kg dry	415	45.0	1	"	"	"	"	"	
92-87-5	Benzidine	< 829		µg/kg dry	829	26.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 83.8		µg/kg dry	83.8	47.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 83.8		µg/kg dry	83.8	57.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 83.8		µg/kg dry	83.8	63.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 83.8		µg/kg dry	83.8	59.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 83.8		µg/kg dry	83.8	71.6	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 415		µg/kg dry	415	24.9	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 415		µg/kg dry	415	96.0	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 415		µg/kg dry	415	41.8	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 210		µg/kg dry	210	38.8	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 210		µg/kg dry	210	33.7	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 210		µg/kg dry	210	53.4	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 415		µg/kg dry	415	46.9	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 415		µg/kg dry	415	41.6	1	"	"	"	"	"	X
86-74-8	Carbazole	< 210		µg/kg dry	210	48.2	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 415		µg/kg dry	415	48.7	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 210		µg/kg dry	210	25.9	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 415		µg/kg dry	415	56.8	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 210		µg/kg dry	210	40.2	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 415		µg/kg dry	415	40.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 83.8		µg/kg dry	83.8	47.4	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 83.8		µg/kg dry	83.8	61.9	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 210		µg/kg dry	210	56.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 415		µg/kg dry	415	49.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 415		µg/kg dry	415	44.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 415		µg/kg dry	415	47.1	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 415		µg/kg dry	415	45.9	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 210		µg/kg dry	210	50.9	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 415		µg/kg dry	415	43.5	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 415		µg/kg dry	415	46.6	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 415		µg/kg dry	415	32.8	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 415		µg/kg dry	415	44.3	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 415		µg/kg dry	415	59.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 415		µg/kg dry	415	43.0	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 210		µg/kg dry	210	50.2	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 210		µg/kg dry	210	42.8	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 415		µg/kg dry	415	61.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 83.8		µg/kg dry	83.8	49.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-9	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-16				

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													
86-73-7	Fluorene	< 83.8		µg/kg dry	83.8	54.1	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 210		µg/kg dry	210	52.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 210		µg/kg dry	210	52.8	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 210		µg/kg dry	210	52.9	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 210		µg/kg dry	210	47.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 83.8		µg/kg dry	83.8	57.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 210		µg/kg dry	210	32.3	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 83.8		µg/kg dry	83.8	58.7	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 415		µg/kg dry	415	33.3	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 415		µg/kg dry	415	32.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 83.8		µg/kg dry	83.8	48.4	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 415		µg/kg dry	415	37.6	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 415		µg/kg dry	415	38.3	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 210		µg/kg dry	210	55.3	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 210		µg/kg dry	210	48.5	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 210		µg/kg dry	210	36.7	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1660		µg/kg dry	1660	55.1	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 210		µg/kg dry	210	27.4	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 210		µg/kg dry	210	36.7	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 415		µg/kg dry	415	42.2	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 415		µg/kg dry	415	49.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 83.8		µg/kg dry	83.8	47.5	1	"	"	"	"	"	X
108-95-2	Phenol	< 415		µg/kg dry	415	42.0	1	"	"	"	"	"	X
129-00-0	Pyrene	< 83.8		µg/kg dry	83.8	46.2	1	"	"	"	"	"	X
110-86-1	Pyridine	< 415		µg/kg dry	415	98.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 415		µg/kg dry	415	51.0	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 83.8		µg/kg dry	83.8	46.2	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 415		µg/kg dry	415	42.8	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 210		µg/kg dry	210	51.3	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 415		µg/kg dry	415	44.1	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 415		µg/kg dry	415	49.4	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*94*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*79*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*98*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*92*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*81*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 25.3		µg/kg dry	25.3	18.3	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 25.3		µg/kg dry	25.3	7.49	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.3		µg/kg dry	25.3	7.02	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-9	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 25.3		µg/kg dry	25.3	2.41	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 25.3		µg/kg dry	25.3	7.92	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.3		µg/kg dry	25.3	19.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.3		µg/kg dry	25.3	5.45	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.3		µg/kg dry	25.3	5.90	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.3		µg/kg dry	25.3	5.40	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*84*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*82*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*74*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 6.34		µg/kg dry	6.34	0.291	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 6.34		µg/kg dry	6.34	0.405	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 6.34		µg/kg dry	6.34	0.329	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.80		µg/kg dry	3.80	0.672	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 6.34		µg/kg dry	6.34	0.735	1	"	"	"	"	"	X
309-00-2	Aldrin	< 6.34		µg/kg dry	6.34	0.215	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 6.34		µg/kg dry	6.34	0.253	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 6.34		µg/kg dry	6.34	0.291	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 6.34		µg/kg dry	6.34	0.304	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 6.34		µg/kg dry	6.34	0.329	1	"	"	"	"	"	X
72-20-8	Endrin	< 10.1		µg/kg dry	10.1	0.621	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 10.1		µg/kg dry	10.1	0.405	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 10.1		µg/kg dry	10.1	0.532	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 10.1		µg/kg dry	10.1	0.925	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 10.1		µg/kg dry	10.1	4.35	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 10.1		µg/kg dry	10.1	0.684	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 10.1		µg/kg dry	10.1	0.367	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 10.1		µg/kg dry	10.1	1.60	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 6.34		µg/kg dry	6.34	0.266	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 6.34		µg/kg dry	6.34	0.317	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 127		µg/kg dry	127	89.4	1	"	"	"	"	"	X
57-74-9	Chlordane	< 25.3		µg/kg dry	25.3	3.19	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 6.34		µg/kg dry	6.34	0.558	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*57*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*53*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*52*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-9 SC58794-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**129**		mg/kg dry	16.8	14.0	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*82*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*108*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.77		mg/kg dry	3.77	0.203	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**82.3**		mg/kg dry	1.88	0.238	1	"	"	"	"	"	X
7440-39-3	Barium	**29.1**		mg/kg dry	1.26	0.148	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.628		mg/kg dry	0.628	0.0315	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.628		mg/kg dry	0.628	0.0325	1	"	"	"	"	"	X
7440-47-3	Chromium	**24.7**		mg/kg dry	1.26	0.167	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.120		mg/kg dry	0.120	0.0100	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**76.0**		mg/kg dry	1.26	0.144	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**22.9**		mg/kg dry	1.88	0.266	1	"	"	"	"	"	X
7440-36-0	Antimony	< 6.28		mg/kg dry	6.28	0.472	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.88		mg/kg dry	1.88	0.359	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.77		mg/kg dry	3.77	1.38	1	"	"	"	"	"	X
7440-62-2	Vanadium	**39.4**		mg/kg dry	1.88	0.334	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**64.7**		mg/kg dry	3.77	0.972	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**78.7**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.41**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 14-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	14-Jul-20	15-Jul-20 19:54	M-CT007	537320A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*73*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-9 SC58794-16	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 7		mg/kg	7	7	1	SW846 7.3.3.1/90	15-Jul-20	15-Jul-20 13:53	M-CT007	537434A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	15-Jul-20 14:40	M-CT007	537434B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	15-Jul-20 14:43	15-Jul-20 14:43	M-CT007	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-15	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-17				

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													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.55 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 69.5		µg/kg dry	69.5	38.1	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
67-64-1	Acetone	< 695		µg/kg dry	695	87.8	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 69.5		µg/kg dry	69.5	25.1	50	"	"	"	"	"	X
71-43-2	Benzene	< 69.5		µg/kg dry	69.5	11.1	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 69.5		µg/kg dry	69.5	15.7	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 69.5		µg/kg dry	69.5	9.93	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 69.5		µg/kg dry	69.5	17.9	50	"	"	"	"	"	X
75-25-2	Bromoform	< 69.5		µg/kg dry	69.5	14.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 139		µg/kg dry	139	34.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 139		µg/kg dry	139	31.7	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 69.5		µg/kg dry	69.5	27.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 69.5		µg/kg dry	69.5	21.3	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 69.5		µg/kg dry	69.5	28.3	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 139		µg/kg dry	139	25.7	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 69.5		µg/kg dry	69.5	20.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 69.5		µg/kg dry	69.5	8.41	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 139		µg/kg dry	139	31.0	50	"	"	"	"	"	X
67-66-3	Chloroform	< 69.5		µg/kg dry	69.5	8.20	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 139		µg/kg dry	139	82.5	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 69.5		µg/kg dry	69.5	17.2	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 69.5		µg/kg dry	69.5	12.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 139		µg/kg dry	139	27.4	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 69.5		µg/kg dry	69.5	11.0	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 69.5		µg/kg dry	69.5	18.9	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 69.5		µg/kg dry	69.5	13.1	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 69.5		µg/kg dry	69.5	12.5	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 69.5		µg/kg dry	69.5	17.3	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 69.5		µg/kg dry	69.5	12.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 139		µg/kg dry	139	90.9	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 69.5		µg/kg dry	69.5	16.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 69.5		µg/kg dry	69.5	18.2	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 69.5		µg/kg dry	69.5	17.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 69.5		µg/kg dry	69.5	23.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 69.5		µg/kg dry	69.5	15.8	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 69.5		µg/kg dry	69.5	24.1	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 69.5		µg/kg dry	69.5	22.0	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 69.5		µg/kg dry	69.5	18.3	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 69.5		µg/kg dry	69.5	21.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 69.5		µg/kg dry	69.5	16.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 69.5		µg/kg dry	69.5	28.3	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 69.5		µg/kg dry	69.5	14.5	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 69.5		µg/kg dry	69.5	22.2	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 139		µg/kg dry	139	46.2	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-15	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-17				

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													
						Initial weight: 16.55 g							
98-82-8	Isopropylbenzene	< 69.5		µg/kg dry	69.5	25.2	50	SW846 8260C	13-Jul-20	13-Jul-20	DDP	2001076	X
99-87-6	4-Isopropyltoluene	< 69.5		µg/kg dry	69.5	19.2	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 69.5		µg/kg dry	69.5	20.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 139		µg/kg dry	139	49.7	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 139		µg/kg dry	139	59.3	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 69.5		µg/kg dry	69.5	20.1	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 69.5		µg/kg dry	69.5	17.3	50	"	"	"	"	"	X
100-42-5	Styrene	< 69.5		µg/kg dry	69.5	9.17	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 69.5		µg/kg dry	69.5	16.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 69.5		µg/kg dry	69.5	22.0	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 69.5		µg/kg dry	69.5	21.9	50	"	"	"	"	"	X
108-88-3	Toluene	< 69.5		µg/kg dry	69.5	11.2	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 69.5		µg/kg dry	69.5	16.2	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 69.5		µg/kg dry	69.5	11.5	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 69.5		µg/kg dry	69.5	11.0	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 69.5		µg/kg dry	69.5	16.8	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 69.5		µg/kg dry	69.5	21.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 69.5		µg/kg dry	69.5	11.9	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 69.5		µg/kg dry	69.5	31.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 69.5		µg/kg dry	69.5	32.0	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 69.5		µg/kg dry	69.5	17.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 69.5		µg/kg dry	69.5	14.5	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 69.5		µg/kg dry	69.5	34.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 139		µg/kg dry	139	40.8	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 69.5		µg/kg dry	69.5	21.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 139		µg/kg dry	139	50.8	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 69.5		µg/kg dry	69.5	18.8	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 69.5		µg/kg dry	69.5	38.4	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 69.5		µg/kg dry	69.5	19.2	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 69.5		µg/kg dry	69.5	22.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 1390		µg/kg dry	1390	986	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1390		µg/kg dry	1390	409	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 347		µg/kg dry	347	45.8	50	"	"	"	"	"	X
64-17-5	Ethanol	< 13900		µg/kg dry	13900	1200	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3546													
83-32-9	Acenaphthene	< 82.3		µg/kg dry	82.3	43.7	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-15	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-17				

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													
208-96-8	Acenaphthylene	< 82.3		µg/kg dry	82.3	42.9	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
62-53-3	Aniline	< 407		µg/kg dry	407	25.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 82.3		µg/kg dry	82.3	47.4	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 407		µg/kg dry	407	44.2	1	"	"	"	"	"	
92-87-5	Benzidine	< 814		µg/kg dry	814	25.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 82.3		µg/kg dry	82.3	46.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 82.3		µg/kg dry	82.3	56.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 82.3		µg/kg dry	82.3	61.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 82.3		µg/kg dry	82.3	58.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 82.3		µg/kg dry	82.3	70.3	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 407		µg/kg dry	407	24.4	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 407		µg/kg dry	407	94.3	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 407		µg/kg dry	407	41.1	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 206		µg/kg dry	206	38.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 206		µg/kg dry	206	33.1	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 206		µg/kg dry	206	52.4	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 407		µg/kg dry	407	46.0	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 407		µg/kg dry	407	40.8	1	"	"	"	"	"	X
86-74-8	Carbazole	< 206		µg/kg dry	206	47.4	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 407		µg/kg dry	407	47.9	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 206		µg/kg dry	206	25.4	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 407		µg/kg dry	407	55.8	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 206		µg/kg dry	206	39.5	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 407		µg/kg dry	407	39.9	1	"	"	"	"	"	X
218-01-9	Chrysene	< 82.3		µg/kg dry	82.3	46.5	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 82.3		µg/kg dry	82.3	60.8	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 206		µg/kg dry	206	55.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 407		µg/kg dry	407	48.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 407		µg/kg dry	407	43.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 407		µg/kg dry	407	46.3	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 407		µg/kg dry	407	45.0	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 206		µg/kg dry	206	50.0	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 407		µg/kg dry	407	42.7	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 407		µg/kg dry	407	45.8	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 407		µg/kg dry	407	32.2	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 407		µg/kg dry	407	43.6	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 407		µg/kg dry	407	58.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 407		µg/kg dry	407	42.2	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 206		µg/kg dry	206	49.4	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 206		µg/kg dry	206	42.1	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 407		µg/kg dry	407	60.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 82.3		µg/kg dry	82.3	48.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-15	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-17				

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													
86-73-7	Fluorene	< 82.3		µg/kg dry	82.3	53.2	1	SW846 8270D	13-Jul-20	14-Jul-20	BJJ	2001083	X
118-74-1	Hexachlorobenzene	< 206		µg/kg dry	206	51.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 206		µg/kg dry	206	51.8	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 206		µg/kg dry	206	51.9	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 206		µg/kg dry	206	46.5	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 82.3		µg/kg dry	82.3	56.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 206		µg/kg dry	206	31.7	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 82.3		µg/kg dry	82.3	57.6	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 407		µg/kg dry	407	32.7	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 407		µg/kg dry	407	32.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 82.3		µg/kg dry	82.3	47.5	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 407		µg/kg dry	407	36.9	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 407		µg/kg dry	407	37.6	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 206		µg/kg dry	206	54.3	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 206		µg/kg dry	206	47.6	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 206		µg/kg dry	206	36.0	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1630		µg/kg dry	1630	54.2	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 206		µg/kg dry	206	26.9	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 206		µg/kg dry	206	36.0	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 407		µg/kg dry	407	41.5	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 407		µg/kg dry	407	48.5	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 82.3		µg/kg dry	82.3	46.6	1	"	"	"	"	"	X
108-95-2	Phenol	< 407		µg/kg dry	407	41.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 82.3		µg/kg dry	82.3	45.4	1	"	"	"	"	"	X
110-86-1	Pyridine	< 407		µg/kg dry	407	96.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 407		µg/kg dry	407	50.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 82.3		µg/kg dry	82.3	45.4	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 407		µg/kg dry	407	42.1	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 206		µg/kg dry	206	50.3	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 407		µg/kg dry	407	43.3	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 407		µg/kg dry	407	48.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*86*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*77*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*96*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*42*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3546													
12674-11-2	Aroclor-1016	< 24.9		µg/kg dry	24.9	17.9	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
11104-28-2	Aroclor-1221	< 24.9		µg/kg dry	24.9	7.35	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.9		µg/kg dry	24.9	6.89	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-15	1009.073	Soil	09-Jul-20 00:00	10-Jul-20
SC58794-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
53469-21-9	Aroclor-1242	< 24.9		µg/kg dry	24.9	2.36	1	SW846 8082A	13-Jul-20	15-Jul-20	BJJ	2001087	X
12672-29-6	Aroclor-1248	< 24.9		µg/kg dry	24.9	7.77	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.9		µg/kg dry	24.9	19.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.9		µg/kg dry	24.9	5.35	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.9		µg/kg dry	24.9	5.79	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.9		µg/kg dry	24.9	5.30	1	"	"	"	"	"	X
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*71*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
Pesticides													
Organochlorine Pesticides Prepared by method SW846 3546			Z-2										
319-84-6	alpha-BHC	< 6.22		µg/kg dry	6.22	0.286	1	SW846 8081B	13-Jul-20	16-Jul-20	BJJ	2001088	X
319-85-7	beta-BHC	< 6.22		µg/kg dry	6.22	0.398	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 6.22		µg/kg dry	6.22	0.323	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.73		µg/kg dry	3.73	0.659	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 6.22		µg/kg dry	6.22	0.721	1	"	"	"	"	"	X
309-00-2	Aldrin	< 6.22		µg/kg dry	6.22	0.211	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 6.22		µg/kg dry	6.22	0.249	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 6.22		µg/kg dry	6.22	0.286	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 6.22		µg/kg dry	6.22	0.298	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 6.22		µg/kg dry	6.22	0.323	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.95		µg/kg dry	9.95	0.609	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.95		µg/kg dry	9.95	0.398	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.95		µg/kg dry	9.95	0.522	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.95		µg/kg dry	9.95	0.908	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.95		µg/kg dry	9.95	4.27	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.95		µg/kg dry	9.95	0.671	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.95		µg/kg dry	9.95	0.361	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.95		µg/kg dry	9.95	1.57	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 6.22		µg/kg dry	6.22	0.261	1	"	"	"	"	"	X
5103-74-2	gamma-Chlordane	< 6.22		µg/kg dry	6.22	0.311	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 124		µg/kg dry	124	87.7	1	"	"	"	"	"	X
57-74-9	Chlordane	< 24.9		µg/kg dry	24.9	3.13	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 6.22		µg/kg dry	6.22	0.547	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*56*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*41*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-15 SC58794-17	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3546													
	Total Petroleum Hydrocarbons	**168**		mg/kg dry	16.7	13.9	1	SW846 8100Mod.	14-Jul-20	15-Jul-20	BJJ	2001092	
Surrogate recoveries:													
84-15-1	*o-Terphenyl*	*78*			*40-140 %*			"	"	"	"	"	
3386-33-2	*1-Chlorooctadecane*	*104*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
Prepared by method SW846 3050B													
7440-22-4	Silver	< 3.80		mg/kg dry	3.80	0.205	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7440-38-2	Arsenic	**37.8**		mg/kg dry	1.90	0.241	1	"	"	"	"	"	X
7440-39-3	Barium	**46.3**		mg/kg dry	1.27	0.149	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.633		mg/kg dry	0.633	0.0318	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.633		mg/kg dry	0.633	0.0328	1	"	"	"	"	"	X
7440-47-3	Chromium	**31.5**		mg/kg dry	1.27	0.168	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.123		mg/kg dry	0.123	0.0102	1	SW846 7471B	13-Jul-20	13-Jul-20	edt	2001079	X
Prepared by method SW846 3050B													
7440-02-0	Nickel	**37.7**		mg/kg dry	1.27	0.146	1	SW846 6010C	15-Jul-20	15-Jul-20	EDT	2001078	X
7439-92-1	Lead	**25.9**		mg/kg dry	1.90	0.269	1	"	"	"	"	"	X
7440-36-0	Antimony	< 6.33		mg/kg dry	6.33	0.476	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.90		mg/kg dry	1.90	0.362	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.80		mg/kg dry	3.80	1.40	1	"	"	"	"	"	X
7440-62-2	Vanadium	**36.3**		mg/kg dry	1.90	0.337	1	"	"	17-Jul-20	"	"	X
7440-66-6	Zinc	**60.7**		mg/kg dry	3.80	0.980	1	"	"	15-Jul-20	"	"	X
General Chemistry Parameters													
	% Solids	**79.8**		%			1	SM2540 G (11) Mod.	10-Jul-20	14-Jul-20	PN	2001075	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**		N/A			1	SW846 1030	10-Jul-20 17:23	10-Jul-20 21:00	PN	2001074	X
	pH	**5.69**	pH	pH Units			1	SW846 9045D	14-Jul-20 15:31	14-Jul-20 18:55	PN	2001081	X
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW8151A									Methylation date: 14-Jul-20				
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
93-76-5	2,4,5-T	< 80		ug/kg	80	80	10	SW8151A	14-Jul-20	15-Jul-20 21:08	M-CT007	537320A	
93-72-1	2,4,5-TP (Silvex)	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-75-7	2,4-D	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-82-6	2,4-DB	< 80		ug/kg	80	80	10	"	"	"	"	"	
75-99-0	Dalapon	< 80		ug/kg	80	80	10	"	"	"	"	"	
1918-00-9	Dicamba	< 80		ug/kg	80	80	10	"	"	"	"	"	
120-36-5	Dichloroprop	< 80		ug/kg	80	80	10	"	"	"	"	"	
88-85-7	Dinoseb	< 80		ug/kg	80	80	10	"	"	"	"	"	
94-74-6	MCPA	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
7085-19-0	MCPP	< 3300		ug/kg	3300	3300	10	"	"	"	"	"	
Surrogate recoveries:													
19719-28-9	*% DCAA*	*81*			*30-150 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SSS-15 SC58794-17	1009.073	Soil	09-Jul-20 00:00	10-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SW846 7.3.3.1/90													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 7		mg/kg	7	7	1	SW846 7.3.3.1/90	15-Jul-20	15-Jul-20 13:56	M-CT007	537434A	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 20		mg/kg	20	20	1	SW846 CH7	"	15-Jul-20 14:40	M-CT007	537434B	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	15-Jul-20 14:43	15-Jul-20 14:43	M-CT007	'[none]'	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001076 - SW846 5035A Soil (high level)										
Blank (2001076-BLK1)					Prepared & Analyzed: 13-Jul-20					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0		µg/kg wet	50.0						
Acetone	< 500		µg/kg wet	500						
Acrylonitrile	< 50.0		µg/kg wet	50.0						
Benzene	< 50.0		µg/kg wet	50.0						
Bromobenzene	< 50.0		µg/kg wet	50.0						
Bromochloromethane	< 50.0		µg/kg wet	50.0						
Bromodichloromethane	< 50.0		µg/kg wet	50.0						
Bromoform	< 50.0		µg/kg wet	50.0						
Bromomethane	< 100		µg/kg wet	100						
2-Butanone (MEK)	< 100		µg/kg wet	100						
n-Butylbenzene	< 50.0		µg/kg wet	50.0						
sec-Butylbenzene	< 50.0		µg/kg wet	50.0						
tert-Butylbenzene	< 50.0		µg/kg wet	50.0						
Carbon disulfide	< 100		µg/kg wet	100						
Carbon tetrachloride	< 50.0		µg/kg wet	50.0						
Chlorobenzene	< 50.0		µg/kg wet	50.0						
Chloroethane	< 100		µg/kg wet	100						
Chloroform	< 50.0		µg/kg wet	50.0						
Chloromethane	< 100		µg/kg wet	100						
2-Chlorotoluene	< 50.0		µg/kg wet	50.0						
4-Chlorotoluene	< 50.0		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100		µg/kg wet	100						
Dibromochloromethane	< 50.0		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0		µg/kg wet	50.0						
Dibromomethane	< 50.0		µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100		µg/kg wet	100						
1,1-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0		µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0		µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0		µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
Ethylbenzene	< 50.0		µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0		µg/kg wet	50.0						
2-Hexanone (MBK)	< 100		µg/kg wet	100						
Isopropylbenzene	< 50.0		µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0		µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 100		µg/kg wet	100						
Methylene chloride	< 100		µg/kg wet	100						
Naphthalene	< 50.0		µg/kg wet	50.0						
n-Propylbenzene	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001076 - SW846 5035A Soil (high level)										
Blank (2001076-BLK1)					Prepared & Analyzed: 13-Jul-20					
Styrene	< 50.0		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						
Tetrachloroethene	< 50.0		µg/kg wet	50.0						
Toluene	< 50.0		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0		µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0		µg/kg wet	50.0						
Trichloroethene	< 50.0		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0		µg/kg wet	50.0						
1,2,3-Trichloropropane	< 50.0		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
Vinyl chloride	< 50.0		µg/kg wet	50.0						
m,p-Xylene	< 100		µg/kg wet	100						
o-Xylene	< 50.0		µg/kg wet	50.0						
Tetrahydrofuran	< 100		µg/kg wet	100						
Ethyl ether	< 50.0		µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0		µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
Di-isopropyl ether	< 50.0		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 1000		µg/kg wet	1000						
1,4-Dioxane	< 1000		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250		µg/kg wet	250						
Ethanol	< 10000		µg/kg wet	10000						
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/kg		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*52.5*		µg/kg		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/kg		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*53.1*		µg/kg		*50.0*		*106*	*70-130*		
LCS (2001076-BS1)					Prepared & Analyzed: 13-Jul-20					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**26.0**		µg/kg		20.0		130	70-130		
Acetone	**24.3**		µg/kg		20.0		121	70-130		
Acrylonitrile	**23.5**		µg/kg		20.0		117	70-130		
Benzene	**22.7**		µg/kg		20.0		114	70-130		
Bromobenzene	**20.7**		µg/kg		20.0		104	70-130		
Bromochloromethane	**23.7**		µg/kg		20.0		118	70-130		
Bromodichloromethane	**24.1**		µg/kg		20.0		120	70-130		
Bromoform	**22.2**		µg/kg		20.0		111	70-130		
Bromomethane	**19.7**		µg/kg		20.0		98	70-130		
2-Butanone (MEK)	**26.5**	QC2	µg/kg		20.0		133	70-130		
n-Butylbenzene	**17.3**		µg/kg		20.0		86	70-130		
sec-Butylbenzene	**15.9**		µg/kg		20.0		80	70-130		
tert-Butylbenzene	**18.0**		µg/kg		20.0		90	70-130		
Carbon disulfide	**25.3**		µg/kg		20.0		126	70-130		
Carbon tetrachloride	**25.9**		µg/kg		20.0		130	70-130		
Chlorobenzene	**20.9**		µg/kg		20.0		104	70-130		
Chloroethane	**29.3**	QC2	µg/kg		20.0		147	70-130		
Chloroform	**23.8**		µg/kg		20.0		119	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001076 - SW846 5035A Soil (high level)										
LCS (2001076-BS1)					Prepared & Analyzed: 13-Jul-20					
Chloromethane	**26.6**	QC2	µg/kg		20.0		133	70-130		
2-Chlorotoluene	**20.8**		µg/kg		20.0		104	70-130		
4-Chlorotoluene	**21.1**		µg/kg		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	**20.7**		µg/kg		20.0		104	70-130		
Dibromochloromethane	**23.6**		µg/kg		20.0		118	70-130		
1,2-Dibromoethane (EDB)	**24.1**		µg/kg		20.0		120	70-130		
Dibromomethane	**24.6**		µg/kg		20.0		123	70-130		
1,2-Dichlorobenzene	**20.4**		µg/kg		20.0		102	70-130		
1,3-Dichlorobenzene	**21.0**		µg/kg		20.0		105	70-130		
1,4-Dichlorobenzene	**19.8**		µg/kg		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	**29.9**	QC2	µg/kg		20.0		150	70-130		
1,1-Dichloroethane	**25.0**		µg/kg		20.0		125	70-130		
1,2-Dichloroethane	**24.0**		µg/kg		20.0		120	70-130		
1,1-Dichloroethene	**24.4**		µg/kg		20.0		122	70-130		
cis-1,2-Dichloroethene	**22.6**		µg/kg		20.0		113	70-130		
trans-1,2-Dichloroethene	**23.8**		µg/kg		20.0		119	70-130		
1,2-Dichloropropane	**22.1**		µg/kg		20.0		110	70-130		
1,3-Dichloropropane	**22.6**		µg/kg		20.0		113	70-130		
2,2-Dichloropropane	**24.4**		µg/kg		20.0		122	70-130		
1,1-Dichloropropene	**23.2**		µg/kg		20.0		116	70-130		
cis-1,3-Dichloropropene	**22.7**		µg/kg		20.0		114	70-130		
trans-1,3-Dichloropropene	**25.6**		µg/kg		20.0		128	70-130		
Ethylbenzene	**20.2**		µg/kg		20.0		101	70-130		
Hexachlorobutadiene	**15.8**		µg/kg		20.0		79	70-130		
2-Hexanone (MBK)	**29.9**	QC2	µg/kg		20.0		150	70-130		
Isopropylbenzene	**17.6**		µg/kg		20.0		88	70-130		
4-Isopropyltoluene	**16.2**		µg/kg		20.0		81	70-130		
Methyl tert-butyl ether	**22.3**		µg/kg		20.0		111	70-130		
4-Methyl-2-pentanone (MIBK)	**24.1**		µg/kg		20.0		121	70-130		
Methylene chloride	**23.4**		µg/kg		20.0		117	70-130		
Naphthalene	**16.0**		µg/kg		20.0		80	70-130		
n-Propylbenzene	**20.8**		µg/kg		20.0		104	70-130		
Styrene	**18.4**		µg/kg		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	**21.8**		µg/kg		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	**21.2**		µg/kg		20.0		106	70-130		
Tetrachloroethene	**23.7**		µg/kg		20.0		118	70-130		
Toluene	**21.8**		µg/kg		20.0		109	70-130		
1,2,3-Trichlorobenzene	**18.4**		µg/kg		20.0		92	70-130		
1,2,4-Trichlorobenzene	**18.5**		µg/kg		20.0		93	70-130		
1,3,5-Trichlorobenzene	**18.9**		µg/kg		20.0		94	70-130		
1,1,1-Trichloroethane	**24.0**		µg/kg		20.0		120	70-130		
1,1,2-Trichloroethane	**23.9**		µg/kg		20.0		120	70-130		
Trichloroethene	**21.8**		µg/kg		20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	**28.0**	QC2	µg/kg		20.0		140	70-130		
1,2,3-Trichloropropane	**22.8**		µg/kg		20.0		114	70-130		
1,2,4-Trimethylbenzene	**18.0**		µg/kg		20.0		90	70-130		
1,3,5-Trimethylbenzene	**18.2**		µg/kg		20.0		91	70-130		
Vinyl chloride	**24.6**		µg/kg		20.0		123	70-130		
m,p-Xylene	**43.8**		µg/kg		40.0		110	70-130		
o-Xylene	**17.8**		µg/kg		20.0		89	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001076 - SW846 5035A Soil (high level)										
LCS (2001076-BS1)					Prepared & Analyzed: 13-Jul-20					
Tetrahydrofuran	**21.2**		µg/kg		20.0		106	70-130		
Ethyl ether	**23.0**		µg/kg		20.0		115	70-130		
Tert-amyl methyl ether	**23.6**		µg/kg		20.0		118	70-130		
Ethyl tert-butyl ether	**23.3**		µg/kg		20.0		116	70-130		
Di-isopropyl ether	**23.6**		µg/kg		20.0		118	70-130		
Tert-Butanol / butyl alcohol	**254**		µg/kg		200		127	70-130		
1,4-Dioxane	**234**		µg/kg		200		117	70-130		
trans-1,4-Dichloro-2-butene	**21.2**		µg/kg		20.0		106	70-130		
Ethanol	**476**		µg/kg		400		119	70-130		
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/kg		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*52.4*		µg/kg		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/kg		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*54.7*		µg/kg		*50.0*		*109*	*70-130*		
LCS Dup (2001076-BSD1)					Prepared & Analyzed: 13-Jul-20					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**26.3**	QC2	µg/kg		20.0		131	70-130	1	30
Acetone	**28.6**	QC2	µg/kg		20.0		143	70-130	16	30
Acrylonitrile	**24.0**		µg/kg		20.0		120	70-130	2	30
Benzene	**23.0**		µg/kg		20.0		115	70-130	1	30
Bromobenzene	**20.8**		µg/kg		20.0		104	70-130	0.3	30
Bromochloromethane	**24.4**		µg/kg		20.0		122	70-130	3	30
Bromodichloromethane	**23.2**		µg/kg		20.0		116	70-130	4	30
Bromoform	**22.5**		µg/kg		20.0		112	70-130	1	30
Bromomethane	**20.1**		µg/kg		20.0		101	70-130	2	30
2-Butanone (MEK)	**21.8**		µg/kg		20.0		109	70-130	19	30
n-Butylbenzene	**17.8**		µg/kg		20.0		89	70-130	3	30
sec-Butylbenzene	**16.6**		µg/kg		20.0		83	70-130	4	30
tert-Butylbenzene	**18.3**		µg/kg		20.0		92	70-130	2	30
Carbon disulfide	**25.7**		µg/kg		20.0		128	70-130	2	30
Carbon tetrachloride	**25.0**		µg/kg		20.0		125	70-130	4	30
Chlorobenzene	**21.4**		µg/kg		20.0		107	70-130	2	30
Chloroethane	**27.3**	QC2	µg/kg		20.0		137	70-130	7	30
Chloroform	**23.5**		µg/kg		20.0		118	70-130	0.9	30
Chloromethane	**27.5**	QC2	µg/kg		20.0		137	70-130	3	30
2-Chlorotoluene	**21.2**		µg/kg		20.0		106	70-130	2	30
4-Chlorotoluene	**22.1**		µg/kg		20.0		110	70-130	4	30
1,2-Dibromo-3-chloropropane	**22.2**		µg/kg		20.0		111	70-130	7	30
Dibromochloromethane	**24.3**		µg/kg		20.0		122	70-130	3	30
1,2-Dibromoethane (EDB)	**24.4**		µg/kg		20.0		122	70-130	1	30
Dibromomethane	**24.6**		µg/kg		20.0		123	70-130	0.1	30
1,2-Dichlorobenzene	**21.2**		µg/kg		20.0		106	70-130	4	30
1,3-Dichlorobenzene	**21.7**		µg/kg		20.0		108	70-130	3	30
1,4-Dichlorobenzene	**20.3**		µg/kg		20.0		101	70-130	3	30
Dichlorodifluoromethane (Freon12)	**29.9**	QC2	µg/kg		20.0		150	70-130	0.03	30
1,1-Dichloroethane	**25.0**		µg/kg		20.0		125	70-130	0.04	30
1,2-Dichloroethane	**23.7**		µg/kg		20.0		118	70-130	1	30
1,1-Dichloroethene	**24.1**		µg/kg		20.0		121	70-130	0.9	30
cis-1,2-Dichloroethene	**22.5**		µg/kg		20.0		113	70-130	0.2	30
trans-1,2-Dichloroethene	**24.3**		µg/kg		20.0		121	70-130	2	30
1,2-Dichloropropane	**22.4**		µg/kg		20.0		112	70-130	1	30
1,3-Dichloropropane	**22.5**		µg/kg		20.0		112	70-130	0.5	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001076 - SW846 5035A Soil (high level)										
LCS Dup (2001076-BSD1)						Prepared & Analyzed: 13-Jul-20				
2,2-Dichloropropane	**24.8**		µg/kg		20.0		124	70-130	2	30
1,1-Dichloropropene	**22.5**		µg/kg		20.0		113	70-130	3	30
cis-1,3-Dichloropropene	**22.9**		µg/kg		20.0		114	70-130	0.8	30
trans-1,3-Dichloropropene	**25.6**		µg/kg		20.0		128	70-130	0.04	30
Ethylbenzene	**20.8**		µg/kg		20.0		104	70-130	3	30
Hexachlorobutadiene	**16.6**		µg/kg		20.0		83	70-130	5	30
2-Hexanone (MBK)	**25.9**		µg/kg		20.0		130	70-130	14	30
Isopropylbenzene	**18.3**		µg/kg		20.0		92	70-130	4	30
4-Isopropyltoluene	**16.6**		µg/kg		20.0		83	70-130	3	30
Methyl tert-butyl ether	**23.0**		µg/kg		20.0		115	70-130	3	30
4-Methyl-2-pentanone (MIBK)	**24.5**		µg/kg		20.0		122	70-130	1	30
Methylene chloride	**22.9**		µg/kg		20.0		114	70-130	2	30
Naphthalene	**18.5**		µg/kg		20.0		92	70-130	14	30
n-Propylbenzene	**21.4**		µg/kg		20.0		107	70-130	3	30
Styrene	**18.7**		µg/kg		20.0		93	70-130	2	30
1,1,1,2-Tetrachloroethane	**22.4**		µg/kg		20.0		112	70-130	2	30
1,1,2,2-Tetrachloroethane	**21.8**		µg/kg		20.0		109	70-130	3	30
Tetrachloroethene	**23.2**		µg/kg		20.0		116	70-130	2	30
Toluene	**22.1**		µg/kg		20.0		111	70-130	2	30
1,2,3-Trichlorobenzene	**19.2**		µg/kg		20.0		96	70-130	4	30
1,2,4-Trichlorobenzene	**19.3**		µg/kg		20.0		96	70-130	4	30
1,3,5-Trichlorobenzene	**19.3**		µg/kg		20.0		97	70-130	3	30
1,1,1-Trichloroethane	**24.1**		µg/kg		20.0		121	70-130	0.7	30
1,1,2-Trichloroethane	**23.8**		µg/kg		20.0		119	70-130	0.6	30
Trichloroethene	**21.8**		µg/kg		20.0		109	70-130	0.1	30
Trichlorofluoromethane (Freon 11)	**27.6**	QC2	µg/kg		20.0		138	70-130	1	30
1,2,3-Trichloropropane	**22.6**		µg/kg		20.0		113	70-130	0.7	30
1,2,4-Trimethylbenzene	**18.8**		µg/kg		20.0		94	70-130	5	30
1,3,5-Trimethylbenzene	**18.5**		µg/kg		20.0		93	70-130	2	30
Vinyl chloride	**25.6**		µg/kg		20.0		128	70-130	4	30
m,p-Xylene	**45.2**		µg/kg		40.0		113	70-130	3	30
o-Xylene	**18.7**		µg/kg		20.0		93	70-130	5	30
Tetrahydrofuran	**23.4**		µg/kg		20.0		117	70-130	10	30
Ethyl ether	**22.7**		µg/kg		20.0		113	70-130	1	30
Tert-amyl methyl ether	**23.8**		µg/kg		20.0		119	70-130	0.8	30
Ethyl tert-butyl ether	**23.6**		µg/kg		20.0		118	70-130	1	30
Di-isopropyl ether	**24.2**		µg/kg		20.0		121	70-130	3	30
Tert-Butanol / butyl alcohol	**252**		µg/kg		200		126	70-130	1	30
1,4-Dioxane	**238**		µg/kg		200		119	70-130	2	30
trans-1,4-Dichloro-2-butene	**21.6**		µg/kg		20.0		108	70-130	2	30
Ethanol	**474**		µg/kg		400		119	70-130	0.4	30
Surrogate: 4-Bromofluorobenzene	*52.6*		µg/kg		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*51.9*		µg/kg		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.8*		µg/kg		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*54.1*		µg/kg		*50.0*		*108*	*70-130*		
Duplicate (2001076-DUP1)			**Source: SC58794-17**			Prepared & Analyzed: 13-Jul-20				
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 69.5		µg/kg dry	69.5		BRL				30
Acetone	< 695		µg/kg dry	695		BRL				30
Acrylonitrile	< 69.5		µg/kg dry	69.5		BRL				30
Benzene	< 69.5		µg/kg dry	69.5		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001076 - SW846 5035A Soil (high level)										
Duplicate (2001076-DUP1)			**Source: SC58794-17**		Prepared & Analyzed: 13-Jul-20					
Bromobenzene	< 69.5		µg/kg dry	69.5		BRL				30
Bromochloromethane	< 69.5		µg/kg dry	69.5		BRL				30
Bromodichloromethane	< 69.5		µg/kg dry	69.5		BRL				30
Bromoform	< 69.5		µg/kg dry	69.5		BRL				30
Bromomethane	< 139		µg/kg dry	139		BRL				30
2-Butanone (MEK)	< 139		µg/kg dry	139		BRL				30
n-Butylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
sec-Butylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
tert-Butylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
Carbon disulfide	< 139		µg/kg dry	139		BRL				30
Carbon tetrachloride	< 69.5		µg/kg dry	69.5		BRL				30
Chlorobenzene	< 69.5		µg/kg dry	69.5		BRL				30
Chloroethane	< 139		µg/kg dry	139		BRL				30
Chloroform	< 69.5		µg/kg dry	69.5		BRL				30
Chloromethane	< 139		µg/kg dry	139		BRL				30
2-Chlorotoluene	< 69.5		µg/kg dry	69.5		BRL				30
4-Chlorotoluene	< 69.5		µg/kg dry	69.5		BRL				30
1,2-Dibromo-3-chloropropane	< 139		µg/kg dry	139		BRL				30
Dibromochloromethane	< 69.5		µg/kg dry	69.5		BRL				30
1,2-Dibromoethane (EDB)	< 69.5		µg/kg dry	69.5		BRL				30
Dibromomethane	< 69.5		µg/kg dry	69.5		BRL				30
1,2-Dichlorobenzene	< 69.5		µg/kg dry	69.5		BRL				30
1,3-Dichlorobenzene	< 69.5		µg/kg dry	69.5		BRL				30
1,4-Dichlorobenzene	< 69.5		µg/kg dry	69.5		BRL				30
Dichlorodifluoromethane (Freon12)	< 139		µg/kg dry	139		BRL				30
1,1-Dichloroethane	< 69.5		µg/kg dry	69.5		BRL				30
1,2-Dichloroethane	< 69.5		µg/kg dry	69.5		BRL				30
1,1-Dichloroethene	< 69.5		µg/kg dry	69.5		BRL				30
cis-1,2-Dichloroethene	< 69.5		µg/kg dry	69.5		BRL				30
trans-1,2-Dichloroethene	< 69.5		µg/kg dry	69.5		BRL				30
1,2-Dichloropropane	< 69.5		µg/kg dry	69.5		BRL				30
1,3-Dichloropropane	< 69.5		µg/kg dry	69.5		BRL				30
2,2-Dichloropropane	< 69.5		µg/kg dry	69.5		BRL				30
1,1-Dichloropropene	< 69.5		µg/kg dry	69.5		BRL				30
cis-1,3-Dichloropropene	< 69.5		µg/kg dry	69.5		BRL				30
trans-1,3-Dichloropropene	< 69.5		µg/kg dry	69.5		BRL				30
Ethylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
Hexachlorobutadiene	< 69.5		µg/kg dry	69.5		BRL				30
2-Hexanone (MBK)	< 139		µg/kg dry	139		BRL				30
Isopropylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
4-Isopropyltoluene	< 69.5		µg/kg dry	69.5		BRL				30
Methyl tert-butyl ether	< 69.5		µg/kg dry	69.5		BRL				30
4-Methyl-2-pentanone (MIBK)	< 139		µg/kg dry	139		BRL				30
Methylene chloride	< 139		µg/kg dry	139		BRL				30
Naphthalene	< 69.5		µg/kg dry	69.5		BRL				30
n-Propylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
Styrene	< 69.5		µg/kg dry	69.5		BRL				30
1,1,1,2-Tetrachloroethane	< 69.5		µg/kg dry	69.5		BRL				30
1,1,2,2-Tetrachloroethane	< 69.5		µg/kg dry	69.5		BRL				30
Tetrachloroethene	< 69.5		µg/kg dry	69.5		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001076 - SW846 5035A Soil (high level)										
Duplicate (2001076-DUP1)			**Source: SC58794-17**		Prepared & Analyzed: 13-Jul-20					
Toluene	< 69.5		µg/kg dry	69.5		BRL				30
1,2,3-Trichlorobenzene	< 69.5		µg/kg dry	69.5		BRL				30
1,2,4-Trichlorobenzene	< 69.5		µg/kg dry	69.5		BRL				30
1,3,5-Trichlorobenzene	< 69.5		µg/kg dry	69.5		BRL				30
1,1,1-Trichloroethane	< 69.5		µg/kg dry	69.5		BRL				30
1,1,2-Trichloroethane	< 69.5		µg/kg dry	69.5		BRL				30
Trichloroethene	< 69.5		µg/kg dry	69.5		BRL				30
Trichlorofluoromethane (Freon 11)	< 69.5		µg/kg dry	69.5		BRL				30
1,2,3-Trichloropropane	< 69.5		µg/kg dry	69.5		BRL				30
1,2,4-Trimethylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
1,3,5-Trimethylbenzene	< 69.5		µg/kg dry	69.5		BRL				30
Vinyl chloride	< 69.5		µg/kg dry	69.5		BRL				30
m,p-Xylene	< 139		µg/kg dry	139		BRL				30
o-Xylene	< 69.5		µg/kg dry	69.5		BRL				30
Tetrahydrofuran	< 139		µg/kg dry	139		BRL				30
Ethyl ether	< 69.5		µg/kg dry	69.5		BRL				30
Tert-amyl methyl ether	< 69.5		µg/kg dry	69.5		BRL				30
Ethyl tert-butyl ether	< 69.5		µg/kg dry	69.5		BRL				30
Di-isopropyl ether	< 69.5		µg/kg dry	69.5		BRL				30
Tert-Butanol / butyl alcohol	< 1390		µg/kg dry	1390		BRL				30
1,4-Dioxane	< 1390		µg/kg dry	1390		BRL				30
trans-1,4-Dichloro-2-butene	< 347		µg/kg dry	347		BRL				30
Ethanol	< 13900		µg/kg dry	13900		BRL				30
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*53.8*		µg/kg		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.9*		µg/kg		*50.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*52.9*		µg/kg		*50.0*		*106*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
Blank (2001083-BLK1)					Prepared & Analyzed: 13-Jul-20					
Acenaphthene	< 66.7		µg/kg wet	66.7						
Acenaphthylene	< 66.7		µg/kg wet	66.7						
Aniline	< 330		µg/kg wet	330						
Anthracene	< 66.7		µg/kg wet	66.7						
Azobenzene/Diphenyldiazene	< 330		µg/kg wet	330						
Benzidine	< 660		µg/kg wet	660						
Benzo (a) anthracene	< 66.7		µg/kg wet	66.7						
Benzo (a) pyrene	< 66.7		µg/kg wet	66.7						
Benzo (b) fluoranthene	< 66.7		µg/kg wet	66.7						
Benzo (g,h,i) perylene	< 66.7		µg/kg wet	66.7						
Benzo (k) fluoranthene	< 66.7		µg/kg wet	66.7						
Benzoic acid	< 330		µg/kg wet	330						
Benzyl alcohol	< 330		µg/kg wet	330						
Bis(2-chloroethoxy)methane	< 330		µg/kg wet	330						
Bis(2-chloroethyl)ether	< 167		µg/kg wet	167						
Bis(2-chloroisopropyl)ether	< 167		µg/kg wet	167						
Bis(2-ethylhexyl)phthalate	< 167		µg/kg wet	167						
4-Bromophenyl phenyl ether	< 330		µg/kg wet	330						
Butyl benzyl phthalate	< 330		µg/kg wet	330						
Carbazole	< 167		µg/kg wet	167						
4-Chloro-3-methylphenol	< 330		µg/kg wet	330						
4-Chloroaniline	< 167		µg/kg wet	167						
2-Chloronaphthalene	< 330		µg/kg wet	330						
2-Chlorophenol	< 167		µg/kg wet	167						
4-Chlorophenyl phenyl ether	< 330		µg/kg wet	330						
Chrysene	< 66.7		µg/kg wet	66.7						
Dibenzo (a,h) anthracene	< 66.7		µg/kg wet	66.7						
Dibenzofuran	< 167		µg/kg wet	167						
1,2-Dichlorobenzene	< 330		µg/kg wet	330						
1,3-Dichlorobenzene	< 330		µg/kg wet	330						
1,4-Dichlorobenzene	< 330		µg/kg wet	330						
3,3´-Dichlorobenzidine	< 330		µg/kg wet	330						
2,4-Dichlorophenol	< 167		µg/kg wet	167						
Diethyl phthalate	< 330		µg/kg wet	330						
Dimethyl phthalate	< 330		µg/kg wet	330						
2,4-Dimethylphenol	< 330		µg/kg wet	330						
Di-n-butyl phthalate	< 330		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	< 330		µg/kg wet	330						
2,4-Dinitrophenol	< 330		µg/kg wet	330						
2,4-Dinitrotoluene	< 167		µg/kg wet	167						
2,6-Dinitrotoluene	< 167		µg/kg wet	167						
Di-n-octyl phthalate	< 330		µg/kg wet	330						
Fluoranthene	< 66.7		µg/kg wet	66.7						
Fluorene	< 66.7		µg/kg wet	66.7						
Hexachlorobenzene	< 167		µg/kg wet	167						
Hexachlorobutadiene	< 167		µg/kg wet	167						
Hexachlorocyclopentadiene	< 167		µg/kg wet	167						
Hexachloroethane	< 167		µg/kg wet	167						
Indeno (1,2,3-cd) pyrene	< 66.7		µg/kg wet	66.7						
Isophorone	< 167		µg/kg wet	167						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
Blank (2001083-BLK1)					Prepared & Analyzed: 13-Jul-20					
2-Methylnaphthalene	< 66.7		µg/kg wet	66.7						
2-Methylphenol	< 330		µg/kg wet	330						
3 & 4-Methylphenol	< 330		µg/kg wet	330						
Naphthalene	< 66.7		µg/kg wet	66.7						
2-Nitroaniline	< 330		µg/kg wet	330						
3-Nitroaniline	< 330		µg/kg wet	330						
4-Nitroaniline	< 167		µg/kg wet	167						
Nitrobenzene	< 167		µg/kg wet	167						
2-Nitrophenol	< 167		µg/kg wet	167						
4-Nitrophenol	< 1320		µg/kg wet	1320						
N-Nitrosodimethylamine	< 167		µg/kg wet	167						
N-Nitrosodi-n-propylamine	< 167		µg/kg wet	167						
N-Nitrosodiphenylamine	< 330		µg/kg wet	330						
Pentachlorophenol	< 330		µg/kg wet	330						
Phenanthrene	< 66.7		µg/kg wet	66.7						
Phenol	< 330		µg/kg wet	330						
Pyrene	< 66.7		µg/kg wet	66.7						
Pyridine	< 330		µg/kg wet	330						
1,2,4-Trichlorobenzene	< 330		µg/kg wet	330						
1-Methylnaphthalene	< 66.7		µg/kg wet	66.7						
2,4,5-Trichlorophenol	< 330		µg/kg wet	330						
2,4,6-Trichlorophenol	< 167		µg/kg wet	167						
Pentachloronitrobenzene	< 330		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	< 330		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*1570*		µg/kg wet		*1670*		*94*	*30-130*		
Surrogate: 2-Fluorophenol	*1520*		µg/kg wet		*1670*		*91*	*30-130*		
Surrogate: Nitrobenzene-d5	*1510*		µg/kg wet		*1670*		*90*	*30-130*		
Surrogate: Phenol-d5	*1760*		µg/kg wet		*1670*		*106*	*30-130*		
Surrogate: Terphenyl-dl4	*1580*		µg/kg wet		*1670*		*95*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1450*		µg/kg wet		*1670*		*87*	*30-130*		
LCS (2001083-BS1)					Prepared & Analyzed: 13-Jul-20					
Acenaphthene	**1430**		µg/kg wet	66.7	1670		86	40-140		
Acenaphthylene	**1420**		µg/kg wet	66.7	1670		85	40-140		
Aniline	**775**		µg/kg wet	330	1670		47	40-140		
Anthracene	**1510**		µg/kg wet	66.7	1670		90	40-140		
Azobenzene/Diphenyldiazene	**1470**		µg/kg wet	330	1670		88	40-140		
Benzidine	**663**		µg/kg wet	660	1670		40	40-140		
Benzo (a) anthracene	**1660**		µg/kg wet	66.7	1670		99	40-140		
Benzo (a) pyrene	**1820**		µg/kg wet	66.7	1670		109	40-140		
Benzo (b) fluoranthene	**1710**		µg/kg wet	66.7	1670		103	40-140		
Benzo (g,h,i) perylene	**1710**		µg/kg wet	66.7	1670		102	40-140		
Benzo (k) fluoranthene	**1680**		µg/kg wet	66.7	1670		101	40-140		
Benzoic acid	**1650**		µg/kg wet	330	1670		99	30-130		
Benzyl alcohol	**1350**		µg/kg wet	330	1670		81	40-140		
Bis(2-chloroethoxy)methane	**1360**		µg/kg wet	330	1670		82	40-140		
Bis(2-chloroethyl)ether	**1060**		µg/kg wet	167	1670		63	40-140		
Bis(2-chloroisopropyl)ether	**904**		µg/kg wet	167	1670		54	40-140		
Bis(2-ethylhexyl)phthalate	**1650**		µg/kg wet	167	1670		99	40-140		
4-Bromophenyl phenyl ether	**1440**		µg/kg wet	330	1670		86	40-140		
Butyl benzyl phthalate	**1660**		µg/kg wet	330	1670		100	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
LCS (2001083-BS1)					Prepared & Analyzed: 13-Jul-20					
Carbazole	**1480**		µg/kg wet	167	1670		89	40-140		
4-Chloro-3-methylphenol	**1600**		µg/kg wet	330	1670		96	30-130		
4-Chloroaniline	**1020**		µg/kg wet	167	1670		61	40-140		
2-Chloronaphthalene	**1560**		µg/kg wet	330	1670		94	40-140		
2-Chlorophenol	**1240**		µg/kg wet	167	1670		75	30-130		
4-Chlorophenyl phenyl ether	**1250**		µg/kg wet	330	1670		75	40-140		
Chrysene	**1580**		µg/kg wet	66.7	1670		95	40-140		
Dibenzo (a,h) anthracene	**1760**		µg/kg wet	66.7	1670		106	40-140		
Dibenzofuran	**1840**		µg/kg wet	167	1670		111	40-140		
1,2-Dichlorobenzene	**1430**		µg/kg wet	330	1670		86	40-140		
1,3-Dichlorobenzene	**1310**		µg/kg wet	330	1670		78	40-140		
1,4-Dichlorobenzene	**1220**		µg/kg wet	330	1670		73	40-140		
3,3´-Dichlorobenzidine	**1720**		µg/kg wet	330	1670		103	40-140		
2,4-Dichlorophenol	**1310**		µg/kg wet	167	1670		79	30-130		
Diethyl phthalate	**1510**		µg/kg wet	330	1670		90	40-140		
Dimethyl phthalate	**1440**		µg/kg wet	330	1670		86	40-140		
2,4-Dimethylphenol	**1480**		µg/kg wet	330	1670		89	30-130		
Di-n-butyl phthalate	**1490**		µg/kg wet	330	1670		89	40-140		
4,6-Dinitro-2-methylphenol	**2110**		µg/kg wet	330	1670		126	30-130		
2,4-Dinitrophenol	**1990**		µg/kg wet	330	1670		120	30-130		
2,4-Dinitrotoluene	**1840**		µg/kg wet	167	1670		110	40-140		
2,6-Dinitrotoluene	**1260**		µg/kg wet	167	1670		76	40-140		
Di-n-octyl phthalate	**1710**		µg/kg wet	330	1670		103	40-140		
Fluoranthene	**1430**		µg/kg wet	66.7	1670		86	40-140		
Fluorene	**1130**		µg/kg wet	66.7	1670		68	40-140		
Hexachlorobenzene	**1590**		µg/kg wet	167	1670		96	40-140		
Hexachlorobutadiene	**1490**		µg/kg wet	167	1670		89	40-140		
Hexachlorocyclopentadiene	**1840**		µg/kg wet	167	1670		110	40-140		
Hexachloroethane	**1410**		µg/kg wet	167	1670		85	40-140		
Indeno (1,2,3-cd) pyrene	**1900**		µg/kg wet	66.7	1670		114	40-140		
Isophorone	**1240**		µg/kg wet	167	1670		75	40-140		
2-Methylnaphthalene	**1630**		µg/kg wet	66.7	1670		98	40-140		
2-Methylphenol	**1770**		µg/kg wet	330	1670		106	30-130		
3 & 4-Methylphenol	**1260**		µg/kg wet	330	1670		76	30-130		
Naphthalene	**1480**		µg/kg wet	66.7	1670		89	40-140		
2-Nitroaniline	**1290**		µg/kg wet	330	1670		77	40-140		
3-Nitroaniline	**1180**		µg/kg wet	330	1670		71	40-140		
4-Nitroaniline	**1390**		µg/kg wet	167	1670		84	40-140		
Nitrobenzene	**1430**		µg/kg wet	167	1670		86	40-140		
2-Nitrophenol	**1560**		µg/kg wet	167	1670		93	30-130		
4-Nitrophenol	**1730**		µg/kg wet	1320	1670		104	30-130		
N-Nitrosodimethylamine	**1020**		µg/kg wet	167	1670		61	40-140		
N-Nitrosodi-n-propylamine	**1120**		µg/kg wet	167	1670		67	40-140		
N-Nitrosodiphenylamine	**1400**		µg/kg wet	330	1670		84	40-140		
Pentachlorophenol	**1370**		µg/kg wet	330	1670		82	30-130		
Phenanthrene	**1450**		µg/kg wet	66.7	1670		87	40-140		
Phenol	**1360**		µg/kg wet	330	1670		81	30-130		
Pyrene	**1790**		µg/kg wet	66.7	1670		108	40-140		
Pyridine	**722**		µg/kg wet	330	1670		43	40-140		
1,2,4-Trichlorobenzene	**1600**		µg/kg wet	330	1670		96	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
LCS (2001083-BS1)					Prepared & Analyzed: 13-Jul-20					
1-Methylnaphthalene	**1610**		µg/kg wet	66.7	1670		96	40-140		
2,4,5-Trichlorophenol	**1340**		µg/kg wet	330	1670		80	30-130		
2,4,6-Trichlorophenol	**1450**		µg/kg wet	167	1670		87	30-130		
Pentachloronitrobenzene	**1460**		µg/kg wet	330	1670		88	40-140		
1,2,4,5-Tetrachlorobenzene	**1360**		µg/kg wet	330	1670		81	40-140		
Surrogate: 2-Fluorobiphenyl	*1570*		µg/kg wet		*1670*		*94*	*30-130*		
Surrogate: 2-Fluorophenol	*1240*		µg/kg wet		*1670*		*74*	*30-130*		
Surrogate: Nitrobenzene-d5	*1470*		µg/kg wet		*1670*		*88*	*30-130*		
Surrogate: Phenol-d5	*1360*		µg/kg wet		*1670*		*82*	*30-130*		
Surrogate: Terphenyl-dl4	*1750*		µg/kg wet		*1670*		*105*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1820*		µg/kg wet		*1670*		*109*	*30-130*		
LCS Dup (2001083-BSD1)					Prepared & Analyzed: 13-Jul-20					
Acenaphthene	**1490**		µg/kg wet	66.7	1670		89	40-140	4	30
Acenaphthylene	**1460**		µg/kg wet	66.7	1670		87	40-140	2	30
Aniline	**785**		µg/kg wet	330	1670		47	40-140	1	30
Anthracene	**1510**		µg/kg wet	66.7	1670		91	40-140	0.5	30
Azobenzene/Diphenyldiazene	**1530**		µg/kg wet	330	1670		92	40-140	4	30
Benzidine	**829**		µg/kg wet	660	1670		50	40-140	22	30
Benzo (a) anthracene	**1710**		µg/kg wet	66.7	1670		102	40-140	3	30
Benzo (a) pyrene	**1830**		µg/kg wet	66.7	1670		110	40-140	0.5	30
Benzo (b) fluoranthene	**1700**		µg/kg wet	66.7	1670		102	40-140	0.5	30
Benzo (g,h,i) perylene	**1710**		µg/kg wet	66.7	1670		102	40-140	0.06	30
Benzo (k) fluoranthene	**1750**		µg/kg wet	66.7	1670		105	40-140	4	30
Benzoic acid	**1650**		µg/kg wet	330	1670		99	30-130	0.3	30
Benzyl alcohol	**1370**		µg/kg wet	330	1670		82	40-140	1	30
Bis(2-chloroethoxy)methane	**1430**		µg/kg wet	330	1670		86	40-140	5	30
Bis(2-chloroethyl)ether	**1090**		µg/kg wet	167	1670		66	40-140	3	30
Bis(2-chloroisopropyl)ether	**923**		µg/kg wet	167	1670		55	40-140	2	30
Bis(2-ethylhexyl)phthalate	**1830**		µg/kg wet	167	1670		110	40-140	10	30
4-Bromophenyl phenyl ether	**1450**		µg/kg wet	330	1670		87	40-140	0.9	30
Butyl benzyl phthalate	**1680**		µg/kg wet	330	1670		101	40-140	1	30
Carbazole	**1490**		µg/kg wet	167	1670		90	40-140	0.5	30
4-Chloro-3-methylphenol	**1600**		µg/kg wet	330	1670		96	30-130	0.02	30
4-Chloroaniline	**1040**		µg/kg wet	167	1670		62	40-140	1	30
2-Chloronaphthalene	**1610**		µg/kg wet	330	1670		97	40-140	3	30
2-Chlorophenol	**1270**		µg/kg wet	167	1670		76	30-130	2	30
4-Chlorophenyl phenyl ether	**1260**		µg/kg wet	330	1670		76	40-140	0.9	30
Chrysene	**1620**		µg/kg wet	66.7	1670		97	40-140	3	30
Dibenzo (a,h) anthracene	**1770**		µg/kg wet	66.7	1670		106	40-140	0.7	30
Dibenzofuran	**1890**		µg/kg wet	167	1670		113	40-140	2	30
1,2-Dichlorobenzene	**1510**		µg/kg wet	330	1670		91	40-140	5	30
1,3-Dichlorobenzene	**1320**		µg/kg wet	330	1670		79	40-140	1	30
1,4-Dichlorobenzene	**1230**		µg/kg wet	330	1670		74	40-140	0.9	30
3,3´-Dichlorobenzidine	**1790**		µg/kg wet	330	1670		107	40-140	4	30
2,4-Dichlorophenol	**1360**		µg/kg wet	167	1670		82	30-130	4	30
Diethyl phthalate	**1500**		µg/kg wet	330	1670		90	40-140	0.7	30
Dimethyl phthalate	**1400**		µg/kg wet	330	1670		84	40-140	3	30
2,4-Dimethylphenol	**1510**		µg/kg wet	330	1670		91	30-130	2	30
Di-n-butyl phthalate	**1500**		µg/kg wet	330	1670		90	40-140	0.8	30
4,6-Dinitro-2-methylphenol	**2100**		µg/kg wet	330	1670		126	30-130	0.08	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
LCS Dup (2001083-BSD1)					Prepared & Analyzed: 13-Jul-20					
2,4-Dinitrophenol	**2140**		µg/kg wet	330	1670		129	30-130	7	30
2,4-Dinitrotoluene	**1770**		µg/kg wet	167	1670		106	40-140	4	30
2,6-Dinitrotoluene	**1350**		µg/kg wet	167	1670		81	40-140	7	30
Di-n-octyl phthalate	**1730**		µg/kg wet	330	1670		104	40-140	0.9	30
Fluoranthene	**1460**		µg/kg wet	66.7	1670		88	40-140	2	30
Fluorene	**1170**		µg/kg wet	66.7	1670		70	40-140	3	30
Hexachlorobenzene	**1640**		µg/kg wet	167	1670		98	40-140	3	30
Hexachlorobutadiene	**1540**		µg/kg wet	167	1670		92	40-140	3	30
Hexachlorocyclopentadiene	**2270**		µg/kg wet	167	1670		136	40-140	21	30
Hexachloroethane	**1420**		µg/kg wet	167	1670		85	40-140	0.7	30
Indeno (1,2,3-cd) pyrene	**1910**		µg/kg wet	66.7	1670		114	40-140	0.4	30
Isophorone	**1260**		µg/kg wet	167	1670		76	40-140	1	30
2-Methylnaphthalene	**1680**		µg/kg wet	66.7	1670		101	40-140	3	30
2-Methylphenol	**1800**		µg/kg wet	330	1670		108	30-130	2	30
3 & 4-Methylphenol	**1230**		µg/kg wet	330	1670		74	30-130	2	30
Naphthalene	**1460**		µg/kg wet	66.7	1670		88	40-140	1	30
2-Nitroaniline	**1430**		µg/kg wet	330	1670		86	40-140	10	30
3-Nitroaniline	**1160**		µg/kg wet	330	1670		70	40-140	1	30
4-Nitroaniline	**1390**		µg/kg wet	167	1670		83	40-140	0.1	30
Nitrobenzene	**1520**		µg/kg wet	167	1670		91	40-140	6	30
2-Nitrophenol	**1640**		µg/kg wet	167	1670		98	30-130	5	30
4-Nitrophenol	**1810**		µg/kg wet	1320	1670		109	30-130	5	30
N-Nitrosodimethylamine	**739**	QC6	µg/kg wet	167	1670		44	40-140	32	30
N-Nitrosodi-n-propylamine	**1190**		µg/kg wet	167	1670		71	40-140	6	30
N-Nitrosodiphenylamine	**1370**		µg/kg wet	330	1670		82	40-140	3	30
Pentachlorophenol	**1320**		µg/kg wet	330	1670		79	30-130	4	30
Phenanthrene	**1490**		µg/kg wet	66.7	1670		90	40-140	3	30
Phenol	**1400**		µg/kg wet	330	1670		84	30-130	3	30
Pyrene	**1810**		µg/kg wet	66.7	1670		109	40-140	1	30
Pyridine	**1000**	QC6	µg/kg wet	330	1670		60	40-140	33	30
1,2,4-Trichlorobenzene	**1640**		µg/kg wet	330	1670		98	40-140	2	30
1-Methylnaphthalene	**1650**		µg/kg wet	66.7	1670		99	40-140	3	30
2,4,5-Trichlorophenol	**1290**		µg/kg wet	330	1670		78	30-130	4	30
2,4,6-Trichlorophenol	**1480**		µg/kg wet	167	1670		89	30-130	2	30
Pentachloronitrobenzene	**1350**		µg/kg wet	330	1670		81	40-140	8	30
1,2,4,5-Tetrachlorobenzene	**1410**		µg/kg wet	330	1670		85	40-140	4	30
Surrogate: 2-Fluorobiphenyl	*1590*		µg/kg wet		*1670*		*95*	*30-130*		
Surrogate: 2-Fluorophenol	*1220*		µg/kg wet		*1670*		*73*	*30-130*		
Surrogate: Nitrobenzene-d5	*1490*		µg/kg wet		*1670*		*89*	*30-130*		
Surrogate: Phenol-d5	*1400*		µg/kg wet		*1670*		*84*	*30-130*		
Surrogate: Terphenyl-dl4	*1750*		µg/kg wet		*1670*		*105*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1840*		µg/kg wet		*1670*		*110*	*30-130*		
Duplicate (2001083-DUP1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Acenaphthene	< 74.4		µg/kg dry	74.4		BRL				30
Acenaphthylene	< 74.4		µg/kg dry	74.4		BRL				30
Aniline	< 368		µg/kg dry	368		BRL				30
Anthracene	< 74.4		µg/kg dry	74.4		BRL				30
Azobenzene/Diphenyldiazene	< 368		µg/kg dry	368		BRL				30
Benzidine	< 736		µg/kg dry	736		BRL				30
Benzo (a) anthracene	< 74.4		µg/kg dry	74.4		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
Duplicate (2001083-DUP1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Benzo (a) pyrene	< 74.4		µg/kg dry	74.4		BRL				30
Benzo (b) fluoranthene	< 74.4		µg/kg dry	74.4		BRL				30
Benzo (g,h,i) perylene	< 74.4		µg/kg dry	74.4		BRL				30
Benzo (k) fluoranthene	< 74.4		µg/kg dry	74.4		BRL				30
Benzoic acid	< 368		µg/kg dry	368		BRL				30
Benzyl alcohol	< 368		µg/kg dry	368		BRL				30
Bis(2-chloroethoxy)methane	< 368		µg/kg dry	368		BRL				30
Bis(2-chloroethyl)ether	< 186		µg/kg dry	186		BRL				30
Bis(2-chloroisopropyl)ether	< 186		µg/kg dry	186		BRL				30
Bis(2-ethylhexyl)phthalate	< 186		µg/kg dry	186		BRL				30
4-Bromophenyl phenyl ether	< 368		µg/kg dry	368		BRL				30
Butyl benzyl phthalate	< 368		µg/kg dry	368		BRL				30
Carbazole	< 186		µg/kg dry	186		BRL				30
4-Chloro-3-methylphenol	< 368		µg/kg dry	368		BRL				30
4-Chloroaniline	< 186		µg/kg dry	186		BRL				30
2-Chloronaphthalene	< 368		µg/kg dry	368		BRL				30
2-Chlorophenol	< 186		µg/kg dry	186		BRL				30
4-Chlorophenyl phenyl ether	< 368		µg/kg dry	368		BRL				30
Chrysene	< 74.4		µg/kg dry	74.4		BRL				30
Dibenzo (a,h) anthracene	< 74.4		µg/kg dry	74.4		BRL				30
Dibenzofuran	< 186		µg/kg dry	186		BRL				30
1,2-Dichlorobenzene	< 368		µg/kg dry	368		BRL				30
1,3-Dichlorobenzene	< 368		µg/kg dry	368		BRL				30
1,4-Dichlorobenzene	< 368		µg/kg dry	368		BRL				30
3,3´-Dichlorobenzidine	< 368		µg/kg dry	368		BRL				30
2,4-Dichlorophenol	< 186		µg/kg dry	186		BRL				30
Diethyl phthalate	< 368		µg/kg dry	368		BRL				30
Dimethyl phthalate	< 368		µg/kg dry	368		BRL				30
2,4-Dimethylphenol	< 368		µg/kg dry	368		BRL				30
Di-n-butyl phthalate	< 368		µg/kg dry	368		BRL				30
4,6-Dinitro-2-methylphenol	< 368		µg/kg dry	368		BRL				30
2,4-Dinitrophenol	< 368		µg/kg dry	368		BRL				30
2,4-Dinitrotoluene	< 186		µg/kg dry	186		BRL				30
2,6-Dinitrotoluene	< 186		µg/kg dry	186		BRL				30
Di-n-octyl phthalate	< 368		µg/kg dry	368		BRL				30
Fluoranthene	< 74.4		µg/kg dry	74.4		BRL				30
Fluorene	< 74.4		µg/kg dry	74.4		BRL				30
Hexachlorobenzene	< 186		µg/kg dry	186		BRL				30
Hexachlorobutadiene	< 186		µg/kg dry	186		BRL				30
Hexachlorocyclopentadiene	< 186		µg/kg dry	186		BRL				30
Hexachloroethane	< 186		µg/kg dry	186		BRL				30
Indeno (1,2,3-cd) pyrene	< 74.4		µg/kg dry	74.4		BRL				30
Isophorone	< 186		µg/kg dry	186		BRL				30
2-Methylnaphthalene	< 74.4		µg/kg dry	74.4		BRL				30
2-Methylphenol	< 368		µg/kg dry	368		BRL				30
3 & 4-Methylphenol	< 368		µg/kg dry	368		BRL				30
Naphthalene	< 74.4		µg/kg dry	74.4		BRL				30
2-Nitroaniline	< 368		µg/kg dry	368		BRL				30
3-Nitroaniline	< 368		µg/kg dry	368		BRL				30
4-Nitroaniline	< 186		µg/kg dry	186		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
Duplicate (2001083-DUP1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Nitrobenzene	< 186		µg/kg dry	186		BRL				30
2-Nitrophenol	< 186		µg/kg dry	186		BRL				30
4-Nitrophenol	< 1470		µg/kg dry	1470		BRL				30
N-Nitrosodimethylamine	< 186		µg/kg dry	186		BRL				30
N-Nitrosodi-n-propylamine	< 186		µg/kg dry	186		BRL				30
N-Nitrosodiphenylamine	< 368		µg/kg dry	368		BRL				30
Pentachlorophenol	< 368		µg/kg dry	368		BRL				30
Phenanthrene	< 74.4		µg/kg dry	74.4		BRL				30
Phenol	< 368		µg/kg dry	368		BRL				30
Pyrene	< 74.4		µg/kg dry	74.4		BRL				30
Pyridine	< 368		µg/kg dry	368		BRL				30
1,2,4-Trichlorobenzene	< 368		µg/kg dry	368		BRL				30
1-Methylnaphthalene	< 74.4		µg/kg dry	74.4		BRL				30
2,4,5-Trichlorophenol	< 368		µg/kg dry	368		BRL				30
2,4,6-Trichlorophenol	< 186		µg/kg dry	186		BRL				30
Pentachloronitrobenzene	< 368		µg/kg dry	368		BRL				30
1,2,4,5-Tetrachlorobenzene	< 368		µg/kg dry	368		BRL				30
Surrogate: 2-Fluorobiphenyl	*1710*		µg/kg dry		*1860*		*92*	*30-130*		
Surrogate: 2-Fluorophenol	*1620*		µg/kg dry		*1860*		*87*	*30-130*		
Surrogate: Nitrobenzene-d5	*1440*		µg/kg dry		*1860*		*78*	*30-130*		
Surrogate: Phenol-d5	*1830*		µg/kg dry		*1860*		*99*	*30-130*		
Surrogate: Terphenyl-dl4	*1660*		µg/kg dry		*1860*		*89*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1610*		µg/kg dry		*1860*		*87*	*30-130*		
Matrix Spike (2001083-MS1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Acenaphthene	**1370**		µg/kg dry	74.5	1860	BRL	73	40-140		
Acenaphthylene	**1370**		µg/kg dry	74.5	1860	BRL	74	40-140		
Aniline	**690**	QM9	µg/kg dry	368	1860	BRL	37	40-140		
Anthracene	**1530**		µg/kg dry	74.5	1860	BRL	82	40-140		
Azobenzene/Diphenyldiazene	**1470**		µg/kg dry	368	1860	BRL	79	40-140		
Benzidine	**54.7**	QM9	µg/kg dry	737	1860	BRL	3	40-140		
Benzo (a) anthracene	**1690**		µg/kg dry	74.5	1860	BRL	91	40-140		
Benzo (a) pyrene	**1800**		µg/kg dry	74.5	1860	BRL	97	40-140		
Benzo (b) fluoranthene	**1890**		µg/kg dry	74.5	1860	BRL	102	40-140		
Benzo (g,h,i) perylene	**1710**		µg/kg dry	74.5	1860	BRL	92	40-140		
Benzo (k) fluoranthene	**1720**		µg/kg dry	74.5	1860	BRL	92	40-140		
Benzoic acid	**2730**	QM9	µg/kg dry	368	1860	BRL	147	30-130		
Benzyl alcohol	**1430**		µg/kg dry	368	1860	BRL	77	40-140		
Bis(2-chloroethoxy)methane	**1520**		µg/kg dry	368	1860	BRL	82	40-140		
Bis(2-chloroethyl)ether	**1200**		µg/kg dry	186	1860	BRL	64	40-140		
Bis(2-chloroisopropyl)ether	**975**		µg/kg dry	186	1860	BRL	52	40-140		
Bis(2-ethylhexyl)phthalate	**1660**		µg/kg dry	186	1860	BRL	89	40-140		
4-Bromophenyl phenyl ether	**1480**		µg/kg dry	368	1860	BRL	80	40-140		
Butyl benzyl phthalate	**1660**		µg/kg dry	368	1860	BRL	89	40-140		
Carbazole	**1500**		µg/kg dry	186	1860	BRL	81	40-140		
4-Chloro-3-methylphenol	**1720**		µg/kg dry	368	1860	BRL	92	30-130		
4-Chloroaniline	**929**		µg/kg dry	186	1860	BRL	50	40-140		
2-Chloronaphthalene	**1700**		µg/kg dry	368	1860	BRL	91	40-140		
2-Chlorophenol	**1370**		µg/kg dry	186	1860	BRL	74	30-130		
4-Chlorophenyl phenyl ether	**1250**		µg/kg dry	368	1860	BRL	67	40-140		
Chrysene	**1610**		µg/kg dry	74.5	1860	BRL	86	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
Matrix Spike (2001083-MS1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Dibenzo (a,h) anthracene	**1780**		µg/kg dry	74.5	1860	BRL	96	40-140		
Dibenzofuran	**1790**		µg/kg dry	186	1860	BRL	96	40-140		
1,2-Dichlorobenzene	**1640**		µg/kg dry	368	1860	BRL	88	40-140		
1,3-Dichlorobenzene	**1430**		µg/kg dry	368	1860	BRL	77	40-140		
1,4-Dichlorobenzene	**1310**		µg/kg dry	368	1860	BRL	71	40-140		
3,3´-Dichlorobenzidine	**918**		µg/kg dry	368	1860	BRL	49	40-140		
2,4-Dichlorophenol	**1430**		µg/kg dry	186	1860	BRL	77	30-130		
Diethyl phthalate	**1400**		µg/kg dry	368	1860	BRL	75	40-140		
Dimethyl phthalate	**1580**		µg/kg dry	368	1860	BRL	85	40-140		
2,4-Dimethylphenol	**1360**		µg/kg dry	368	1860	BRL	73	30-130		
Di-n-butyl phthalate	**1520**		µg/kg dry	368	1860	BRL	82	40-140		
4,6-Dinitro-2-methylphenol	**2410**		µg/kg dry	368	1860	BRL	130	30-130		
2,4-Dinitrophenol	**2510**	QM9	µg/kg dry	368	1860	BRL	135	30-130		
2,4-Dinitrotoluene	**1650**		µg/kg dry	186	1860	BRL	89	40-140		
2,6-Dinitrotoluene	**1420**		µg/kg dry	186	1860	BRL	77	40-140		
Di-n-octyl phthalate	**1750**		µg/kg dry	368	1860	BRL	94	40-140		
Fluoranthene	**1480**		µg/kg dry	74.5	1860	BRL	80	40-140		
Fluorene	**1180**		µg/kg dry	74.5	1860	BRL	64	40-140		
Hexachlorobenzene	**1650**		µg/kg dry	186	1860	BRL	89	40-140		
Hexachlorobutadiene	**1610**		µg/kg dry	186	1860	BRL	86	40-140		
Hexachlorocyclopentadiene	**1810**		µg/kg dry	186	1860	BRL	98	40-140		
Hexachloroethane	**1490**		µg/kg dry	186	1860	BRL	80	40-140		
Indeno (1,2,3-cd) pyrene	**1830**		µg/kg dry	74.5	1860	BRL	98	40-140		
Isophorone	**1400**		µg/kg dry	186	1860	BRL	75	30-130		
2-Methylnaphthalene	**1750**		µg/kg dry	74.5	1860	BRL	94	40-140		
2-Methylphenol	**1890**		µg/kg dry	368	1860	BRL	102	30-130		
3 & 4-Methylphenol	**1350**		µg/kg dry	368	1860	BRL	72	30-130		
Naphthalene	**1570**		µg/kg dry	74.5	1860	BRL	84	40-140		
2-Nitroaniline	**1430**		µg/kg dry	368	1860	BRL	77	40-140		
3-Nitroaniline	**1020**		µg/kg dry	368	1860	BRL	55	40-140		
4-Nitroaniline	**1410**		µg/kg dry	186	1860	BRL	76	40-140		
Nitrobenzene	**1620**		µg/kg dry	186	1860	BRL	87	40-140		
2-Nitrophenol	**1620**		µg/kg dry	186	1860	BRL	87	30-130		
4-Nitrophenol	**1850**		µg/kg dry	1470	1860	BRL	100	30-130		
N-Nitrosodimethylamine	**894**		µg/kg dry	186	1860	BRL	48	40-140		
N-Nitrosodi-n-propylamine	**1250**		µg/kg dry	186	1860	BRL	67	40-140		
N-Nitrosodiphenylamine	**1570**		µg/kg dry	368	1860	BRL	85	40-140		
Pentachlorophenol	**1600**		µg/kg dry	368	1860	BRL	86	30-130		
Phenanthrene	**1510**		µg/kg dry	74.5	1860	BRL	81	40-140		
Phenol	**1460**		µg/kg dry	368	1860	BRL	79	30-130		
Pyrene	**1820**		µg/kg dry	74.5	1860	BRL	98	40-140		
Pyridine	**1180**		µg/kg dry	368	1860	BRL	64	40-140		
1,2,4-Trichlorobenzene	**1710**		µg/kg dry	368	1860	BRL	92	40-140		
1-Methylnaphthalene	**1720**		µg/kg dry	74.5	1860	BRL	93	40-140		
2,4,5-Trichlorophenol	**1440**		µg/kg dry	368	1860	BRL	77	30-130		
2,4,6-Trichlorophenol	**1540**		µg/kg dry	186	1860	BRL	83	30-130		
Pentachloronitrobenzene	**1490**		µg/kg dry	368	1860	BRL	80	40-140		
1,2,4,5-Tetrachlorobenzene	**1450**		µg/kg dry	368	1860	BRL	78	40-140		
Surrogate: 2-Fluorobiphenyl	*1650*		µg/kg dry		*1860*		*89*	*30-130*		
Surrogate: 2-Fluorophenol	*1300*		µg/kg dry		*1860*		*70*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
Matrix Spike (2001083-MS1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Surrogate: Nitrobenzene-d5	*1550*		µg/kg dry		*1860*		*83*	*30-130*		
Surrogate: Phenol-d5	*1470*		µg/kg dry		*1860*		*79*	*30-130*		
Surrogate: Terphenyl-dl4	*1730*		µg/kg dry		*1860*		*93*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1600*		µg/kg dry		*1860*		*86*	*30-130*		
Matrix Spike Dup (2001083-MSD1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Acenaphthene	**1380**		µg/kg dry	74.2	1850	BRL	75	40-140	1	30
Acenaphthylene	**1400**		µg/kg dry	74.2	1850	BRL	75	40-140	2	30
Aniline	**600**	QM9	µg/kg dry	367	1850	BRL	32	40-140	14	30
Anthracene	**1480**		µg/kg dry	74.2	1850	BRL	80	40-140	3	30
Azobenzene/Diphenyldiazene	**1460**		µg/kg dry	367	1850	BRL	79	40-140	0.8	30
Benzidine	**54.9**	QM9	µg/kg dry	734	1850	BRL	3	40-140	0.3	30
Benzo (a) anthracene	**1630**		µg/kg dry	74.2	1850	BRL	88	40-140	3	30
Benzo (a) pyrene	**1790**		µg/kg dry	74.2	1850	BRL	97	40-140	0.3	30
Benzo (b) fluoranthene	**1810**		µg/kg dry	74.2	1850	BRL	98	40-140	4	30
Benzo (g,h,i) perylene	**1690**		µg/kg dry	74.2	1850	BRL	91	40-140	1	30
Benzo (k) fluoranthene	**1760**		µg/kg dry	74.2	1850	BRL	95	40-140	2	30
Benzoic acid	**2650**		µg/kg dry	367	1850	BRL	143	30-130	3	30
Benzyl alcohol	**1360**		µg/kg dry	367	1850	BRL	73	40-140	5	30
Bis(2-chloroethoxy)methane	**1420**		µg/kg dry	367	1850	BRL	77	40-140	7	30
Bis(2-chloroethyl)ether	**1100**		µg/kg dry	186	1850	BRL	59	40-140	8	30
Bis(2-chloroisopropyl)ether	**957**		µg/kg dry	186	1850	BRL	52	40-140	2	30
Bis(2-ethylhexyl)phthalate	**1750**		µg/kg dry	186	1850	BRL	94	40-140	5	30
4-Bromophenyl phenyl ether	**1410**		µg/kg dry	367	1850	BRL	76	40-140	5	30
Butyl benzyl phthalate	**1610**		µg/kg dry	367	1850	BRL	87	40-140	3	30
Carbazole	**1460**		µg/kg dry	186	1850	BRL	79	40-140	3	30
4-Chloro-3-methylphenol	**1620**		µg/kg dry	367	1850	BRL	87	30-130	6	30
4-Chloroaniline	**1010**		µg/kg dry	186	1850	BRL	55	40-140	9	30
2-Chloronaphthalene	**1630**		µg/kg dry	367	1850	BRL	88	40-140	4	30
2-Chlorophenol	**1330**		µg/kg dry	186	1850	BRL	72	30-130	3	30
4-Chlorophenyl phenyl ether	**1240**		µg/kg dry	367	1850	BRL	67	40-140	1	30
Chrysene	**1540**		µg/kg dry	74.2	1850	BRL	83	40-140	4	30
Dibenzo (a,h) anthracene	**1750**		µg/kg dry	74.2	1850	BRL	95	40-140	1	30
Dibenzofuran	**1710**		µg/kg dry	186	1850	BRL	92	40-140	5	30
1,2-Dichlorobenzene	**1470**		µg/kg dry	367	1850	BRL	79	40-140	11	30
1,3-Dichlorobenzene	**1390**		µg/kg dry	367	1850	BRL	75	40-140	3	30
1,4-Dichlorobenzene	**1280**		µg/kg dry	367	1850	BRL	69	40-140	3	30
3,3´-Dichlorobenzidine	**826**		µg/kg dry	367	1850	BRL	45	40-140	11	30
2,4-Dichlorophenol	**1350**		µg/kg dry	186	1850	BRL	73	30-130	6	30
Diethyl phthalate	**1320**		µg/kg dry	367	1850	BRL	71	40-140	6	30
Dimethyl phthalate	**1500**		µg/kg dry	367	1850	BRL	81	40-140	6	30
2,4-Dimethylphenol	**1200**		µg/kg dry	367	1850	BRL	65	30-130	13	30
Di-n-butyl phthalate	**1450**		µg/kg dry	367	1850	BRL	78	40-140	5	30
4,6-Dinitro-2-methylphenol	**2190**		µg/kg dry	367	1850	BRL	118	30-130	9	30
2,4-Dinitrophenol	**2290**		µg/kg dry	367	1850	BRL	123	30-130	9	30
2,4-Dinitrotoluene	**1550**		µg/kg dry	186	1850	BRL	83	40-140	6	30
2,6-Dinitrotoluene	**1380**		µg/kg dry	186	1850	BRL	74	40-140	3	30
Di-n-octyl phthalate	**1730**		µg/kg dry	367	1850	BRL	93	40-140	1	30
Fluoranthene	**1420**		µg/kg dry	74.2	1850	BRL	77	40-140	4	30
Fluorene	**1140**		µg/kg dry	74.2	1850	BRL	61	40-140	4	30
Hexachlorobenzene	**1560**		µg/kg dry	186	1850	BRL	84	40-140	5	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D										
Batch 2001083 - SW846 3546										
Matrix Spike Dup (2001083-MSD1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Hexachlorobutadiene	**1540**		µg/kg dry	186	1850	BRL	83	40-140	4	30
Hexachlorocyclopentadiene	**1620**		µg/kg dry	186	1850	BRL	88	40-140	11	30
Hexachloroethane	**1430**		µg/kg dry	186	1850	BRL	77	40-140	4	30
Indeno (1,2,3-cd) pyrene	**1810**		µg/kg dry	74.2	1850	BRL	98	40-140	0.7	30
Isophorone	**1320**		µg/kg dry	186	1850	BRL	71	30-130	6	30
2-Methylnaphthalene	**1690**		µg/kg dry	74.2	1850	BRL	91	40-140	3	30
2-Methylphenol	**1790**		µg/kg dry	367	1850	BRL	97	30-130	5	30
3 & 4-Methylphenol	**1260**		µg/kg dry	367	1850	BRL	68	30-130	7	30
Naphthalene	**1520**		µg/kg dry	74.2	1850	BRL	82	40-140	3	30
2-Nitroaniline	**1450**		µg/kg dry	367	1850	BRL	78	40-140	1	30
3-Nitroaniline	**1190**		µg/kg dry	367	1850	BRL	64	40-140	15	30
4-Nitroaniline	**1380**		µg/kg dry	186	1850	BRL	74	40-140	2	30
Nitrobenzene	**1520**		µg/kg dry	186	1850	BRL	82	40-140	6	30
2-Nitrophenol	**1600**		µg/kg dry	186	1850	BRL	86	30-130	1	30
4-Nitrophenol	**1840**		µg/kg dry	1470	1850	BRL	99	30-130	0.5	30
N-Nitrosodimethylamine	**825**		µg/kg dry	186	1850	BRL	44	40-140	8	30
N-Nitrosodi-n-propylamine	**1200**		µg/kg dry	186	1850	BRL	65	40-140	4	30
N-Nitrosodiphenylamine	**1420**		µg/kg dry	367	1850	BRL	77	40-140	10	30
Pentachlorophenol	**1490**		µg/kg dry	367	1850	BRL	81	30-130	7	30
Phenanthrene	**1420**		µg/kg dry	74.2	1850	BRL	77	40-140	6	30
Phenol	**1400**		µg/kg dry	367	1850	BRL	75	30-130	5	30
Pyrene	**1720**		µg/kg dry	74.2	1850	BRL	93	40-140	5	30
Pyridine	**910**		µg/kg dry	367	1850	BRL	49	40-140	26	30
1,2,4-Trichlorobenzene	**1650**		µg/kg dry	367	1850	BRL	89	40-140	4	30
1-Methylnaphthalene	**1700**		µg/kg dry	74.2	1850	BRL	91	40-140	2	30
2,4,5-Trichlorophenol	**1450**		µg/kg dry	367	1850	BRL	78	30-130	0.8	30
2,4,6-Trichlorophenol	**1470**		µg/kg dry	186	1850	BRL	79	30-130	5	30
Pentachloronitrobenzene	**1430**		µg/kg dry	367	1850	BRL	77	40-140	4	30
1,2,4,5-Tetrachlorobenzene	**1370**		µg/kg dry	367	1850	BRL	74	40-140	5	30
Surrogate: 2-Fluorobiphenyl	*1620*		µg/kg dry		*1850*		*87*	*30-130*		
Surrogate: 2-Fluorophenol	*1270*		µg/kg dry		*1850*		*69*	*30-130*		
Surrogate: Nitrobenzene-d5	*1540*		µg/kg dry		*1850*		*83*	*30-130*		
Surrogate: Phenol-d5	*1440*		µg/kg dry		*1850*		*78*	*30-130*		
Surrogate: Terphenyl-dl4	*1710*		µg/kg dry		*1850*		*92*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1610*		µg/kg dry		*1850*		*87*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 2001087 - SW846 3546										
Blank (2001087-BLK1)					Prepared: 13-Jul-20 Analyzed: 15-Jul-20					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*13.3*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.4*		µg/kg wet		*13.3*		*93*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*12.6*		µg/kg wet		*13.3*		*94*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*11.0*		µg/kg wet		*13.3*		*82*	*30-150*		
LCS (2001087-BS1)					Prepared: 13-Jul-20 Analyzed: 15-Jul-20					
Aroclor-1016	**146**		µg/kg wet	20.0	167		88	40-140		
Aroclor-1016 [2C]	**143**		µg/kg wet	20.0	167		86	40-140		
Aroclor-1260	**151**		µg/kg wet	20.0	167		91	40-140		
Aroclor-1260 [2C]	**139**		µg/kg wet	20.0	167		83	40-140		
Surrogate: Decachlorobiphenyl (Sr)	*13.2*		µg/kg wet		*13.3*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.3*		µg/kg wet		*13.3*		*92*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*12.3*		µg/kg wet		*13.3*		*92*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*11.4*		µg/kg wet		*13.3*		*85*	*30-150*		
LCS Dup (2001087-BSD1)					Prepared: 13-Jul-20 Analyzed: 15-Jul-20					
Aroclor-1016	**156**		µg/kg wet	20.0	167		94	40-140	6	30
Aroclor-1016 [2C]	**153**		µg/kg wet	20.0	167		92	40-140	7	30
Aroclor-1260	**157**		µg/kg wet	20.0	167		94	40-140	3	30
Aroclor-1260 [2C]	**150**		µg/kg wet	20.0	167		90	40-140	8	30
Surrogate: Decachlorobiphenyl (Sr)	*12.8*		µg/kg wet		*13.3*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.1*		µg/kg wet		*13.3*		*91*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*12.2*		µg/kg wet		*13.3*		*91*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*11.1*		µg/kg wet		*13.3*		*83*	*30-150*		
Duplicate (2001087-DUP1)			**Source: SC58794-02**		Prepared: 13-Jul-20 Analyzed: 15-Jul-20					
Aroclor-1016	< 22.2		µg/kg dry	22.2		BRL				30
Aroclor-1016 [2C]	< 22.2		µg/kg dry	22.2		BRL				30
Aroclor-1260	< 22.2		µg/kg dry	22.2		BRL				30
Aroclor-1260 [2C]	< 22.2		µg/kg dry	22.2		BRL				30
Surrogate: Decachlorobiphenyl (Sr)	*11.4*		µg/kg dry		*14.8*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.4*		µg/kg dry		*14.8*		*70*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*12.6*		µg/kg dry		*14.8*		*85*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*11.0*		µg/kg dry		*14.8*		*74*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 2001087 - SW846 3546										
Matrix Spike (2001087-MS1)			**Source: SC58794-02**		Prepared: 13-Jul-20 Analyzed: 15-Jul-20					
Aroclor-1016	**156**		µg/kg dry	22.4	187	BRL	84	40-140		
Aroclor-1016 [2C]	**160**		µg/kg dry	22.4	187	BRL	86	40-140		
Aroclor-1260	**164**		µg/kg dry	22.4	187	BRL	88	40-140		
Aroclor-1260 [2C]	**155**		µg/kg dry	22.4	187	BRL	83	40-140		
Surrogate: Decachlorobiphenyl (Sr)	*13.3*		µg/kg dry		*14.9*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.0*		µg/kg dry		*14.9*		*87*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*12.0*		µg/kg dry		*14.9*		*81*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*11.6*		µg/kg dry		*14.9*		*78*	*30-150*		
Matrix Spike Dup (2001087-MSD1)			**Source: SC58794-02**		Prepared: 13-Jul-20 Analyzed: 15-Jul-20					
Aroclor-1016	**148**		µg/kg dry	21.3	178	BRL	83	40-140	6	30
Aroclor-1016 [2C]	**146**		µg/kg dry	21.3	178	BRL	82	40-140	9	30
Aroclor-1260	**157**		µg/kg dry	21.3	178	BRL	89	40-140	4	30
Aroclor-1260 [2C]	**148**		µg/kg dry	21.3	178	BRL	83	40-140	4	30
Surrogate: Decachlorobiphenyl (Sr)	*12.6*		µg/kg dry		*14.2*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.3*		µg/kg dry		*14.2*		*87*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*12.2*		µg/kg dry		*14.2*		*86*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*11.6*		µg/kg dry		*14.2*		*81*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 2001088 - SW846 3546										
Blank (2001088-BLK1)					Prepared: 13-Jul-20 Analyzed: 16-Jul-20					
alpha-BHC	< 5.00		µg/kg wet	5.00						
alpha-BHC [2C]	< 5.00		µg/kg wet	5.00						
beta-BHC	< 5.00		µg/kg wet	5.00						
beta-BHC [2C]	< 5.00		µg/kg wet	5.00						
delta-BHC	< 5.00		µg/kg wet	5.00						
delta-BHC [2C]	< 5.00		µg/kg wet	5.00						
gamma-BHC (Lindane)	< 3.00		µg/kg wet	3.00						
gamma-BHC (Lindane) [2C]	< 3.00		µg/kg wet	3.00						
Heptachlor	< 5.00		µg/kg wet	5.00						
Heptachlor [2C]	< 5.00		µg/kg wet	5.00						
Aldrin	< 5.00		µg/kg wet	5.00						
Aldrin [2C]	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide [2C]	< 5.00		µg/kg wet	5.00						
Endosulfan I	< 5.00		µg/kg wet	5.00						
Endosulfan I [2C]	< 5.00		µg/kg wet	5.00						
Dieldrin	< 5.00		µg/kg wet	5.00						
Dieldrin [2C]	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p')	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	< 5.00		µg/kg wet	5.00						
Endrin	< 8.00		µg/kg wet	8.00						
Endrin [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan II	< 8.00		µg/kg wet	8.00						
Endosulfan II [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Methoxychlor	< 8.00		µg/kg wet	8.00						
Methoxychlor [2C]	< 8.00		µg/kg wet	8.00						
Endrin ketone	< 8.00		µg/kg wet	8.00						
Endrin ketone [2C]	< 8.00		µg/kg wet	8.00						
Endrin aldehyde	< 8.00		µg/kg wet	8.00						
Endrin aldehyde [2C]	< 8.00		µg/kg wet	8.00						
alpha-Chlordane	< 5.00		µg/kg wet	5.00						
alpha-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
gamma-Chlordane	< 5.00		µg/kg wet	5.00						
gamma-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
Toxaphene	< 100		µg/kg wet	100						
Toxaphene [2C]	< 100		µg/kg wet	100						
Chlordane	< 20.0		µg/kg wet	20.0						
Chlordane [2C]	< 20.0		µg/kg wet	20.0						
Alachlor	< 5.00		µg/kg wet	5.00						
Alachlor [2C]	< 5.00		µg/kg wet	5.00						
Surrogate: Decachlorobiphenyl (Sr)	*10.8*		µg/kg wet		*13.3*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.9*		µg/kg wet		*13.3*		*89*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*10.2*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*9.93*		µg/kg wet		*13.3*		*74*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 2001088 - SW846 3546										
LCS (2001088-BS1)					Prepared: 13-Jul-20 Analyzed: 16-Jul-20					
alpha-BHC	**12.1**		µg/kg wet	5.00	13.3		90	40-140		
alpha-BHC [2C]	**12.5**		µg/kg wet	5.00	13.3		94	40-140		
beta-BHC	**12.4**		µg/kg wet	5.00	13.3		93	40-140		
beta-BHC [2C]	**13.9**		µg/kg wet	5.00	13.3		104	40-140		
delta-BHC	**8.43**		µg/kg wet	5.00	13.3		63	40-140		
delta-BHC [2C]	**8.82**		µg/kg wet	5.00	13.3		66	40-140		
gamma-BHC (Lindane)	**12.8**		µg/kg wet	3.00	13.3		96	40-140		
gamma-BHC (Lindane) [2C]	**12.7**		µg/kg wet	3.00	13.3		95	40-140		
Heptachlor	**12.2**		µg/kg wet	5.00	13.3		92	40-140		
Heptachlor [2C]	**13.0**		µg/kg wet	5.00	13.3		97	40-140		
Aldrin	**11.7**		µg/kg wet	5.00	13.3		88	40-140		
Aldrin [2C]	**12.1**		µg/kg wet	5.00	13.3		91	40-140		
Heptachlor epoxide	**11.7**		µg/kg wet	5.00	13.3		88	40-140		
Heptachlor epoxide [2C]	**12.3**		µg/kg wet	5.00	13.3		93	40-140		
Endosulfan I	**12.5**		µg/kg wet	5.00	13.3		94	40-140		
Endosulfan I [2C]	**13.2**		µg/kg wet	5.00	13.3		99	40-140		
Dieldrin	**12.0**		µg/kg wet	5.00	13.3		90	40-140		
Dieldrin [2C]	**13.2**		µg/kg wet	5.00	13.3		99	40-140		
4,4'-DDE (p,p')	**12.1**		µg/kg wet	5.00	13.3		91	40-140		
4,4'-DDE (p,p') [2C]	**13.1**		µg/kg wet	5.00	13.3		98	40-140		
Endrin	**15.1**		µg/kg wet	8.00	13.3		113	40-140		
Endrin [2C]	**16.1**		µg/kg wet	8.00	13.3		121	40-140		
Endosulfan II	**12.6**		µg/kg wet	8.00	13.3		95	40-140		
Endosulfan II [2C]	**14.1**		µg/kg wet	8.00	13.3		106	40-140		
4,4'-DDD (p,p')	**12.6**		µg/kg wet	8.00	13.3		95	40-140		
4,4'-DDD (p,p') [2C]	**13.7**		µg/kg wet	8.00	13.3		103	40-140		
Endosulfan sulfate	**12.9**		µg/kg wet	8.00	13.3		97	40-140		
Endosulfan sulfate [2C]	**14.3**		µg/kg wet	8.00	13.3		107	40-140		
4,4'-DDT (p,p')	**14.0**		µg/kg wet	8.00	13.3		105	40-140		
4,4'-DDT (p,p') [2C]	**14.4**		µg/kg wet	8.00	13.3		108	40-140		
Methoxychlor	**14.0**		µg/kg wet	8.00	13.3		105	40-140		
Methoxychlor [2C]	**14.1**		µg/kg wet	8.00	13.3		106	40-140		
Endrin ketone	**12.6**		µg/kg wet	8.00	13.3		94	40-140		
Endrin ketone [2C]	**14.0**		µg/kg wet	8.00	13.3		105	40-140		
Endrin aldehyde	**11.9**		µg/kg wet	8.00	13.3		89	40-140		
Endrin aldehyde [2C]	**14.0**		µg/kg wet	8.00	13.3		105	40-140		
alpha-Chlordane	**11.9**		µg/kg wet	5.00	13.3		89	40-140		
alpha-Chlordane [2C]	**13.2**		µg/kg wet	5.00	13.3		99	40-140		
gamma-Chlordane	**13.7**		µg/kg wet	5.00	13.3		103	40-140		
gamma-Chlordane [2C]	**13.5**		µg/kg wet	5.00	13.3		102	40-140		
Toxaphene	< 100		µg/kg wet	100				40-140		
Toxaphene [2C]	< 100		µg/kg wet	100				40-140		
Chlordane	< 20.0		µg/kg wet	20.0				40-140		
Chlordane [2C]	< 20.0		µg/kg wet	20.0				40-140		
Alachlor	**12.3**		µg/kg wet	5.00	13.3		92	40-140		
Alachlor [2C]	**12.7**		µg/kg wet	5.00	13.3		95	40-140		
Surrogate: Decachlorobiphenyl (Sr)	*11.1*		µg/kg wet		*13.3*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.3*		µg/kg wet		*13.3*		*85*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*10.4*		µg/kg wet		*13.3*		*78*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 2001088 - SW846 3546										
LCS Dup (2001088-BSD1)					Prepared: 13-Jul-20 Analyzed: 16-Jul-20					
alpha-BHC	**12.0**		µg/kg wet	5.00	13.3		90	40-140	0.4	30
alpha-BHC [2C]	**12.1**		µg/kg wet	5.00	13.3		91	40-140	3	30
beta-BHC	**12.6**		µg/kg wet	5.00	13.3		94	40-140	2	30
beta-BHC [2C]	**12.6**		µg/kg wet	5.00	13.3		95	40-140	10	30
delta-BHC	**8.57**		µg/kg wet	5.00	13.3		64	40-140	2	30
delta-BHC [2C]	**8.75**		µg/kg wet	5.00	13.3		66	40-140	0.8	30
gamma-BHC (Lindane)	**12.2**		µg/kg wet	3.00	13.3		92	40-140	4	30
gamma-BHC (Lindane) [2C]	**12.3**		µg/kg wet	3.00	13.3		93	40-140	3	30
Heptachlor	**12.4**		µg/kg wet	5.00	13.3		93	40-140	1	30
Heptachlor [2C]	**12.6**		µg/kg wet	5.00	13.3		95	40-140	3	30
Aldrin	**11.7**		µg/kg wet	5.00	13.3		88	40-140	0	30
Aldrin [2C]	**11.9**		µg/kg wet	5.00	13.3		89	40-140	2	30
Heptachlor epoxide	**12.0**		µg/kg wet	5.00	13.3		90	40-140	2	30
Heptachlor epoxide [2C]	**12.2**		µg/kg wet	5.00	13.3		92	40-140	1	30
Endosulfan I	**12.9**		µg/kg wet	5.00	13.3		97	40-140	3	30
Endosulfan I [2C]	**13.3**		µg/kg wet	5.00	13.3		100	40-140	0.6	30
Dieldrin	**12.4**		µg/kg wet	5.00	13.3		93	40-140	4	30
Dieldrin [2C]	**13.3**		µg/kg wet	5.00	13.3		100	40-140	0.5	30
4,4'-DDE (p,p')	**12.6**		µg/kg wet	5.00	13.3		95	40-140	4	30
4,4'-DDE (p,p') [2C]	**13.3**		µg/kg wet	5.00	13.3		99	40-140	1	30
Endrin	**15.6**		µg/kg wet	8.00	13.3		117	40-140	4	30
Endrin [2C]	**17.1**		µg/kg wet	8.00	13.3		128	40-140	6	30
Endosulfan II	**13.0**		µg/kg wet	8.00	13.3		98	40-140	3	30
Endosulfan II [2C]	**14.2**		µg/kg wet	8.00	13.3		107	40-140	0.7	30
4,4'-DDD (p,p')	**13.2**		µg/kg wet	8.00	13.3		99	40-140	4	30
4,4'-DDD (p,p') [2C]	**13.9**		µg/kg wet	8.00	13.3		104	40-140	1	30
Endosulfan sulfate	**13.5**		µg/kg wet	8.00	13.3		101	40-140	5	30
Endosulfan sulfate [2C]	**14.8**		µg/kg wet	8.00	13.3		111	40-140	4	30
4,4'-DDT (p,p')	**14.8**		µg/kg wet	8.00	13.3		111	40-140	5	30
4,4'-DDT (p,p') [2C]	**15.0**		µg/kg wet	8.00	13.3		113	40-140	4	30
Methoxychlor	**14.7**		µg/kg wet	8.00	13.3		111	40-140	5	30
Methoxychlor [2C]	**14.2**		µg/kg wet	8.00	13.3		107	40-140	1	30
Endrin ketone	**13.3**		µg/kg wet	8.00	13.3		100	40-140	6	30
Endrin ketone [2C]	**14.0**		µg/kg wet	8.00	13.3		105	40-140	0.02	30
Endrin aldehyde	**11.9**		µg/kg wet	8.00	13.3		90	40-140	0.6	30
Endrin aldehyde [2C]	**13.7**		µg/kg wet	8.00	13.3		103	40-140	3	30
alpha-Chlordane	**12.3**		µg/kg wet	5.00	13.3		92	40-140	3	30
alpha-Chlordane [2C]	**12.4**		µg/kg wet	5.00	13.3		93	40-140	6	30
gamma-Chlordane	**12.3**		µg/kg wet	5.00	13.3		92	40-140	10	30
gamma-Chlordane [2C]	**12.8**		µg/kg wet	5.00	13.3		96	40-140	6	30
Toxaphene	< 100		µg/kg wet	100				40-140		30
Toxaphene [2C]	< 100		µg/kg wet	100				40-140		30
Chlordane	< 20.0		µg/kg wet	20.0				40-140		30
Chlordane [2C]	< 20.0		µg/kg wet	20.0				40-140		30
Alachlor	**12.7**		µg/kg wet	5.00	13.3		95	40-140	3	30
Alachlor [2C]	**12.5**		µg/kg wet	5.00	13.3		94	40-140	1	30
Surrogate: Decachlorobiphenyl (Sr)	*10.8*		µg/kg wet		*13.3*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.3*		µg/kg wet		*13.3*		*85*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*9.68*		µg/kg wet		*13.3*		*73*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*9.74*		µg/kg wet		*13.3*		*73*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 2001088 - SW846 3546										
Duplicate (2001088-DUP1)			**Source: SC58794-02**		Prepared: 13-Jul-20 Analyzed: 16-Jul-20					
alpha-BHC	< 5.56		µg/kg dry	5.56		BRL				30
alpha-BHC [2C]	< 5.56		µg/kg dry	5.56		BRL				30
beta-BHC	< 5.56		µg/kg dry	5.56		BRL				30
beta-BHC [2C]	< 5.56		µg/kg dry	5.56		BRL				30
delta-BHC	< 5.56		µg/kg dry	5.56		BRL				30
delta-BHC [2C]	< 5.56		µg/kg dry	5.56		0.801				30
gamma-BHC (Lindane)	< 3.33		µg/kg dry	3.33		BRL				30
gamma-BHC (Lindane) [2C]	< 3.33		µg/kg dry	3.33		BRL				30
Heptachlor	< 5.56		µg/kg dry	5.56		BRL				30
Heptachlor [2C]	< 5.56		µg/kg dry	5.56		BRL				30
Aldrin	< 5.56		µg/kg dry	5.56		BRL				30
Aldrin [2C]	< 5.56		µg/kg dry	5.56		BRL				30
Heptachlor epoxide	**0.363**	J	µg/kg dry	5.56		0.382			5	30
Heptachlor epoxide [2C]	< 5.56		µg/kg dry	5.56		BRL				30
Endosulfan I	< 5.56		µg/kg dry	5.56		BRL				30
Endosulfan I [2C]	< 5.56		µg/kg dry	5.56		BRL				30
Dieldrin	< 5.56		µg/kg dry	5.56		BRL				30
Dieldrin [2C]	< 5.56		µg/kg dry	5.56		BRL				30
4,4'-DDE (p,p')	< 5.56		µg/kg dry	5.56		BRL				30
4,4'-DDE (p,p') [2C]	< 5.56		µg/kg dry	5.56		BRL				30
Endrin	< 8.89		µg/kg dry	8.89		BRL				30
Endrin [2C]	< 8.89		µg/kg dry	8.89		BRL				30
Endosulfan II	< 8.89		µg/kg dry	8.89		BRL				30
Endosulfan II [2C]	< 8.89		µg/kg dry	8.89		BRL				30
4,4'-DDD (p,p')	< 8.89		µg/kg dry	8.89		BRL				30
4,4'-DDD (p,p') [2C]	< 8.89		µg/kg dry	8.89		BRL				30
Endosulfan sulfate	< 8.89		µg/kg dry	8.89		BRL				30
Endosulfan sulfate [2C]	< 8.89		µg/kg dry	8.89		BRL				30
4,4'-DDT (p,p')	< 8.89		µg/kg dry	8.89		BRL				30
4,4'-DDT (p,p') [2C]	< 8.89		µg/kg dry	8.89		BRL				30
Methoxychlor	< 8.89		µg/kg dry	8.89		0.775				30
Methoxychlor [2C]	< 8.89		µg/kg dry	8.89		BRL				30
Endrin ketone	< 8.89		µg/kg dry	8.89		BRL				30
Endrin ketone [2C]	< 8.89		µg/kg dry	8.89		BRL				30
Endrin aldehyde	< 8.89		µg/kg dry	8.89		BRL				30
Endrin aldehyde [2C]	< 8.89		µg/kg dry	8.89		BRL				30
alpha-Chlordane	< 5.56		µg/kg dry	5.56		BRL				30
alpha-Chlordane [2C]	< 5.56		µg/kg dry	5.56		BRL				30
gamma-Chlordane	**0.637**	J	µg/kg dry	5.56		BRL				30
gamma-Chlordane [2C]	**0.370**	J	µg/kg dry	5.56		BRL				30
Toxaphene	< 111		µg/kg dry	111		BRL				30
Toxaphene [2C]	< 111		µg/kg dry	111		BRL				30
Chlordane	< 22.2		µg/kg dry	22.2		BRL				30
Chlordane [2C]	< 22.2		µg/kg dry	22.2		BRL				30
Alachlor	< 5.56		µg/kg dry	5.56		BRL				30
Alachlor [2C]	< 5.56		µg/kg dry	5.56		BRL				30
Surrogate: Decachlorobiphenyl (Sr)	*11.8*		µg/kg dry		*14.8*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.4*		µg/kg dry		*14.8*		*83*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*11.3*		µg/kg dry		*14.8*		*76*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*10.4*		µg/kg dry		*14.8*		*70*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 2001088 - SW846 3546										
Matrix Spike (2001088-MS1)			**Source: SC58794-02**		Prepared: 13-Jul-20 Analyzed: 16-Jul-20					
alpha-BHC	**11.9**		µg/kg dry	5.56	14.8	BRL	80	30-150		
alpha-BHC [2C]	**12.7**		µg/kg dry	5.56	14.8	BRL	86	30-150		
beta-BHC	**13.1**		µg/kg dry	5.56	14.8	BRL	88	30-150		
beta-BHC [2C]	**13.3**		µg/kg dry	5.56	14.8	BRL	89	30-150		
delta-BHC	**8.64**		µg/kg dry	5.56	14.8	BRL	58	30-150		
delta-BHC [2C]	**9.33**		µg/kg dry	5.56	14.8	0.801	57	30-150		
gamma-BHC (Lindane)	**12.5**		µg/kg dry	3.34	14.8	BRL	84	30-150		
gamma-BHC (Lindane) [2C]	**12.6**		µg/kg dry	3.34	14.8	BRL	85	30-150		
Heptachlor	**12.5**		µg/kg dry	5.56	14.8	BRL	84	30-150		
Heptachlor [2C]	**13.7**		µg/kg dry	5.56	14.8	BRL	93	30-150		
Aldrin	**12.1**		µg/kg dry	5.56	14.8	BRL	81	30-150		
Aldrin [2C]	**13.4**		µg/kg dry	5.56	14.8	BRL	90	30-150		
Heptachlor epoxide	**12.5**		µg/kg dry	5.56	14.8	0.382	82	30-150		
Heptachlor epoxide [2C]	**13.4**		µg/kg dry	5.56	14.8	BRL	91	30-150		
Endosulfan I	**13.1**		µg/kg dry	5.56	14.8	BRL	88	30-150		
Endosulfan I [2C]	**13.6**		µg/kg dry	5.56	14.8	BRL	92	30-150		
Dieldrin	**12.7**		µg/kg dry	5.56	14.8	BRL	86	30-150		
Dieldrin [2C]	**13.5**		µg/kg dry	5.56	14.8	BRL	91	30-150		
4,4'-DDE (p,p')	**12.8**		µg/kg dry	5.56	14.8	BRL	86	30-150		
4,4'-DDE (p,p') [2C]	**13.7**		µg/kg dry	5.56	14.8	BRL	92	30-150		
Endrin	**16.1**		µg/kg dry	8.90	14.8	BRL	109	30-150		
Endrin [2C]	**17.4**		µg/kg dry	8.90	14.8	BRL	117	30-150		
Endosulfan II	**12.8**		µg/kg dry	8.90	14.8	BRL	87	30-150		
Endosulfan II [2C]	**13.9**		µg/kg dry	8.90	14.8	BRL	94	30-150		
4,4'-DDD (p,p')	**13.2**		µg/kg dry	8.90	14.8	BRL	89	30-150		
4,4'-DDD (p,p') [2C]	**14.1**		µg/kg dry	8.90	14.8	BRL	95	30-150		
Endosulfan sulfate	**13.6**		µg/kg dry	8.90	14.8	BRL	91	30-150		
Endosulfan sulfate [2C]	**14.8**		µg/kg dry	8.90	14.8	BRL	100	30-150		
4,4'-DDT (p,p')	**15.4**		µg/kg dry	8.90	14.8	BRL	104	30-150		
4,4'-DDT (p,p') [2C]	**16.6**		µg/kg dry	8.90	14.8	BRL	112	30-150		
Methoxychlor	**15.0**		µg/kg dry	8.90	14.8	0.775	96	30-150		
Methoxychlor [2C]	**15.5**		µg/kg dry	8.90	14.8	BRL	105	30-150		
Endrin ketone	**13.2**		µg/kg dry	8.90	14.8	BRL	89	30-150		
Endrin ketone [2C]	**14.8**		µg/kg dry	8.90	14.8	BRL	100	30-150		
Endrin aldehyde	**11.3**		µg/kg dry	8.90	14.8	BRL	76	30-150		
Endrin aldehyde [2C]	**13.0**		µg/kg dry	8.90	14.8	BRL	88	30-150		
alpha-Chlordane	**12.4**		µg/kg dry	5.56	14.8	BRL	83	30-150		
alpha-Chlordane [2C]	**12.7**		µg/kg dry	5.56	14.8	BRL	86	30-150		
gamma-Chlordane	**21.6**		µg/kg dry	5.56	14.8	BRL	146	30-150		
gamma-Chlordane [2C]	**13.3**		µg/kg dry	5.56	14.8	BRL	90	30-150		
Toxaphene	< 111		µg/kg dry	111		BRL		30-150		
Toxaphene [2C]	< 111		µg/kg dry	111		BRL		30-150		
Chlordane	< 22.2		µg/kg dry	22.2		BRL		30-150		
Chlordane [2C]	< 22.2		µg/kg dry	22.2		BRL		30-150		
Alachlor	**14.7**		µg/kg dry	5.56	14.8	BRL	99	30-150		
Alachlor [2C]	**12.0**		µg/kg dry	5.56	14.8	BRL	81	30-150		
Surrogate: Decachlorobiphenyl (Sr)	*10.2*		µg/kg dry		*14.8*		*69*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.8*		µg/kg dry		*14.8*		*86*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*10.5*		µg/kg dry		*14.8*		*71*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*9.76*		µg/kg dry		*14.8*		*66*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 2001088 - SW846 3546										
Matrix Spike Dup (2001088-MSD1)			**Source: SC58794-02**		Prepared: 13-Jul-20 Analyzed: 16-Jul-20					
alpha-BHC	**12.5**		µg/kg dry	5.56	14.8	BRL	85	30-150	5	30
alpha-BHC [2C]	**13.2**		µg/kg dry	5.56	14.8	BRL	89	30-150	4	30
beta-BHC	**13.8**		µg/kg dry	5.56	14.8	BRL	93	30-150	6	30
beta-BHC [2C]	**13.8**		µg/kg dry	5.56	14.8	BRL	93	30-150	4	30
delta-BHC	**9.93**		µg/kg dry	5.56	14.8	BRL	67	30-150	14	30
delta-BHC [2C]	**9.81**		µg/kg dry	5.56	14.8	0.801	61	30-150	5	30
gamma-BHC (Lindane)	**13.3**		µg/kg dry	3.34	14.8	BRL	89	30-150	6	30
gamma-BHC (Lindane) [2C]	**13.2**		µg/kg dry	3.34	14.8	BRL	89	30-150	4	30
Heptachlor	**13.7**		µg/kg dry	5.56	14.8	BRL	92	30-150	9	30
Heptachlor [2C]	**13.8**		µg/kg dry	5.56	14.8	BRL	93	30-150	0.8	30
Aldrin	**13.2**		µg/kg dry	5.56	14.8	BRL	89	30-150	9	30
Aldrin [2C]	**13.0**		µg/kg dry	5.56	14.8	BRL	88	30-150	3	30
Heptachlor epoxide	**13.5**		µg/kg dry	5.56	14.8	0.382	88	30-150	7	30
Heptachlor epoxide [2C]	**13.8**		µg/kg dry	5.56	14.8	BRL	93	30-150	3	30
Endosulfan I	**13.9**		µg/kg dry	5.56	14.8	BRL	94	30-150	6	30
Endosulfan I [2C]	**14.5**		µg/kg dry	5.56	14.8	BRL	98	30-150	7	30
Dieldrin	**14.0**		µg/kg dry	5.56	14.8	BRL	94	30-150	10	30
Dieldrin [2C]	**14.3**		µg/kg dry	5.56	14.8	BRL	97	30-150	6	30
4,4'-DDE (p,p')	**13.9**		µg/kg dry	5.56	14.8	BRL	94	30-150	9	30
4,4'-DDE (p,p') [2C]	**14.7**		µg/kg dry	5.56	14.8	BRL	99	30-150	8	30
Endrin	**18.0**		µg/kg dry	8.90	14.8	BRL	121	30-150	11	30
Endrin [2C]	**18.6**		µg/kg dry	8.90	14.8	BRL	125	30-150	7	30
Endosulfan II	**14.4**		µg/kg dry	8.90	14.8	BRL	97	30-150	11	30
Endosulfan II [2C]	**14.8**		µg/kg dry	8.90	14.8	BRL	100	30-150	6	30
4,4'-DDD (p,p')	**14.8**		µg/kg dry	8.90	14.8	BRL	100	30-150	12	30
4,4'-DDD (p,p') [2C]	**15.4**		µg/kg dry	8.90	14.8	BRL	104	30-150	9	30
Endosulfan sulfate	**15.1**		µg/kg dry	8.90	14.8	BRL	102	30-150	11	30
Endosulfan sulfate [2C]	**15.3**		µg/kg dry	8.90	14.8	BRL	103	30-150	3	30
4,4'-DDT (p,p')	**17.3**		µg/kg dry	8.90	14.8	BRL	117	30-150	12	30
4,4'-DDT (p,p') [2C]	**17.4**		µg/kg dry	8.90	14.8	BRL	117	30-150	5	30
Methoxychlor	**14.9**		µg/kg dry	8.90	14.8	0.775	95	30-150	0.6	30
Methoxychlor [2C]	**16.3**		µg/kg dry	8.90	14.8	BRL	110	30-150	5	30
Endrin ketone	**14.7**		µg/kg dry	8.90	14.8	BRL	99	30-150	10	30
Endrin ketone [2C]	**16.2**		µg/kg dry	8.90	14.8	BRL	109	30-150	9	30
Endrin aldehyde	**12.8**		µg/kg dry	8.90	14.8	BRL	87	30-150	13	30
Endrin aldehyde [2C]	**13.8**		µg/kg dry	8.90	14.8	BRL	93	30-150	6	30
alpha-Chlordane	**13.4**		µg/kg dry	5.56	14.8	BRL	90	30-150	8	30
alpha-Chlordane [2C]	**13.6**		µg/kg dry	5.56	14.8	BRL	92	30-150	7	30
gamma-Chlordane	**15.5**		µg/kg dry	5.56	14.8	BRL	105	30-150	33	30
gamma-Chlordane [2C]	**13.8**		µg/kg dry	5.56	14.8	BRL	93	30-150	4	30
Toxaphene	< 111		µg/kg dry	111		BRL		30-150		30
Toxaphene [2C]	< 111		µg/kg dry	111		BRL		30-150		30
Chlordane	< 22.2		µg/kg dry	22.2		BRL		30-150		30
Chlordane [2C]	< 22.2		µg/kg dry	22.2		BRL		30-150		30
Alachlor	**14.2**		µg/kg dry	5.56	14.8	BRL	96	30-150	4	30
Alachlor [2C]	**12.7**		µg/kg dry	5.56	14.8	BRL	86	30-150	6	30
Surrogate: Decachlorobiphenyl (Sr)	*11.6*		µg/kg dry		*14.8*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.2*		µg/kg dry		*14.8*		*82*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*10.5*		µg/kg dry		*14.8*		*71*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*10.1*		µg/kg dry		*14.8*		*68*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8100Mod.										
Batch 2001092 - SW846 3546										
Blank (2001092-BLK1)					Prepared: 14-Jul-20 Analyzed: 15-Jul-20					
Total Petroleum Hydrocarbons	< 13.3		mg/kg wet	13.3						
Surrogate: o-Terphenyl	*5.32*		mg/kg wet		*6.67*		*80*	*40-140*		
Surrogate: 1-Chlorooctadecane	*7.04*		mg/kg wet		*6.67*		*106*	*40-140*		
LCS (2001092-BS1)					Prepared: 14-Jul-20 Analyzed: 15-Jul-20					
Total Petroleum Hydrocarbons	**276**		mg/kg wet	13.3	333		83	40-140		
Surrogate: o-Terphenyl	*5.97*		mg/kg wet		*6.67*		*90*	*40-140*		
Surrogate: 1-Chlorooctadecane	*7.88*		mg/kg wet		*6.67*		*118*	*40-140*		
Duplicate (2001092-DUP1)			**Source: SC58794-03**		Prepared: 14-Jul-20 Analyzed: 15-Jul-20					
Total Petroleum Hydrocarbons	**107**		mg/kg dry	16.4		109			2	50
Surrogate: o-Terphenyl	*6.79*		mg/kg dry		*8.23*		*82*	*40-140*		
Surrogate: 1-Chlorooctadecane	*8.75*		mg/kg dry		*8.23*		*106*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 2001078 - SW846 3050B										
Blank (2001078-BLK1)					Prepared & Analyzed: 15-Jul-20					
Vanadium	< 1.47		mg/kg wet	1.47						
Nickel	< 0.977		mg/kg wet	0.977						
Zinc	< 2.93		mg/kg wet	2.93						
Selenium	< 1.47		mg/kg wet	1.47						
Lead	< 1.47		mg/kg wet	1.47						
Chromium	< 0.977		mg/kg wet	0.977						
Cadmium	< 0.488		mg/kg wet	0.488						
Antimony	< 4.88		mg/kg wet	4.88						
Beryllium	< 0.488		mg/kg wet	0.488						
Thallium	< 2.93		mg/kg wet	2.93						
Arsenic	< 1.47		mg/kg wet	1.47						
Silver	< 2.93		mg/kg wet	2.93						
Barium	< 0.977		mg/kg wet	0.977						
Duplicate (2001078-DUP1)			**Source: SC58794-02**		Prepared & Analyzed: 15-Jul-20					
Thallium	< 3.10		mg/kg dry	3.10		BRL				20
Vanadium	**23.9**		mg/kg dry	1.55		24.5			2	20
Selenium	< 1.55		mg/kg dry	1.55		BRL				20
Antimony	< 5.17		mg/kg dry	5.17		BRL				20
Lead	**21.4**		mg/kg dry	1.55		19.3			10	20
Nickel	**53.0**	QR6	mg/kg dry	1.03		71.4			30	20
Chromium	**19.8**		mg/kg dry	1.03		19.4			2	20
Cadmium	< 0.517		mg/kg dry	0.517		BRL				20
Beryllium	**0.264**	J	mg/kg dry	0.517		0.262			0.9	20
Arsenic	**49.0**		mg/kg dry	1.55		55.9			13	20
Silver	< 3.10		mg/kg dry	3.10		BRL				20
Zinc	**53.5**		mg/kg dry	3.10		58.5			9	20
Barium	**23.1**		mg/kg dry	1.03		22.5			3	20
Matrix Spike (2001078-MS1)			**Source: SC58794-02**		Prepared & Analyzed: 15-Jul-20					
Beryllium	**119**		mg/kg dry	0.528	132	0.262	90	75-125		
Vanadium	**156**		mg/kg dry	1.59	132	24.5	100	75-125		
Zinc	**171**		mg/kg dry	3.17	132	58.5	85	75-125		
Thallium	**117**		mg/kg dry	3.17	132	BRL	89	75-125		
Selenium	**104**		mg/kg dry	1.59	132	BRL	79	75-125		
Antimony	**67.7**	QM8	mg/kg dry	5.28	132	BRL	51	75-125		
Lead	**119**		mg/kg dry	1.59	132	19.3	76	75-125		
Nickel	**173**		mg/kg dry	1.06	132	71.4	77	75-125		
Cadmium	**106**		mg/kg dry	0.528	132	BRL	80	75-125		
Arsenic	**171**		mg/kg dry	1.59	132	55.9	87	75-125		
Silver	**104**		mg/kg dry	3.17	132	BRL	78	75-125		
Chromium	**150**		mg/kg dry	1.06	132	19.4	99	75-125		
Barium	**157**		mg/kg dry	1.06	132	22.5	102	75-125		
Matrix Spike Dup (2001078-MSD1)			**Source: SC58794-02**		Prepared & Analyzed: 15-Jul-20					
Selenium	**104**		mg/kg dry	1.60	134	BRL	78	75-125	0.2	20
Zinc	**170**		mg/kg dry	3.21	134	58.5	83	75-125	0.5	20
Antimony	**70.0**	QM8	mg/kg dry	5.35	134	BRL	52	75-125	3	20
Lead	**120**		mg/kg dry	1.60	134	19.3	75	75-125	0.4	20
Arsenic	**174**		mg/kg dry	1.60	134	55.9	89	75-125	2	20
Thallium	**117**		mg/kg dry	3.21	134	BRL	88	75-125	0.06	20
Silver	**104**		mg/kg dry	3.21	134	BRL	78	75-125	0.3	20
Nickel	**171**		mg/kg dry	1.07	134	71.4	75	75-125	1	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 2001078 - SW846 3050B										
Matrix Spike Dup (2001078-MSD1)			**Source: SC58794-02**			Prepared & Analyzed: 15-Jul-20				
Chromium	**150**		mg/kg dry	1.07	134	19.4	98	75-125	0.1	20
Cadmium	**107**		mg/kg dry	0.535	134	BRL	80	75-125	1	20
Beryllium	**119**		mg/kg dry	0.535	134	0.262	89	75-125	0.3	20
Vanadium	**156**		mg/kg dry	1.60	134	24.5	98	75-125	0.003	20
Barium	**159**		mg/kg dry	1.07	134	22.5	102	75-125	1	20
Post Spike (2001078-PS1)			**Source: SC58794-02**			Prepared & Analyzed: 15-Jul-20				
Selenium	**120**		mg/kg dry	1.67	139	BRL	86	80-120		
Thallium	**130**		mg/kg dry	3.35	139	BRL	93	80-120		
Vanadium	**170**		mg/kg dry	1.67	139	24.5	105	80-120		
Antimony	**119**		mg/kg dry	5.58	139	BRL	86	80-120		
Lead	**134**		mg/kg dry	1.67	139	19.3	82	80-120		
Chromium	**157**		mg/kg dry	1.12	139	19.4	99	80-120		
Cadmium	**125**		mg/kg dry	0.558	139	BRL	89	80-120		
Beryllium	**133**		mg/kg dry	0.558	139	0.262	95	80-120		
Arsenic	**181**		mg/kg dry	1.67	139	55.9	90	80-120		
Silver	**113**		mg/kg dry	3.35	139	BRL	81	80-120		
Zinc	**177**		mg/kg dry	3.35	139	58.5	85	80-120		
Barium	**160**		mg/kg dry	1.12	139	22.5	99	80-120		
Reference (2001078-SRM1)						Prepared & Analyzed: 15-Jul-20				
Lead	**56.3**	QM9	mg/kg wet	1.50	68.4		82	82.9-117.1		
Antimony	**32.9**		mg/kg wet	5.00	83.1		40	25-196.4		
Selenium	**38.0**		mg/kg wet	1.50	46.3		82	79.2-120.6		
Thallium	**51.9**		mg/kg wet	3.00	54.2		96	80.7-119.5		
Zinc	**210**		mg/kg wet	3.00	245		86	80.7-119.3		
Beryllium	**83.5**		mg/kg wet	0.500	89.7		93	83.4-116.7		
Vanadium	**53.0**		mg/kg wet	1.50	54.0		98	79-121		
Nickel	**68.7**		mg/kg wet	1.00	82.9		83	82.4-117.4		
Cadmium	**113**		mg/kg wet	0.500	131		86	74-117		
Chromium	**148**		mg/kg wet	1.00	155		95	81.4-118		
Arsenic	**164**		mg/kg wet	1.50	187		88	82.7-117.3		
Silver	**55.8**		mg/kg wet	3.00	65.9		85	79.7-120.1		
Barium	**249**		mg/kg wet	1.00	250		99	82.6-117.8		
Reference (2001078-SRM2)						Prepared & Analyzed: 15-Jul-20				
Lead	**59.8**		mg/kg wet	1.50	69.1		86	82.9-117.1		
Antimony	**33.6**		mg/kg wet	5.00	83.9		40	25-196.4		
Nickel	**71.3**		mg/kg wet	1.00	83.7		85	82.4-117.4		
Selenium	**40.2**		mg/kg wet	1.50	46.7		86	79.2-120.6		
Vanadium	**55.8**		mg/kg wet	1.50	54.5		102	79-121		
Beryllium	**87.6**		mg/kg wet	0.500	90.6		97	83.4-116.7		
Zinc	**218**		mg/kg wet	3.00	247		88	80.7-119.3		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 2001078 - SW846 3050B										
Reference (2001078-SRM2)					Prepared & Analyzed: 15-Jul-20					
Thallium	**55.0**		mg/kg wet	3.00	54.8		100	80.7-119.5		
Arsenic	**172**		mg/kg wet	1.50	189		91	82.7-117.3		
Silver	**57.6**		mg/kg wet	3.00	66.6		87	79.7-120.1		
Chromium	**154**		mg/kg wet	1.00	156		98	81.4-118		
Cadmium	**118**		mg/kg wet	0.500	132		89	74-117		
Barium	**259**		mg/kg wet	1.00	253		103	82.6-117.8		
SW846 7471B										
Batch 2001079 - EPA200/SW7000 Series										
Blank (2001079-BLK1)					Prepared & Analyzed: 13-Jul-20					
Mercury	< 0.114		mg/kg wet	0.114						
Duplicate (2001079-DUP1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Mercury	< 0.125		mg/kg dry	0.125		BRL				20
Matrix Spike (2001079-MS1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Mercury	**0.275**	QM7	mg/kg dry	0.0978	0.204	BRL	135	75-125		
Matrix Spike Dup (2001079-MSD1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Mercury	**0.241**		mg/kg dry	0.116	0.241	BRL	100	75-125	13	20
Post Spike (2001079-PS1)			**Source: SC58794-01**		Prepared & Analyzed: 13-Jul-20					
Mercury	**0.225**		mg/kg dry	0.115	0.241	BRL	94	80-120		
Reference (2001079-SRM1)					Prepared & Analyzed: 13-Jul-20					
Mercury	**1.79**	D	mg/kg wet	0.600	1.42		126	65-135		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM2540 G (11) Mod.										
Batch 2001075 - General Preparation										
Duplicate (2001075-DUP1)			**Source: SC58794-01**			Prepared: 10-Jul-20 Analyzed: 14-Jul-20				
% Solids	**89.0**		%			89.3			0.4	5
Duplicate (2001075-DUP2)			**Source: SC58794-02**			Prepared: 10-Jul-20 Analyzed: 14-Jul-20				
% Solids	**90.1**		%			88.8			1	5
Duplicate (2001075-DUP3)			**Source: SC58794-03**			Prepared: 10-Jul-20 Analyzed: 14-Jul-20				
% Solids	**78.6**		%			80.1			2	5

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 9045D										
Batch 2001081 - General Preparation										
Duplicate (2001081-DUP1)			**Source: SC58794-01**			Prepared & Analyzed: 14-Jul-20				
pH	**5.96**		pH Units			5.99			0.5	5
Reference (2001081-SRM1)						Prepared & Analyzed: 14-Jul-20				
pH	**6.04**		pH Units		6.00		101	97.5-102.5		
Reference (2001081-SRM2)						Prepared & Analyzed: 14-Jul-20				
pH	**6.03**		pH Units		6.00		100	97.5-102.5		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8151A										
Batch 537166A - SW8151A										
Blank (CG32331-BLK)					Prepared: 13-Jul-20 Analyzed: 14-Jul-20					
MCPP	**ND**		ug/kg	3300			ND	-		
MCPA	**ND**		ug/kg	3300			ND	-		
Dinoseb	**ND**		ug/kg	80			ND	-		
Dichloroprop	**ND**		ug/kg	80			ND	-		
Dicamba	**ND**		ug/kg	80			ND	-		
Dalapon	**ND**		ug/kg	80			ND	-		
2,4-DB	**ND**		ug/kg	80			ND	-		
2,4-D	**ND**		ug/kg	80			ND	-		
2,4,5-TP (Silvex)	**ND**		ug/kg	80			ND	-		
2,4,5-T	**ND**		ug/kg	80			ND	-		
Surrogate: % DCAA	*56*		ug/kg		*2000*		*56*	*30-150*		
LCS (CG32331-LCS)					Prepared: 13-Jul-20 Analyzed: 14-Jul-20					
2,4-D	**159.1**		ug/kg	80	200		80	40-140		30
Dicamba	**78.39**		ug/kg	80	100		78	40-140		30
2,4,5-TP (Silvex)	**78.41**		ug/kg	80	100		78	40-140		30
2,4-DB	**751.8**		ug/kg	80	1000		75	40-140		30
Dalapon	**65.02**		ug/kg	80	100		65	40-140		30
Dichloroprop	**184.8**		ug/kg	80	200		92	40-140		30
MCPP	**26120**		ug/kg	3300	30000		87	40-140		30
MCPA	**24560**		ug/kg	3300	30000		82	40-140		30
Dinoseb	**68.51**		ug/kg	80	100		69	10-110		20
2,4,5-T	**79.54**		ug/kg	80	100		80	40-140		30
Surrogate: % DCAA	*1286*		ug/kg		*2000*		*64*	*30-150*		
LCS Dup (CG32331-LCSD)			**Source: CG32331-LCS**		Prepared: 13-Jul-20 Analyzed: 14-Jul-20					
2,4-D	**180.3**		ug/kg	80	200		90	40-140	11.8	30
Dicamba	**78.02**		ug/kg	80	100		78	40-140	0.0	30
2,4,5-T	**87.28**		ug/kg	80	100		87	40-140	8.4	30
2,4,5-TP (Silvex)	**83.74**		ug/kg	80	100		84	40-140	7.4	30
Dalapon	**60.50**		ug/kg	80	100		60	40-140	8.0	30
2,4-DB	**826.8**		ug/kg	80	1000		83	40-140	10.1	30
Dichloroprop	**184.2**		ug/kg	80	200		92	40-140	0.0	30
Dinoseb	**70.63**		ug/kg	80	100		71	10-110	2.9	20
MCPA	**24850**		ug/kg	3300	30000		83	40-140	1.2	30
MCPP	**26980**		ug/kg	3300	30000		90	40-140	3.4	30
Surrogate: % DCAA	*1285*		ug/kg		*2000*		*64*	*30-150*		
Matrix Spike (CG32331-MS)			**Source: SC58794-06**		Prepared: 13-Jul-20 Analyzed: 14-Jul-20					
Dalapon	**65.39**		ug/kg	80	100	BRL	65	30-150		30
2,4,5-T	**83.50**		ug/kg	80	100	BRL	83	30-150		30
2,4,5-TP (Silvex)	**81.66**		ug/kg	80	100	BRL	82	30-150		30
2,4-DB	**848.8**		ug/kg	80	1000	BRL	85	30-150		30
Dicamba	**82.17**		ug/kg	80	100	BRL	82	30-150		30
Dichloroprop	**184.1**		ug/kg	80	200	BRL	92	30-150		30
Dinoseb	**75.89**		ug/kg	80	100	BRL	76	10-110		20
MCPA	**25340**		ug/kg	3300	30000	BRL	84	30-150		30
MCPP	**26510**		ug/kg	3300	30000	BRL	88	30-150		30
2,4-D	**169.9**		ug/kg	80	200	BRL	85	30-150		30
Surrogate: % DCAA	*1323*		ug/kg		*2000*		*66*	*30-150*		
Matrix Spike Dup (CG32331-MSD)			**Source: SC58794-06**		Prepared: 13-Jul-20 Analyzed: 14-Jul-20					
Dalapon	**65.78**		ug/kg	80	100	BRL	66	30-150	1.5	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8151A										
Batch 537166A - SW8151A										
Matrix Spike Dup (CG32331-MSD)			**Source: SC58794-06**		Prepared: 13-Jul-20 Analyzed: 14-Jul-20					
2,4,5-T	**84.20**		ug/kg	80	100	BRL	84	30-150	1.2	30
MCPA	**25630**		ug/kg	3300	30000	BRL	85	30-150	1.2	30
Dinoseb	**78.86**		ug/kg	80	100	BRL	79	10-110	3.9	20
Dichloroprop	**195.8**		ug/kg	80	200	BRL	98	30-150	6.3	30
2,4-DB	**808.3**		ug/kg	80	1000	BRL	81	30-150	4.8	30
2,4-D	**171.1**		ug/kg	80	200	BRL	86	30-150	1.2	30
2,4,5-TP (Silvex)	**83.44**		ug/kg	80	100	BRL	83	30-150	1.2	30
MCPP	**27140**		ug/kg	3300	30000	BRL	90	30-150	2.2	30
Dicamba	**79.35**		ug/kg	80	100	BRL	79	30-150	3.7	30
Surrogate: % DCAA	*1320*		ug/kg		*2000*		*66*	*30-150*		
Batch 537320A - SW8151A										
Blank (CG33195-BLK)					Prepared: 14-Jul-20 Analyzed: 15-Jul-20					
2,4,5-T	**ND**		ug/kg	83			ND	-		
MCPA	**ND**		ug/kg	25000			ND	-		
Dinoseb	**ND**		ug/kg	83			ND	-		
Dichloroprop	**ND**		ug/kg	83			ND	-		
Dicamba	**ND**		ug/kg	83			ND	-		
Dalapon	**ND**		ug/kg	83			ND	-		
2,4-DB	**ND**		ug/kg	1700			ND	-		
2,4,5-TP (Silvex)	**ND**		ug/kg	83			ND	-		
MCPP	**ND**		ug/kg	25000			ND	-		
2,4-D	**ND**		ug/kg	170			ND	-		
Surrogate: % DCAA	*85*		ug/kg		*2000*		*85*	*30-150*		
LCS (CG33195-LCS)					Prepared: 14-Jul-20 Analyzed: 15-Jul-20					
2,4,5-T	**71.82**		ug/kg	83	100		72	40-140		30
2,4,5-TP (Silvex)	**68.89**		ug/kg	83	100		69	40-140		30
2,4-D	**142.4**		ug/kg	170	200		71	40-140		30
2,4-DB	**598.6**		ug/kg	1700	1000		60	40-140		30
Dalapon	**60.16**		ug/kg	83	100		60	40-140		30
Dicamba	**71.66**		ug/kg	83	100		72	40-140		30
Dichloroprop	**166.8**		ug/kg	83	200		83	40-140		30
Dinoseb	**39.15**	r	ug/kg	83	100		39	10-110		20
MCPP	**23770**		ug/kg	25000	30000		79	40-140		30
MCPA	**21880**		ug/kg	25000	30000		73	40-140		30
Surrogate: % DCAA	*1161*		ug/kg		*2000*		*58*	*30-150*		
LCS Dup (CG33195-LCSD)			**Source: CG33195-LCS**		Prepared: 14-Jul-20 Analyzed: 15-Jul-20					
2,4,5-TP (Silvex)	**82.44**		ug/kg	83	100		82	40-140	17.2	30
MCPP	**24500**		ug/kg	25000	30000		82	40-140	3.7	30
2,4,5-T	**87.03**		ug/kg	83	100		87	40-140	18.9	30
2,4-D	**164.0**		ug/kg	170	200		82	40-140	14.4	30
Dalapon	**61.29**		ug/kg	83	100		61	40-140	1.7	30
Dicamba	**82.87**		ug/kg	83	100		83	40-140	14.2	30
Dichloroprop	**189.0**		ug/kg	83	200		94	40-140	12.4	30
2,4-DB	**802.5**		ug/kg	1700	1000		80	40-140	28.6	30
MCPA	**25310**		ug/kg	25000	30000		84	40-140	14.0	30
Dinoseb	**75.51**	r	ug/kg	83	100		76	10-110	64.3	20
Surrogate: % DCAA	*1357*		ug/kg		*2000*		*68*	*30-150*		
SW846 7.3.3.1/90										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 7.3.3.1/90										
Batch 537292A - SW846 7.3.3.1/90										
Blank (CG32326-BLK)						Prepared & Analyzed: 14-Jul-20				
Reactivity Cyanide	< 5		mg/kg	5			BRL	-		
Duplicate (CG32326-DUP)			**Source: SC58794-01**			Prepared & Analyzed: 14-Jul-20				
Reactivity Cyanide	< 6.0		mg/kg	6.0		BRL		-	NC	20
LCS (CG32326-LCS)						Prepared & Analyzed: 14-Jul-20				
Reactivity Cyanide	**0.4460**		mg/kg	5	0.44		101	80-120		20
Batch 537434A - SW846 7.3.3.1/90										
Blank (CG30622-BLK)						Prepared & Analyzed: 15-Jul-20				
Reactivity Cyanide	< 5		mg/kg	5			BRL	-		
LCS (CG30622-LCS)						Prepared & Analyzed: 15-Jul-20				
Reactivity Cyanide	**0.4390**		mg/kg	5	0.44		99.8	80-120		20
SW846 CH7										
Batch 537292B - SW846 7.3.3.1/90										
Blank (CG32326-BLK)						Prepared & Analyzed: 14-Jul-20				
Reactivity Sulfide	< 20		mg/kg	20			BRL	-		
Duplicate (CG32326-DUP)			**Source: SC58794-01**			Prepared & Analyzed: 14-Jul-20				
Reactivity Sulfide	< 20		mg/kg	20		BRL		-	NC	20
LCS (CG32326-LCS)						Prepared & Analyzed: 14-Jul-20				
Reactivity Sulfide	**0**		mg/kg	20	40		95.0	80-120		20
Batch 537434B - SW846 7.3.3.1/90										
Blank (CG30622-BLK)						Prepared & Analyzed: 15-Jul-20				
Reactivity Sulfide	< 20		mg/kg	20			BRL	-		
LCS (CG30622-LCS)						Prepared & Analyzed: 15-Jul-20				
Reactivity Sulfide	**0**		mg/kg	20	40		95.0	80-120		20

Analyte(s)	Column	% Breakdown	Limit

Notes and Definitions

D	Data reported from a dilution
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC6	Analyte is out of acceptance range in the QC spike but the total number of out of range analytes is within overall method criteria.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or 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.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
r	This parameter is outside laboratory rpd specified recovery limits.
Z-2	The closing calibration verification was below control limits, <20%, for the analyte 4,4-DDT, but greater than 50% recovery. This low recovery is due to sample matrix interference, which was confirmed by re-analysis.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
[2C]	Indicates concentration was reported from the secondary, confirmation column.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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.

SC 58741 EM

COC # 4610

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CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed:

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report to: Kevin Kavanaugh
ECMS, Inc.
288 Grove St. #391
Braintree, MA 02184

Project Mgr.: Kevin Kavanaugh

Invoice to: Kevin Kavanaugh
ECMS, Inc.
288 Grove St. #391
Braintree, MA 02184

P.O. No: RQN: 9802

Project No.: 1009.073
Site Name: Cashman School
Location: Amesbury, MA
Sampler(s): Kevin Kavanaugh

G=Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: 8 oz Amber Glass (none)	VOA Vial CH3OH	4 oz Amber Glass (none)						Analyses: 8081 Pesticides	8082 PCBs	8151 Herbicides	8260 Full List	8270 Full List	Ignitability-1030	MCP 14 Metals Total	pH	Reactivity Cyanide/Sulfide	TPH 8100 by GC			QA Reporting Notes: (check if needed)
SC58741-01	SS-1	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-02	SS-2	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-03	SSS-10	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-04	SSS-11	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-05	SSS-12	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-06	SSS-13	7/9/2020		G	Soil	2	~~2~~							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-07	SSS-14	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-08	SSS-16	7/9/2020		G	Soil		2	••						X	X	X	X	X	X	X	X	X	X			MA RCS-1
-09	SSS-17	7/9/2020		G	Soil		2	••						X	X	X	X	X	X	X	X	X	X			MA RCS-1
-10	SSS-3	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1
-11	SSS-4	7/9/2020		G	Soil	2	2							X	X	X	X	X	X	X	X	X	X			MA RCS-1

☐ E-mail to:
EDD Format:

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Relinquished by:	Received by:	Date:	Time:	Temp °C
	Storage Area 4°C	7/9/20	2:30 PM	3.3
		7/10/20	13:16	-1
		7/10/20	~~3:21~~ 15:33	2.3

15:38 EG

SC 38794 EM

COC # 4610

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CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed:

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report to: Kevin Kavanaugh
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288 Grove St. #391
Braintree, MA 02184

Project Mgr.: Kevin Kavanaugh

Invoice to: Kevin Kavanaugh
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Braintree, MA 02184

P.O. No: RQN: 9802

Project No.: 1009.073
Site Name: Cashman School
Location: Amesbury, MA
Sampler(s): Kevin Kavanaugh

G=Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: 8 oz Amber Glass (none)	VOA Vial CH3OH	4 oz Amber Glass (none)	Analyses: 8081 Pesticides	8082 PCBs	8151 Herbicides	8260 Full List	8270 Full List	Ignitability-1030	MCP 14 Metals Total	pH	Reactivity Cyanide/Sulfide	TPH 8100 by GC	QA Reporting Notes: (check if needed)
-12	SSS-5	7/9/2020		G	Soil	2	2		X	X	X	X	X	X	X	X	X	X	MA RCS-1
-13	SSS-6	7/9/2020		G	Soil	2	2		X	X	X	X	X	X	X	X	X	X	MA RCS-1
-14	SSS-7	7/9/2020		G	Soil	2	2		X	X	X	X	X	X	X	X	X	X	MA RCS-1
-15	SSS-8	7/9/2020		G	Soil	2	2		X	X	X	X	X	X	X	X	X	X	MA RCS-1
-16	SSS-9	7/9/2020		G	Soil	2	2		X	X	X	X	X	X	X	X	X	X	MA RCS-1
-17	SSS-15	7/9/2020		G	Soil	1	2	2	X	X	X	X	X	X	X	X	X	X	MA RCS-1

☑ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Levels
Standard

State specific reporting standards:
Mass RCS-1

☐ E-mail to:
EDD Format:

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Relinquished by:	Received by:	Date:	Time:	Temp °C
	Storage offsite 4°C	7/10/20	2:30 pm	3.3
		7/10/20	13:16	-1
		7/10/20	15:28	2.3

Batch Summary

'[none]'

Subcontracted Analyses

SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001074

Toxicity Characteristics

2001074-DUP1
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001075

General Chemistry Parameters

2001075-DUP1
2001075-DUP2
2001075-DUP3
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001076

Volatile Organic Compounds

2001076-BLK1
2001076-BS1
2001076-BSD1
2001076-DUP1
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001078

Total Metals by EPA 6000/7000 Series Methods

2001078-BLK1
2001078-DUP1
2001078-MS1
2001078-MSD1
2001078-PS1
2001078-SRM1
2001078-SRM2
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001079

Total Metals by EPA 6000/7000 Series Methods

2001079-BLK1
2001079-DUP1
2001079-MS1
2001079-MSD1
2001079-PS1
2001079-SRM1
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001081

Toxicity Characteristics

2001081-DUP1
2001081-SRM1
2001081-SRM2
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001083

Semivolatile Organic Compounds by GCMS

2001083-BLK1
2001083-BS1
2001083-BSD1
2001083-DUP1
2001083-MS1
2001083-MSD1
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001087

Semivolatile Organic Compounds by GC

2001087-BLK1
2001087-BS1
2001087-BSD1
2001087-DUP1
2001087-MS1
2001087-MSD1
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001088

Pesticides

2001088-BLK1
2001088-BS1
2001088-BSD1
2001088-DUP1
2001088-MS1
2001088-MSD1
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

2001092

Extractable Petroleum Hydrocarbons

2001092-BLK1
2001092-BS1
2001092-DUP1
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

537166A

Subcontracted Analyses

CG32331-BLK
CG32331-LCS
CG32331-LCSD
CG32331-MS
CG32331-MSD
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)

537292A

Subcontracted Analyses

CG32326-BLK
CG32326-DUP
CG32326-LCS
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)

537292B

Subcontracted Analyses

CG32326-BLK
CG32326-DUP
CG32326-LCS
SC58794-01 (SS-1)
SC58794-02 (SS-2)
SC58794-03 (SSS-10)
SC58794-04 (SSS-11)
SC58794-05 (SSS-12)
SC58794-06 (SSS-13)
SC58794-07 (SSS-14)
SC58794-08 (SSS-16)
SC58794-09 (SSS-17)
SC58794-10 (SSS-3)
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)

537320A

Subcontracted Analyses

CG33195-BLK
CG33195-LCS
CG33195-LCSD
SC58794-11 (SSS-4)
SC58794-12 (SSS-5)
SC58794-13 (SSS-6)
SC58794-14 (SSS-7)
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

537434A

Subcontracted Analyses

CG30622-BLK
CG30622-LCS
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

537434B

Subcontracted Analyses

CG30622-BLK
CG30622-LCS
SC58794-15 (SSS-8)
SC58794-16 (SSS-9)
SC58794-17 (SSS-15)

APPENDIX B

QUALIFICATIONS/LIMITATIONS

QUALIFICATIONS/LIMITATIONS

Environmental & Construction Management Services, Inc. (ECMS) professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. *ECMS* is not responsible for the independent conclusions, opinions or recommq1endations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

Factual information regarding on-site business operations, conditions, and historical data provided to *ECMS* is assumed to be correct and complete. *ECMS* assumes no responsibility for hidden or latent conditions or misrepresentation by the property owner, its representatives, public information officials or any authority consulted in connection with the compilation of this report.

The findings set forth in the attached Site assessment report are strictly limited in time and scope to the date of the evaluation(s). The conclusions presented in the Report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed upon services or the time and budgeting restraints imposed by the client.

The purpose of this report was to assess the physical characteristics of the subject Site with respect to the presence in the environment of hazardous material or oil. No specific attempt was made to check on the compliance of present or past owners or operators or of the Site with Federal, State or local laws and regulations, environmental, or otherwise.

Partial findings of this investigation are based on data provided by others. No warranty is expressed or implied with the usage of such data. Much of the information provided in this report is based upon personal interviews and research of all available documents, records and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability and accuracy of pertinent records, and the personal recollection of those persons contacted by *ECMS* personnel. *ECMS* is not a professional title insurance firm and makes no guarantee, explicit or implied that the listing, which was reviewed, represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

Observations were made of the Site and of structures on the Site as indicated within the Report. Where access to portions of the Site or to structures on the Site was unavailable or limited, *ECMS* is unable to render an opinion as to the presence of hazardous material or oil, or to the presence if indirect evidence relating to hazardous material or oil, in that portion of the Site or structure. In addition, *ECMS* renders no opinion as to the presence of hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces.

The initial site investigation took into account the natural and man-made features of the Site, including any unusual or suspect phenomenon. These factors combined with the Site's geology,

hydrology, topography, and past and present land uses served as a basis for choosing a methodology and location for subsurface exploration as well as ground water and subsurface sampling, if done. The subsurface data, if provided, is meant as a representative overview of the Site.

The conclusions and recommendations contained in this report may be based in part upon various types of chemical data and are contingent upon their validity. As indicated within the Report, some of these data are preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional data or variations of current data become available in the future, these data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses may have been performed for specific parameters during the course of this Site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study might be present in soil and/or ground water at the Site.