MEMORANDUM

To: Jerome B. Cruz, Ph.D.
Toxics Cleanup Program, Northwest Regional Office
3190 - 160th SE Bellevue, WA 98008
Tel: (425) 649-7094 Fax: (425) 649-7098
Jerome.Cruz@ecy.wa.gov

From: John R. Kane

Date: July 18, 2019

Re: Amendment: Vadose Soil Excavation in ERH Treatment Area
Bothell Service Center Simon & Son
18107 Bothell Way NE
Bothell, WA
WA Ecology Facility/Site ID: 33215922

This memorandum provides a description of the vadose zone soil excavation and soil sampling activities conducted in the Electrical Resistance Heating (ERH) treatment area, in the western extent of the BSCSS Site, between June 18, 2019 and July 8, 2019. and describes additional work that goes beyond the previously approved scope in the June 7 document. cob_nm_7-19-19

Background

This task was initiated according to the Work Plan document titled *Vadose Soil Excavation in ERH Treatment Area*, dated June 7, 2019. Following operation of the ERH system, a series of direct push (DP) soil borings was completed to identify zones of vadose zone soils which still contained halogenated volatile organic compounds (HVOCs) at concentrations exceeding the established cleanup levels (CULs). Based on the DP data, the Work Plan called for completion of four excavation trenches approximately 4 feet wide, 10 feet long, and up to seven feet deep, with the excavated soil hauled away for offsite disposal. Trenches were to be extended until soil confirmation sampling of trench sidewalls and bottoms indicated the extents of the trenches were in compliance with applicable CULs.

During the time period between preparation of the *Final Cleanup Action Plan*, dated December 27, 2017, and completion of the ERH system operation and preparation of the *Work Plan*, CULs for cis-1,2-dichloroethene (c-1,2-DCE) and vinyl chloride (VC) were reduced below former established CULs. This change was reflected in the analysis of soils from DP borings and in the written *Work Plan*.

Excavation Activities

Excavation activities commenced on June 18, 2019. Kane Environmental oversaw environmental excavation contractor Mr. Bill Spooner (Spooner Contracting), as concrete was cut and broken to access underlying soils and excavated soil was placed in roll-off bins provided by Waste Management for offsite disposal. Initially, the excavation was centered around DP location KSB-58 and was completed to approximately three feet below ground surface (bgs). Six sidewall samples and two bottom samples were collected for analysis on the first day, with analytical data reported early the following day to direct further

excavation. Based on initial data, it appeared that the excavation(s) would likely need to extend horizontally and extend deeper than originally expected and presented in the Work Plan. To accommodate this requirement, additional roll-off bins were ordered to haul contaminated soils. While additional excavation days were scheduled, some days were excluded, with no excavation completed, due to contractor schedules, holiday schedules, and onsite constraints.

In addition to June 18, 2019, excavation activities were conducted on June 19, 20, 21, 26, and 28, and July 1, 3, and 8. Daily excavation activities were driven by the results of the previous soil samples collected.

During the excavation process, care was taken to preserve the integrity of all installed wells within excavation areas, and no wells were adversely impacted from the excavation activities. These included ERH electrode wells, groundwater monitoring wells, soil vapor extraction wells, and bioremediation injection wells.

As the size and depth of the excavation increased, due to sidewall and bottom samples remaining contaminated with HVOCs in excess of the established CULs, some constraints were encountered:

- Access to the northern extent of the excavation was inhibited by the presence of the large Puget Sound Energy (PSE) operating electrical box, and the power conduit serving it, which were placed on the Property to accommodate the requirements of the ERH system. PSE was contacted regarding removal of this feature. It is scheduled to be removed from the Site on Tuesday July 23, 2019, which will allow the excavator to continue the excavation to the north, as needed.
- A thick concrete footing is present at the northern extent of the current excavation. It will be removed following removal of the PSE electrical box, to allow further excavation to the north.
- As the excavation widened, the excavator became unable to reach the western extent of the excavation from the eastern side.
- Also, as the excavation deepened, it became difficult for the excavator to reach the bottom as slough from sidewalls fell in the excavation. Therefore, after confirmation of a clean bottom sample in the north-central portion of the excavation at 7.5 feet bgs (S14 E15:7.5) some clean backfill was placed in the excavation to allow the collected contaminated slough to be excavated out from a shallower depth.

By the end of the excavation day on July 8, 2019, the excavation was approximately 650 ft^2 encompassing the locations of DP borings KSB-57, KSB-58, and KSB-61 (Figure 1).Excavation depths ranged from 8.5 feet bgs in the southwestern portion of the excavation, where a clean bottom sample has yet to be collected, to approximately 7.5 feet bgs in northern portions of the excavation where a clean bottom sample was obtained prior to placement of some clean backfill. As of July 8, 2019, 14 roll-off bins have been filled and collected by Waste Management for offsite disposal.

Soil collection locations are displayed on Figure 1.

Analytical Results

Kane Environmental submitted soil samples to Onsite Environmental Analytical Laboratory in Redmond, WA. All excavation samples were submitted with an expedited turnaround time to ensure that analytical results were received early following day to guide further excavation. (In some cases, when no excavation was scheduled for the following day, samples were submitted with an extended turnaround time.) Samples were also collected directly from the roll-off bins prior to their retrieval by Waste Management. No soil samples resulted in concentrations of HVOCs that would characterize the soil as hazardous.

Analytical data (summarized in Table 1) are cross referenced with the sample collection locations depicted on Figure 1. The numbered locations on Figure 1 correspond to the *Sample Location* on Table 1, with the *Sample Name* on Table 1 including coordinate data (to the south and east of a fixed origin) and depth below ground surface.

Analytical data results show that some near surface soils remain contaminated in the northern extent of the excavation (Sample Location 22) at 2.5 feet bgs, and in the eastern extent of the excavation (Sample Location 26) at 2.5 feet bgs, and in the western extent of the excavation (Sample Locations 20 and 21).

Analytical data results show that the southern sidewall of the excavation is in compliance. A low-level detection of VC at Sample Location 45 (7 feet bgs) was resampled (one-foot east), with no VC detected. While Kane Environmental considers the southern extent of the excavation complete, including bottom a bottom sample at (Sample Location 39) at 7 feet bgs, a bottom sample in the southwestern region of the excavation (Sample Location 47 and 51) remain contaminated to a depth of 8.5 feet bgs.

Remaining Excavation Required

In order to complete the planned excavations in the region of DP borings KSB-57, KSB-58, and KSB-61, additional excavation to the north and west will be required (after removal of the PSE electrical box and associated conduit). Additional excavation to the west also will be required.

Excavation in the region of KSB-49 has not been initiated. After completion of the northern excavation, currently underway, we will proceed according the Work Plan. However, a contingency should be in place in the case that the extent of contaminated soil is greater than anticipated in the Work Plan.

Costs in addition to those previously approved will be incurred to complete the scope of work presented in the Work Plan and amended in this document. Additional costs are required for the following:

- Additional excavation – Excavator operator, equipment, expendables;
- Additional excavation oversight – Kane Environmental field work including sample collection and delivery to laboratory;
- Additional soil disposal – Waste Management will provide additional roll-off bins and retrieve them for offsite disposal;
- Procurement of additional clean backfill – Clean backfill remaining onsite will be insufficient to backfill the current excavation as well as any further expansion and additional excavation.

Remaining Remedial Activity

A remedial action is proposed to address remaining HVOC contaminated soil in the southwest corner of the BSCSS Site (located in the eastern 98th Avenue NE right-of-way directly north of the intersection with Bothell Way NE). Since this area is inaccessible for excavation due to traffic and utility constraints, and since the contamination is present at and near the soil/water interface, Kane Environmental proposes to address this remaining HVOC contamination through discrete bioremediation injections using DP technology with the same bioremediation solution as being used elsewhere on the BSCSS Site.

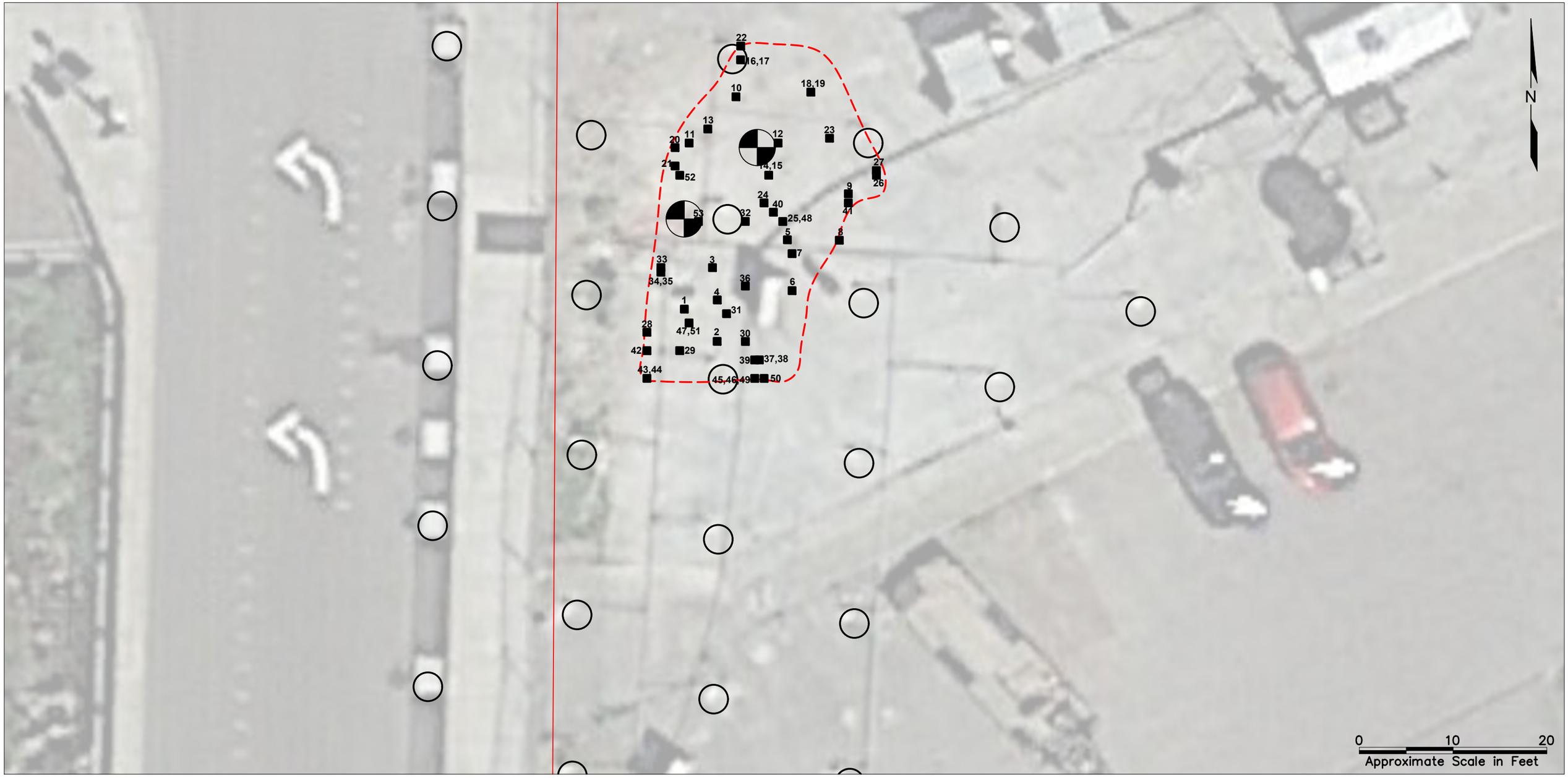
Jerome, this deviates from the approved CAP for BSCSS which calls for soil excavation. Can the CAP you just approved 7-19-19 be revised to reflect this change? Or is soil excavation the only remedy that can be applied here? cob-nm_7-19-19

Attach figure from the BSCSS dCAP showing this location and remedy approved

ATTACHMENTS

Figure 1	Site Plan with Excavation Boundary and Sampling Locations
Table 1	Summary of PCE and Breakdown Products in Soil
Attachment A	Laboratory Analytical Reports

FIGURES



LEGEND

- Approximate location of ERH monitoring well
- Approximate location of ERH electrode
- Approximate location of soil sample collection
- Approximate boundary of soil excavation (7/8/2019)

KANE ENVIRONMENTAL INC

Bothell Service Center Simon & Son
18107 Bothell Way NE
Bothell, Washington

Figure 1
Site Plan with Excavation Boundary and Sampling Locations

TABLES

TABLE 1
Summary of PCE and Breakdown Products in Soil
18107 Bothell Way NE
Bothell, Washington

	Sample Location	Sample ID	Sample Date	Sample Depth	Vinyl Chloride	cis-1,2-DCE	Trichloroethene	Tetrachloroethene
				feet	mg/kg	mg/kg	mg/kg	mg/kg
1		S33.5 E11.5:2.5	6/18/2019	2.5	nd	nd	0.0012	**0.10**
2		S37 E15:2	6/18/2019	2	nd	**0.0066**	0.013	0.021
3		S29 E14.5:2.5	6/18/2019	2.5	**0.00012**	**0.012**	**0.046**	**0.087**
4		S32.5 E15:2.75	6/18/2019	2.75	nd	0.0012	0.023	**0.17**
5		S26 E22.5:2	6/18/2019	2	nd	**0.0093**	nd	0.0018
6		S31.5 E23:2	6/18/2019	2	nd	0.0012	0.0042	0.024
7		S27.5 E23:3	6/18/2019	3	nd	0.0049	nd	nd
8		S26 E28:2	6/18/2019	2	nd	0.0012	0.0046	0.038
9		S21 E29:4	6/19/2019	4	nd	**0.050**	0.025	**0.21**
10		S10.5 E17:2.5	6/20/2019	2.5	**0.00011**	**0.15**	0.0036	0.0048
11		S15.5 E12:2.5	6/20/2019	2.5	**0.0011**	**0.32**	0.0042	0.019
12		S15.5 E21.5:2.5	6/20/2019	2.5	**0.00011**	**0.20**	**0.20**	**2.1**
13		S14 E15:7.5	6/20/2019	4	nd	0.0041	0.0036	0.013
14		S19 E20.5:5.5	6/21/2019	5.5	nd	nd	nd	0.002
15		S19 E20.5:4	6/21/2019	4	nd	0.00095	nd	0.0052
16		S6.5 E17.5:2.5	6/21/2019	2.5	nd	0.0013	0.0025	**0.086**
17		S6.5 E17.5:4.5	6/21/2019	4.5	nd	nd	nd	0.0029
18		S10 E25:2.5	6/21/2019	2.5	nd	**0.01**	0.01	**0.049**
19		S10 E25:4.5	6/21/2019	4.5	nd	0.0012	nd	0.0051
20		S16 E10.5:2.5ft	6/26/2019	2.5	**0.0002**	**0.46**	0.004	0.027
21		S18 E10.5:4ft	6/26/2019	4	nd	nd	nd	**0.069**
22		S05 E17.5:2.5ft	6/26/2019	2.5	nd	nd	0.0012	**0.063**
23		S15 E27:2.5ft	6/26/2019	2.5	nd	**0.0055**	0.019	**0.54**
24		S22 E20:2.5ft	6/26/2019	2.5	nd	**0.039**	**0.13**	**0.68**
25		S24 E22:2.5ft	6/26/2019	2.5	nd	0.0039	0.011	0.033
26		S19E32:2.5	6/28/2019	2.5	nd	0.0035	0.018	**0.39**
27		S18.5E32:5	6/28/2019	5	nd	0.0017	0.0013	0.0085
28		S36E7.5:2.5	6/28/2019	2.5	nd	nd	nd	0.028
29		S38E11:2.5	6/28/2019	5	nd	nd	0.0019	0.027
30		S37E18:2.5	6/28/2019	2.5	0.000061	**0.0083**	0.028	0.02
31		S34E16:6.5	6/28/2019	6.5	nd	nd	**0.041**	**0.059**
32		S24E18:5	6/28/2019	5	nd	nd	0.0012	0.023
33		S29 E9:2.5	7/1/2019	2.5	nd	nd	nd	0.038
34		S29.5 E9:5	7/1/2019	5	nd	nd	0.0027	**0.19**
35		S29.5 E9:6.5	7/1/2019	6.5	nd	nd	0.00086	0.035
36		S31 E18:7	7/1/2019	7	nd	nd	0.0029	0.011
37		S39 E19.5:3	7/1/2019	3	nd	0.0023	**0.032**	**0.15**
38		S39 E19.5:4.5	7/1/2019	4.5	nd	nd	0.02	**0.19**
39		S39 E19.5:7	7/1/2019	7	nd	nd	0.021	0.01
40		S23 E21:5	7/1/2019	5	nd	0.0015	0.016	0.018
41		S22 E29:2.5	7/1/2019	2.5	nd	nd	0.0045	0.039
42		S38 E7.5:5	7/1/2019	5	nd	nd	0.0022	**0.24**
43		S41-E7.5:5	7/3/2019	5	nd	nd	nd	0.0019
44		S41-E7.5:7	7/3/2019	7	nd	nd	nd	0.0021
45		S41-E19:7	7/3/2019	7	**0.000097**	0.002	0.0086	0.043
46		S41-E19:5	7/3/2019	5	nd	nd	nd	0.0054
47		S35-E12:7	7/3/2019	7	nd	**0.03**	0.0012	0.016
48		S24-E22:5	7/3/2019	5	nd	0.0023	0.02	0.029
49		S41 E19:8.5	7/8/2019	8.5	nd	nd	nd	nd
50		S41 E20:7	7/8/2019	7	nd	nd	0.0051	0.016
51		S35 E12:8.5	7/8/2019	8.5	nd	**0.045**	0.0014	0.03
52		S19 E11:4	7/8/2019	4	nd	nd	nd	0.0035
53		S24 E13:5	7/8/2019	5	nd	nd	0.0016	**0.079**
Site Specific Cleanup Levels					0.0000885	0.00515	0.03	0.05

Notes:
mg/kg = milligrams per kilogram (equivalent to parts per million [ppm]).
nd = not detected at Method Reporting Limit.
Shaded and Bold concentrations are above the Site Specific Cleanup Levels.

ATTACHMENT A
ANALYTICAL REPORTS

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 19, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1906-163

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on June 18, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

Case Narrative

Samples were collected on June 18, 2019 and received by the laboratory on June 18, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S33.5 E11.5: 2.5ft**					
Laboratory ID:	06-163-01					
Dichlorodifluoromethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000045	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	0.0012	0.00091	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S33.5 E11.5: 2.5ft**					
Laboratory ID:	06-163-01					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	0.10	0.00091	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*76-131*				
Toluene-d8	*96*	*78-128*				
4-Bromofluorobenzene	*98*	*71-130*				

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S37 E15: 2ft**					
Laboratory ID:	06-163-02					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000039	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	0.0066	0.00079	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	0.013	0.00079	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S37 E15: 2ft**					
Laboratory ID:	06-163-02					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	0.021	0.00079	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29 E14.5: 2.5ft**					
Laboratory ID:	06-163-03					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	0.00012	0.000045	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	0.012	0.00090	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	0.046	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29 E14.5: 2.5ft**					
Laboratory ID:	06-163-03					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	0.087	0.00090	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*98*	*78-128*				
4-Bromofluorobenzene	*94*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S32.5 E15: 2.75ft**					
Laboratory ID:	06-163-04					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000042	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	0.0012	0.00084	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	0.023	0.00084	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S32.5 E15: 2.75ft**					
Laboratory ID:	06-163-04					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	0.17	0.00084	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*98*	*78-128*				
4-Bromofluorobenzene	*93*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S26 E22.5: 2ft**					
Laboratory ID:	06-163-05					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000043	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	0.0093	0.00085	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S26 E22.5: 2ft**					
Laboratory ID:	06-163-05					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	0.0018	0.00085	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*102*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S31.5 E23: 2ft**					
Laboratory ID:	06-163-06					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000038	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	0.0012	0.00075	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	0.0042	0.00075	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S31.5 E23: 2ft**					
Laboratory ID:	06-163-06					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	0.024	0.00075	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*76-131*				
Toluene-d8	*98*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S27.5 E23.5: 3ft**					
Laboratory ID:	06-163-07					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000045	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	0.0049	0.00090	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
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Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S27.5 E23.5: 3ft**					
Laboratory ID:	06-163-07					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*104*	*71-130*				

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S26 E28: 2ft**					
Laboratory ID:	06-163-08					
Dichlorodifluoromethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000043	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	0.0012	0.00087	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	0.0046	0.00087	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
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Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S26 E28: 2ft**					
Laboratory ID:	06-163-08					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	0.038	0.00087	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0618S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Chloromethane	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	6-18-19	6-18-19	
Bromomethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Chloroethane	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Iodomethane	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
Methylene Chloride	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Chloroform	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Trichloroethene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0618S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Bromoform	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-18-19	6-18-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-18-19	6-18-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0618S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0445**	**0.0415**	0.0500	0.0500	89	83	57-133	7	18	
Benzene	**0.0434**	**0.0420**	0.0500	0.0500	87	84	71-129	3	16	
Trichloroethene	**0.0493**	**0.0443**	0.0500	0.0500	99	89	71-122	11	16	
Toluene	**0.0486**	**0.0427**	0.0500	0.0500	97	85	74-125	13	15	
Chlorobenzene	**0.0513**	**0.0478**	0.0500	0.0500	103	96	72-120	7	14	
Surrogate:										
Dibromofluoromethane					*91*	*91*	*76-131*			
Toluene-d8					*100*	*94*	*78-128*			
4-Bromofluorobenzene					*95*	*93*	*71-130*			

Date of Report: June 19, 2019
Samples Submitted: June 18, 2019
Laboratory Reference: 1906-163
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S33.5 E11.5: 2.5ft	06-163-01	**6**	6-18-19
S37 E15: 2ft	06-163-02	**9**	6-18-19
S29 E14.5: 2.5ft	06-163-03	**20**	6-18-19
S32.5 E15: 2.75ft	06-163-04	**12**	6-18-19
S26 E22.5: 2ft	06-163-05	**9**	6-18-19
S31.5 E23: 2ft	06-163-06	**9**	6-18-19
S27.5 E23: 3ft	06-163-07	**8**	6-18-19
S26 E28: 2ft	06-163-08	**8**	6-18-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

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OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSC55
Project Manager: Jeff Jensen
Sampled by: Jeff Jensen

Turnaround Request (in working days)

(Check One)

- [x] Same Day
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [ ] Standard (7 Days) (TPH analysis 5 Days)
- [ ] _____ (other)

Laboratory Number: 06-163

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	S 33.5 E 11.5: 2.5 ft	6/18/19	0925	S	4						X																X
2	S 37 E 15: 2 ft	↓	0945	↓	↓						X																X
3	S 29 E 14.5: 2.5 ft		1010								X																X
4	S 32.5 E 15: 2.75 ft		1027								X																X
5	S 26 E 22.5: 2 ft		1055								X																X
6	S 31.5 E 23: 2 ft		1110								X																X
7	S 27.5 E 23: 3 ft		1120								X																X
8	S 26 E 28: 2 ft		1130								X																X

	Signature	Company	Date	Time
Relinquished		Kane	6/18/19	1307
Received		OSE	6/18/19	1:10pm
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Need 0.08 ppb detection limit for VC

Results ASAP

Data Package: Standard [x] Level III [ ] Level IV [ ]

Chromatograms with final report [ ] Electronic Data Deliverables (EDDs) [x]

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 20, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1906-189

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

Case Narrative

Samples were collected on June 19, 2019 and received by the laboratory on June 19, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-1:6-19-19**					
Laboratory ID:	06-189-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Chloromethane	ND	0.0053	EPA 8260C	6-19-19	6-19-19	
Vinyl Chloride	ND	0.000053	EPA 8260C/SIM	6-19-19	6-19-19	
Bromomethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Chloroethane	ND	0.0053	EPA 8260C	6-19-19	6-19-19	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Iodomethane	ND	0.0067	EPA 8260C	6-19-19	6-19-19	
Methylene Chloride	ND	0.0053	EPA 8260C	6-19-19	6-19-19	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Bromochloromethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Chloroform	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Trichloroethene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Dibromomethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Bromodichloromethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	6-19-19	6-19-19	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-1:6-19-19**					
Laboratory ID:	06-189-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Tetrachloroethene	0.0051	0.0011	EPA 8260C	6-19-19	6-19-19	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Dibromochloromethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Chlorobenzene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Bromoform	ND	0.0053	EPA 8260C	6-19-19	6-19-19	
Bromobenzene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	6-19-19	6-19-19	
2-Chlorotoluene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
4-Chlorotoluene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromo-3-chloropropane	ND	0.0071	EPA 8260C	6-19-19	6-19-19	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Hexachlorobutadiene	ND	0.0053	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	6-19-19	6-19-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*92*	*71-130*				

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-2:6-19-20**					
Laboratory ID:	06-189-02					
Dichlorodifluoromethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Chloromethane	ND	0.0049	EPA 8260C	6-19-19	6-19-19	
Vinyl Chloride	ND	0.000049	EPA 8260C/SIM	6-19-19	6-19-19	
Bromomethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Chloroethane	ND	0.0049	EPA 8260C	6-19-19	6-19-19	
Trichlorofluoromethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Iodomethane	ND	0.0063	EPA 8260C	6-19-19	6-19-19	
Methylene Chloride	ND	0.0049	EPA 8260C	6-19-19	6-19-19	
(trans) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
2,2-Dichloropropane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
(cis) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Bromochloromethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Chloroform	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,1,1-Trichloroethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Carbon Tetrachloride	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloropropene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloroethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Trichloroethene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloropropane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Dibromomethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Bromodichloromethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	6-19-19	6-19-19	
(cis) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
(trans) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-2:6-19-20**					
Laboratory ID:	06-189-02					
1,1,2-Trichloroethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Tetrachloroethene	0.0045	0.00098	EPA 8260C	6-19-19	6-19-19	
1,3-Dichloropropane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Dibromochloromethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromoethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Chlorobenzene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,1,1,2-Tetrachloroethane	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Bromoform	ND	0.0049	EPA 8260C	6-19-19	6-19-19	
Bromobenzene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	6-19-19	6-19-19	
2-Chlorotoluene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
4-Chlorotoluene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,3-Dichlorobenzene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,4-Dichlorobenzene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,2-Dichlorobenzene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromo-3-chloropropane	ND	0.0066	EPA 8260C	6-19-19	6-19-19	
1,2,4-Trichlorobenzene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichlorobenzene	ND	0.00098	EPA 8260C	6-19-19	6-19-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*76-131*				
Toluene-d8	*98*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S21 E29 4ft.**					
Laboratory ID:	06-189-03					
Dichlorodifluoromethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Chloromethane	ND	0.0047	EPA 8260C	6-19-19	6-19-19	
Vinyl Chloride	ND	0.000047	EPA 8260C/SIM	6-19-19	6-19-19	
Bromomethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Chloroethane	ND	0.0047	EPA 8260C	6-19-19	6-19-19	
Trichlorofluoromethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Iodomethane	ND	0.0061	EPA 8260C	6-19-19	6-19-19	
Methylene Chloride	ND	0.0047	EPA 8260C	6-19-19	6-19-19	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
2,2-Dichloropropane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
(cis) 1,2-Dichloroethene	0.050	0.00095	EPA 8260C	6-19-19	6-19-19	
Bromochloromethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Chloroform	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Carbon Tetrachloride	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloropropene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloroethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Trichloroethene	0.025	0.00095	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloropropane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Dibromomethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Bromodichloromethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260C	6-19-19	6-19-19	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S21 E29 4ft.**					
Laboratory ID:	06-189-03					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Tetrachloroethene	0.21	0.00095	EPA 8260C	6-19-19	6-19-19	
1,3-Dichloropropane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Dibromochloromethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromoethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Chlorobenzene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Bromoform	ND	0.0047	EPA 8260C	6-19-19	6-19-19	
Bromobenzene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	6-19-19	6-19-19	
2-Chlorotoluene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
4-Chlorotoluene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260C	6-19-19	6-19-19	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260C	6-19-19	6-19-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*90*	*71-130*				

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0619S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Chloromethane	ND	0.0050	EPA 8260C	6-19-19	6-19-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	6-19-19	6-19-19	
Bromomethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Chloroethane	ND	0.0050	EPA 8260C	6-19-19	6-19-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Iodomethane	ND	0.0064	EPA 8260C	6-19-19	6-19-19	
Methylene Chloride	ND	0.0050	EPA 8260C	6-19-19	6-19-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Chloroform	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Trichloroethene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-19-19	6-19-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0619S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Bromoform	ND	0.0050	EPA 8260C	6-19-19	6-19-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	6-19-19	6-19-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
1,2-Dibromo-3-chloropropane	ND	0.0067	EPA 8260C	6-19-19	6-19-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-19-19	6-19-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-19-19	6-19-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*106*	*71-130*				

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0619S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0409**	**0.0378**	0.0500	0.0500	82	76	57-133	8	18	
Benzene	**0.0421**	**0.0395**	0.0500	0.0500	84	79	71-129	6	16	
Trichloroethene	**0.0458**	**0.0424**	0.0500	0.0500	92	85	71-122	8	16	
Toluene	**0.0450**	**0.0404**	0.0500	0.0500	90	81	74-125	11	15	
Chlorobenzene	**0.0487**	**0.0444**	0.0500	0.0500	97	89	72-120	9	14	
Surrogate:										
Dibromofluoromethane					*92*	*96*	*76-131*			
Toluene-d8					*97*	*100*	*78-128*			
4-Bromofluorobenzene					*97*	*103*	*71-130*			

Date of Report: June 20, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-189
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
Stockpile-1:6-19-19	06-189-01	**7**	6-19-19
Stockpile-2:6-19-20	06-189-02	**6**	6-19-19
S21 E29 4ft.	06-189-03	**15**	6-19-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-189

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jensen
Sampled by: [signature]

Turnaround Request (in working days) (Check One)
- [x] Same Day
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [ ] Standard (7 Days)
- [ ] ______ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	Stockpile-1: 6.19.19	6.19.19	1330	S	4						X												X
2	Stockpile-2: 6.19.19	↓	1340	↓	4						X												↓
3	S21 E29 4 ft.	↓	1440	↓	4						X												↓

	Signature	Company	Date	Time
Relinquished	[signature]	Kane Environmental	6.19.19	1520
Received	[signature]	OSE	6/19/19	1520
Relinquished				
Received				
Relinquished				
Received				

Reviewed/Date

Reviewed/Date

Comments/Special Instructions

low level V.C.

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 21, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1906-218

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on June 20, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

Case Narrative

Samples were collected on June 20, 2019 and received by the laboratory on June 20, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S10.5 E17:2.5ft.**					
Laboratory ID:	06-218-01					
Dichlorodifluoromethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Chloromethane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Vinyl Chloride	0.00011	0.000046	EPA 8260C/SIM	6-20-19	6-20-19	
Bromomethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Chloroethane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Iodomethane	ND	0.0061	EPA 8260C	6-20-19	6-20-19	
Methylene Chloride	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
(trans) 1,2-Dichloroethene	0.0046	0.00093	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
(cis) 1,2-Dichloroethene	0.15	0.00093	EPA 8260C	6-20-19	6-20-19	
Bromochloromethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Chloroform	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Trichloroethene	0.0036	0.00093	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Dibromomethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Bromodichloromethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S10.5 E17:2.5ft.**					
Laboratory ID:	06-218-01					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Tetrachloroethene	0.0048	0.00093	EPA 8260C	6-20-19	6-20-19	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Dibromochloromethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Chlorobenzene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Bromoform	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Bromobenzene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
2-Chlorotoluene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
4-Chlorotoluene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	6-20-19	6-20-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S15.5 E12:2.5ft.**					
Laboratory ID:	06-218-02					
Dichlorodifluoromethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Chloromethane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Vinyl Chloride	ND	0.000046	EPA 8260C/SIM	6-20-19	6-20-19	
Bromomethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Chloroethane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Trichlorofluoromethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethene	0.0011	0.00092	EPA 8260C	6-20-19	6-20-19	
Iodomethane	ND	0.0061	EPA 8260C	6-20-19	6-20-19	
Methylene Chloride	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
(trans) 1,2-Dichloroethene	0.0059	0.00092	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
2,2-Dichloropropane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
(cis) 1,2-Dichloroethene	0.32	0.053	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Chloroform	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Carbon Tetrachloride	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloropropene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloroethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Trichloroethene	0.0042	0.00092	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloropropane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Dibromomethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Bromodichloromethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
(trans) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S15.5 E12:2.5ft.**					
Laboratory ID:	06-218-02					
1,1,2-Trichloroethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Tetrachloroethene	0.019	0.00092	EPA 8260C	6-20-19	6-20-19	
1,3-Dichloropropane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Dibromochloromethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromoethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Chlorobenzene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Bromoform	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Bromobenzene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,1,2,2-Tetrachloroethane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichloropropane	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
2-Chlorotoluene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
4-Chlorotoluene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,3-Dichlorobenzene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,4-Dichlorobenzene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,2-Dichlorobenzene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
1,2,4-Trichlorobenzene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichlorobenzene	ND	0.00092	EPA 8260C	6-20-19	6-20-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*92*	*71-130*				

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S15.5 E21.5:2.5ft**					
Laboratory ID:	06-218-03					
Dichlorodifluoromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chloromethane	ND	0.0045	EPA 8260C	6-20-19	6-20-19	
Vinyl Chloride	0.00011	0.000045	EPA 8260C/SIM	6-20-19	6-20-19	
Bromomethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chloroethane	ND	0.0045	EPA 8260C	6-20-19	6-20-19	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Iodomethane	ND	0.0060	EPA 8260C	6-20-19	6-20-19	
Methylene Chloride	ND	0.0045	EPA 8260C	6-20-19	6-20-19	
(trans) 1,2-Dichloroethene	0.0044	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
(cis) 1,2-Dichloroethene	0.20	0.00091	EPA 8260C	6-20-19	6-20-19	
Bromochloromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chloroform	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Trichloroethene	0.20	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Dibromomethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Bromodichloromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	6-20-19	6-20-19	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S15.5 E21.5:2.5ft**					
Laboratory ID:	06-218-03					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Tetrachloroethene	2.1	0.058	EPA 8260C	6-21-19	6-21-19	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Dibromochloromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Bromoform	ND	0.0045	EPA 8260C	6-20-19	6-20-19	
Bromobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
2-Chlorotoluene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
4-Chlorotoluene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	6-20-19	6-20-19	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*84*	*71-130*				

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S14 E15:7.5ft**					
Laboratory ID:	06-218-04					
Dichlorodifluoromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chloromethane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Vinyl Chloride	ND	0.000046	EPA 8260C/SIM	6-20-19	6-20-19	
Bromomethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chloroethane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Iodomethane	ND	0.0060	EPA 8260C	6-20-19	6-20-19	
Methylene Chloride	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
(cis) 1,2-Dichloroethene	0.0041	0.00091	EPA 8260C	6-20-19	6-20-19	
Bromochloromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chloroform	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Trichloroethene	0.0036	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Dibromomethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Bromodichloromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S14 E15:7.5ft**					
Laboratory ID:	06-218-04					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Tetrachloroethene	0.013	0.00091	EPA 8260C	6-20-19	6-20-19	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Dibromochloromethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Chlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Bromoform	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
Bromobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
2-Chlorotoluene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
4-Chlorotoluene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260C	6-20-19	6-20-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*93*	*71-130*				

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0620S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Chloromethane	ND	0.0050	EPA 8260C	6-20-19	6-20-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	6-20-19	6-20-19	
Bromomethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Chloroethane	ND	0.0050	EPA 8260C	6-20-19	6-20-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Iodomethane	ND	0.0066	EPA 8260C	6-20-19	6-20-19	
Methylene Chloride	ND	0.0050	EPA 8260C	6-20-19	6-20-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Chloroform	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Trichloroethene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-20-19	6-20-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0620S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Bromoform	ND	0.0050	EPA 8260C	6-20-19	6-20-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-20-19	6-20-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-20-19	6-20-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-20-19	6-20-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0620S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0432**	**0.0417**	0.0500	0.0500	86	83	57-133	4	18	
Benzene	**0.0443**	**0.0430**	0.0500	0.0500	89	86	71-129	3	16	
Trichloroethene	**0.0492**	**0.0445**	0.0500	0.0500	98	89	71-122	10	16	
Toluene	**0.0491**	**0.0442**	0.0500	0.0500	98	88	74-125	11	15	
Chlorobenzene	**0.0539**	**0.0476**	0.0500	0.0500	108	95	72-120	12	14	
Surrogate:										
Dibromofluoromethane					*90*	*93*	*76-131*			
Toluene-d8					*99*	*96*	*78-128*			
4-Bromofluorobenzene					*106*	*101*	*71-130*			

Date of Report: June 21, 2019
Samples Submitted: June 20, 2019
Laboratory Reference: 1906-218
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S10.5 E17:2.5ft.	06-218-01	**14**	6-20-19
S15.5 E12:2.5ft.	06-218-02	**14**	6-20-19
S15.5 E21.5:2.5ft	06-218-03	**16**	6-20-19
S14 E15:7.5ft	06-218-04	**13**	6-20-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jensen
Sampled by: Jeff Jensen

Turnaround Request (in working days)
(Check One)
☒ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 06-218

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	S 10.5 E 17: 2.5ft	6/20/19	0810	S	4						X																X
2	S 15.5 E 12: 2.5 ft	↓	0825	↓	↓						X																X
3	S 15.5 E 21.5: 2.5ft		0840								X																X
4	S 14 E 15: 7.5 ft		1020								X																X

	Signature	Company	Date	Time
Relinquished		Kane	6/20/19	1345
Received		OSE	6/20/19	1345
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Need 0.08 ppb detection limit for VC

Results ASAP

Data Package: Standard ☒ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 24, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1906-240

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on June 21, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
Laboratory Reference: 1906-240
Project: 82302-9.3

Case Narrative

Samples were collected on June 21, 2019 and received by the laboratory on June 21, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
Laboratory Reference: 1906-240
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E20.5:5.5 ft**					
Laboratory ID:	06-240-01					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	6-21-19	6-21-19	
Chloromethane	ND	0.0068	EPA 8260C	6-21-19	6-21-19	
Vinyl Chloride	ND	0.000049	EPA 8260C/SIM	6-21-19	6-21-19	
Bromomethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Chloroethane	ND	0.0049	EPA 8260C	6-21-19	6-21-19	
Trichlorofluoromethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Iodomethane	ND	0.0049	EPA 8260C	6-21-19	6-21-19	
Methylene Chloride	ND	0.0049	EPA 8260C	6-21-19	6-21-19	
(trans) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
2,2-Dichloropropane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
(cis) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Chloroform	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,1,1-Trichloroethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Carbon Tetrachloride	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloropropene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloroethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Trichloroethene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloropropane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Dibromomethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Bromodichloromethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	6-21-19	6-21-19	
(cis) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
(trans) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
Laboratory Reference: 1906-240
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E20.5:5.5 ft**					
Laboratory ID:	06-240-01					
1,1,2-Trichloroethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Tetrachloroethene	0.0020	0.00098	EPA 8260C	6-21-19	6-21-19	
1,3-Dichloropropane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Dibromochloromethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromoethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Chlorobenzene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,1,1,2-Tetrachloroethane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Bromoform	ND	0.0049	EPA 8260C	6-21-19	6-21-19	
Bromobenzene	ND	0.0013	EPA 8260C	6-21-19	6-21-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichloropropane	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
2-Chlorotoluene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
4-Chlorotoluene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,3-Dichlorobenzene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,4-Dichlorobenzene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,2-Dichlorobenzene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	6-21-19	6-21-19	
1,2,4-Trichlorobenzene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichlorobenzene	ND	0.00098	EPA 8260C	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E20.5:4 ft**					
Laboratory ID:	06-240-02					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	6-21-19	6-21-19	
Chloromethane	ND	0.0060	EPA 8260C	6-21-19	6-21-19	
Vinyl Chloride	ND	0.000043	EPA 8260C/SIM	6-21-19	6-21-19	
Bromomethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Chloroethane	ND	0.0043	EPA 8260C	6-21-19	6-21-19	
Trichlorofluoromethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Iodomethane	ND	0.0043	EPA 8260C	6-21-19	6-21-19	
Methylene Chloride	ND	0.0043	EPA 8260C	6-21-19	6-21-19	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
(cis) 1,2-Dichloroethene	0.00095	0.00087	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Chloroform	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Trichloroethene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Dibromomethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Bromodichloromethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	6-21-19	6-21-19	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E20.5:4 ft**					
Laboratory ID:	06-240-02					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Tetrachloroethene	0.0052	0.00087	EPA 8260C	6-21-19	6-21-19	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Dibromochloromethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Chlorobenzene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Bromoform	ND	0.0043	EPA 8260C	6-21-19	6-21-19	
Bromobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichloropropane	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
2-Chlorotoluene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
4-Chlorotoluene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	6-21-19	6-21-19	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*76-131*				
Toluene-d8	*96*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S6.5 E17.5:2.5 ft**					
Laboratory ID:	06-240-03					
Dichlorodifluoromethane	ND	0.0014	EPA 8260C	6-21-19	6-21-19	
Chloromethane	ND	0.0059	EPA 8260C	6-21-19	6-21-19	
Vinyl Chloride	ND	0.000042	EPA 8260C/SIM	6-21-19	6-21-19	
Bromomethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Chloroethane	ND	0.0042	EPA 8260C	6-21-19	6-21-19	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Iodomethane	ND	0.0042	EPA 8260C	6-21-19	6-21-19	
Methylene Chloride	ND	0.0042	EPA 8260C	6-21-19	6-21-19	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
(cis) 1,2-Dichloroethene	0.0013	0.00085	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Chloroform	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Trichloroethene	0.0025	0.00085	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Dibromomethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Bromodichloromethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	6-21-19	6-21-19	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S6.5 E17.5:2.5 ft**					
Laboratory ID:	06-240-03					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Tetrachloroethene	0.086	0.00085	EPA 8260C	6-21-19	6-21-19	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Dibromochloromethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Chlorobenzene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Bromoform	ND	0.0042	EPA 8260C	6-21-19	6-21-19	
Bromobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
2-Chlorotoluene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
4-Chlorotoluene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	6-21-19	6-21-19	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S6.5 E17.5:4.5 ft**					
Laboratory ID:	06-240-04					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	6-21-19	6-21-19	
Chloromethane	ND	0.0073	EPA 8260C	6-21-19	6-21-19	
Vinyl Chloride	ND	0.000053	EPA 8260C/SIM	6-21-19	6-21-19	
Bromomethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Chloroethane	ND	0.0053	EPA 8260C	6-21-19	6-21-19	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Iodomethane	ND	0.0053	EPA 8260C	6-21-19	6-21-19	
Methylene Chloride	ND	0.0053	EPA 8260C	6-21-19	6-21-19	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Chloroform	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Trichloroethene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Dibromomethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Bromodichloromethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	6-21-19	6-21-19	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S6.5 E17.5:4.5 ft**					
Laboratory ID:	06-240-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Tetrachloroethene	0.0029	0.0011	EPA 8260C	6-21-19	6-21-19	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Dibromochloromethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Chlorobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Bromoform	ND	0.0053	EPA 8260C	6-21-19	6-21-19	
Bromobenzene	ND	0.0014	EPA 8260C	6-21-19	6-21-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
2-Chlorotoluene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
4-Chlorotoluene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260C	6-21-19	6-21-19	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Hexachlorobutadiene	ND	0.0053	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S10 E25:2.5**					
Laboratory ID:	06-240-05					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	6-21-19	6-21-19	
Chloromethane	ND	0.0064	EPA 8260C	6-21-19	6-21-19	
Vinyl Chloride	ND	0.000047	EPA 8260C/SIM	6-21-19	6-21-19	
Bromomethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Chloroethane	ND	0.0047	EPA 8260C	6-21-19	6-21-19	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Iodomethane	ND	0.0047	EPA 8260C	6-21-19	6-21-19	
Methylene Chloride	ND	0.0047	EPA 8260C	6-21-19	6-21-19	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
(cis) 1,2-Dichloroethene	0.010	0.00093	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Chloroform	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Trichloroethene	0.010	0.00093	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Dibromomethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Bromodichloromethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260C	6-21-19	6-21-19	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S10 E25:2.5**					
Laboratory ID:	06-240-05					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Tetrachloroethene	0.049	0.0062	EPA 8260C	6-24-19	6-24-19	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Dibromochloromethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Chlorobenzene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Bromoform	ND	0.0047	EPA 8260C	6-21-19	6-21-19	
Bromobenzene	ND	0.0012	EPA 8260C	6-21-19	6-21-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
2-Chlorotoluene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
4-Chlorotoluene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260C	6-21-19	6-21-19	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*89*	*71-130*				

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Samples Submitted: June 21, 2019
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Project: 82302-9.3

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S10 E25:4.5**					
Laboratory ID:	06-240-06					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	6-21-19	6-21-19	
Chloromethane	ND	0.0066	EPA 8260C	6-21-19	6-21-19	
Vinyl Chloride	ND	0.000048	EPA 8260C/SIM	6-21-19	6-21-19	
Bromomethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Chloroethane	ND	0.0048	EPA 8260C	6-21-19	6-21-19	
Trichlorofluoromethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Iodomethane	ND	0.0048	EPA 8260C	6-21-19	6-21-19	
Methylene Chloride	ND	0.0048	EPA 8260C	6-21-19	6-21-19	
(trans) 1,2-Dichloroethene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
2,2-Dichloropropane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
(cis) 1,2-Dichloroethene	0.0012	0.00096	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Chloroform	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,1,1-Trichloroethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Carbon Tetrachloride	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloropropene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloroethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Trichloroethene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloropropane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Dibromomethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Bromodichloromethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260C	6-21-19	6-21-19	
(cis) 1,3-Dichloropropene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
(trans) 1,3-Dichloropropene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S10 E25:4.5**					
Laboratory ID:	06-240-06					
1,1,2-Trichloroethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Tetrachloroethene	0.0051	0.00096	EPA 8260C	6-21-19	6-21-19	
1,3-Dichloropropane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Dibromochloromethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromoethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Chlorobenzene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,1,1,2-Tetrachloroethane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Bromoform	ND	0.0048	EPA 8260C	6-21-19	6-21-19	
Bromobenzene	ND	0.0012	EPA 8260C	6-21-19	6-21-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichloropropane	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
2-Chlorotoluene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
4-Chlorotoluene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,3-Dichlorobenzene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,4-Dichlorobenzene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,2-Dichlorobenzene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260C	6-21-19	6-21-19	
1,2,4-Trichlorobenzene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Hexachlorobutadiene	ND	0.0048	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichlorobenzene	ND	0.00096	EPA 8260C	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
Laboratory Reference: 1906-240
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0621S2					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	6-21-19	6-21-19	
Chloromethane	ND	0.0069	EPA 8260C	6-21-19	6-21-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	6-21-19	6-21-19	
Bromomethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Chloroethane	ND	0.0050	EPA 8260C	6-21-19	6-21-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Iodomethane	ND	0.0050	EPA 8260C	6-21-19	6-21-19	
Methylene Chloride	ND	0.0050	EPA 8260C	6-21-19	6-21-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Chloroform	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Trichloroethene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-21-19	6-21-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	

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Samples Submitted: June 21, 2019
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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0621S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Bromoform	ND	0.0050	EPA 8260C	6-21-19	6-21-19	
Bromobenzene	ND	0.0013	EPA 8260C	6-21-19	6-21-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-21-19	6-21-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-21-19	6-21-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*96*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
Laboratory Reference: 1906-240
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0624S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Chloromethane	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	6-24-19	6-24-19	
Bromomethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Chloroethane	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Iodomethane	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
Methylene Chloride	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Chloroform	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Trichloroethene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
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Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0624S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Bromoform	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-24-19	6-24-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	6-24-19	6-24-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-24-19	6-24-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-24-19	6-24-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*106*	*71-130*				

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
Laboratory Reference: 1906-240
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0621S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0397**	**0.0380**	0.0500	0.0500	79	76	57-133	4	18	
Benzene	**0.0425**	**0.0403**	0.0500	0.0500	85	81	71-129	5	16	
Trichloroethene	**0.0417**	**0.0474**	0.0500	0.0500	83	95	71-122	13	16	
Toluene	**0.0413**	**0.0450**	0.0500	0.0500	83	90	74-125	9	15	
Chlorobenzene	**0.0457**	**0.0495**	0.0500	0.0500	91	99	72-120	8	14	
Surrogate:										
Dibromofluoromethane					*102*	*86*	*76-131*			
Toluene-d8					*95*	*97*	*78-128*			
4-Bromofluorobenzene					*106*	*107*	*71-130*			

Date of Report: June 24, 2019
Samples Submitted: June 21, 2019
Laboratory Reference: 1906-240
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0624S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0394**	**0.0396**	0.0500	0.0500	79	79	57-133	1	18	
Benzene	**0.0406**	**0.0418**	0.0500	0.0500	81	84	71-129	3	16	
Trichloroethene	**0.0468**	**0.0479**	0.0500	0.0500	94	96	71-122	2	16	
Toluene	**0.0457**	**0.0463**	0.0500	0.0500	91	93	74-125	1	15	
Chlorobenzene	**0.0484**	**0.0499**	0.0500	0.0500	97	100	72-120	3	14	
Surrogate:										
Dibromofluoromethane					*91*	*84*	*76-131*			
Toluene-d8					*96*	*95*	*78-128*			
4-Bromofluorobenzene					*105*	*105*	*71-130*			

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Samples Submitted: June 21, 2019
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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S19 E20.5:5.5 ft	06-240-01	**9**	6-21-19
S19 E20.5:4 ft	06-240-02	**6**	6-21-19
S6.5 E17.5:2.5 ft	06-240-03	**15**	6-21-19
S6.5 E17.5:4.5 ft	06-240-04	**7**	6-21-19
S10 E25:2.5	06-240-05	**11**	6-21-19
S10 E25:4.5	06-240-06	**7**	6-21-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

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OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jensen
Sampled by: EN

Turnaround Request (in working days)
(Check One)
☒ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 06-240

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	S19 E20.5 : 5.5 ft	6/21/19	1000	S	4						X												X
2	S19 E20.5 : 4 ft		1010								X												
3	S6.5 E17.5 : 2.5 ft		1325								X												
4	S6.5 E17.5 : 4.5 ft		1330								X												
5	S10 E25 : 2.5		1335								X												
6	S10 E25 : 4.5		1340								X												

	Signature	Company	Date	Time
Relinquished		Kane	6/21/19	1450
Received	Katell Ussen	OSE	6/21/19	1450
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Need 0.08 ppb detection limit for VC

Data Package: Standard ☒ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 27, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1906-286

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on June 26, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

Case Narrative

Samples were collected on June 26, 2019 and received by the laboratory on June 26, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S16 E10.5:2.5ft**					
Laboratory ID:	06-286-01					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Chloromethane	ND	0.0039	EPA 8260C	6-26-19	6-26-19	
Vinyl Chloride	0.00020	0.000039	EPA 8260C/SIM	6-26-19	6-26-19	
Bromomethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Chloroethane	ND	0.0039	EPA 8260C	6-26-19	6-26-19	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethene	0.0017	0.00077	EPA 8260C	6-26-19	6-26-19	
Iodomethane	ND	0.0050	EPA 8260C	6-26-19	6-26-19	
Methylene Chloride	ND	0.0039	EPA 8260C	6-26-19	6-26-19	
(trans) 1,2-Dichloroethene	0.0033	0.00077	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
(cis) 1,2-Dichloroethene	0.42	0.048	EPA 8260C	6-26-19	6-27-19	
Bromochloromethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Chloroform	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Trichloroethene	0.0040	0.00077	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Dibromomethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Bromodichloromethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260C	6-26-19	6-26-19	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S16 E10.5:2.5ft**					
Laboratory ID:	06-286-01					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Tetrachloroethene	0.027	0.00077	EPA 8260C	6-26-19	6-26-19	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Dibromochloromethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Chlorobenzene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Bromoform	ND	0.0039	EPA 8260C	6-26-19	6-26-19	
Bromobenzene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
2-Chlorotoluene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
4-Chlorotoluene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	6-26-19	6-26-19	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	6-26-19	6-26-19	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260C	6-26-19	6-26-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*93*	*71-130*				

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S18 E10.5:4ft**					
Laboratory ID:	06-286-02					
Dichlorodifluoromethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Chloromethane	ND	0.0045	EPA 8260C	6-26-19	6-26-19	
Vinyl Chloride	ND	0.000045	EPA 8260C/SIM	6-26-19	6-26-19	
Bromomethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Chloroethane	ND	0.0045	EPA 8260C	6-26-19	6-26-19	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Iodomethane	ND	0.0058	EPA 8260C	6-26-19	6-26-19	
Methylene Chloride	ND	0.0045	EPA 8260C	6-26-19	6-26-19	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
(cis) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Bromochloromethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Chloroform	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Trichloroethene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Dibromomethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Bromodichloromethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
2-Chloroethyl Vinyl Ether	ND	0.0066	EPA 8260C	6-26-19	6-26-19	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S18 E10.5:4ft**					
Laboratory ID:	06-286-02					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Tetrachloroethene	0.069	0.00091	EPA 8260C	6-26-19	6-26-19	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Dibromochloromethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Chlorobenzene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Bromoform	ND	0.0045	EPA 8260C	6-26-19	6-26-19	
Bromobenzene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
2-Chlorotoluene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
4-Chlorotoluene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	6-26-19	6-26-19	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260C	6-26-19	6-26-19	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichlorobenzene	ND	0.0018	EPA 8260C	6-26-19	6-26-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*91*	*71-130*				

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S05 E17.5:2.5ft**					
Laboratory ID:	06-286-03					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Chloromethane	ND	0.0042	EPA 8260C	6-26-19	6-26-19	
Vinyl Chloride	ND	0.000042	EPA 8260C/SIM	6-26-19	6-26-19	
Bromomethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Chloroethane	ND	0.0042	EPA 8260C	6-26-19	6-26-19	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Iodomethane	ND	0.0054	EPA 8260C	6-26-19	6-26-19	
Methylene Chloride	ND	0.0042	EPA 8260C	6-26-19	6-26-19	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Bromochloromethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Chloroform	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Trichloroethene	0.0012	0.00084	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Dibromomethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Bromodichloromethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260C	6-26-19	6-26-19	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S05 E17.5:2.5ft**					
Laboratory ID:	06-286-03					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Tetrachloroethene	0.063	0.00084	EPA 8260C	6-26-19	6-26-19	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Dibromochloromethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Chlorobenzene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Bromoform	ND	0.0042	EPA 8260C	6-26-19	6-26-19	
Bromobenzene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
2-Chlorotoluene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
4-Chlorotoluene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	6-26-19	6-26-19	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	6-26-19	6-26-19	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichlorobenzene	ND	0.0016	EPA 8260C	6-26-19	6-26-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*85*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*91*	*71-130*				

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S15 E27:2.5ft**					
Laboratory ID:	06-286-04					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	6-26-19	6-27-19	
Chloromethane	ND	0.0064	EPA 8260C	6-26-19	6-27-19	
Vinyl Chloride	ND	0.000051	EPA 8260C/SIM	6-26-19	6-27-19	
Bromomethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Chloroethane	ND	0.0051	EPA 8260C	6-26-19	6-27-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Iodomethane	ND	0.0051	EPA 8260C	6-26-19	6-27-19	
Methylene Chloride	ND	0.0051	EPA 8260C	6-26-19	6-27-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
(cis) 1,2-Dichloroethene	0.0055	0.0010	EPA 8260C	6-26-19	6-27-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Chloroform	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Trichloroethene	0.019	0.0010	EPA 8260C	6-26-19	6-27-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	6-26-19	6-27-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S15 E27:2.5ft**					
Laboratory ID:	06-286-04					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Tetrachloroethene	0.46	0.056	EPA 8260C	6-26-19	6-27-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Bromoform	ND	0.0051	EPA 8260C	6-26-19	6-27-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	6-26-19	6-27-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-27-19	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	6-26-19	6-27-19	
1,2,3-Trichlorobenzene	ND	0.0020	EPA 8260C	6-26-19	6-27-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*84*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*90*	*71-130*				

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S22 E20:2.5ft**					
Laboratory ID:	06-286-05					
Dichlorodifluoromethane	ND	0.00099	EPA 8260C	6-26-19	6-27-19	
Chloromethane	ND	0.0048	EPA 8260C	6-26-19	6-27-19	
Vinyl Chloride	ND	0.000038	EPA 8260C/SIM	6-26-19	6-27-19	
Bromomethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Chloroethane	ND	0.0038	EPA 8260C	6-26-19	6-27-19	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Iodomethane	ND	0.0038	EPA 8260C	6-26-19	6-27-19	
Methylene Chloride	ND	0.0038	EPA 8260C	6-26-19	6-27-19	
(trans) 1,2-Dichloroethene	0.0020	0.00076	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
(cis) 1,2-Dichloroethene	0.039	0.00076	EPA 8260C	6-26-19	6-27-19	
Bromochloromethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Chloroform	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Trichloroethene	0.13	0.00076	EPA 8260C	6-26-19	6-27-19	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Dibromomethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Bromodichloromethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	6-26-19	6-27-19	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
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Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S22 E20:2.5ft**					
Laboratory ID:	06-286-05					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Tetrachloroethene	0.068	0.00076	EPA 8260C	6-26-19	6-27-19	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Dibromochloromethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Chlorobenzene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Bromoform	ND	0.0038	EPA 8260C	6-26-19	6-27-19	
Bromobenzene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
2-Chlorotoluene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
4-Chlorotoluene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	6-26-19	6-27-19	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	6-26-19	6-27-19	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	6-26-19	6-27-19	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260C	6-26-19	6-27-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
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Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24 E22:2.5ft**					
Laboratory ID:	06-286-06					
Dichlorodifluoromethane	ND	0.00097	EPA 8260C	6-26-19	6-27-19	
Chloromethane	ND	0.0047	EPA 8260C	6-26-19	6-27-19	
Vinyl Chloride	ND	0.000037	EPA 8260C/SIM	6-26-19	6-27-19	
Bromomethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Chloroethane	ND	0.0037	EPA 8260C	6-26-19	6-27-19	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Iodomethane	ND	0.0037	EPA 8260C	6-26-19	6-27-19	
Methylene Chloride	ND	0.0037	EPA 8260C	6-26-19	6-27-19	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
(cis) 1,2-Dichloroethene	0.0039	0.00074	EPA 8260C	6-26-19	6-27-19	
Bromochloromethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Chloroform	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Trichloroethene	0.011	0.00074	EPA 8260C	6-26-19	6-27-19	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Dibromomethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Bromodichloromethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	6-26-19	6-27-19	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24 E22:2.5ft**					
Laboratory ID:	06-286-06					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Tetrachloroethene	0.033	0.00074	EPA 8260C	6-26-19	6-27-19	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Dibromochloromethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Chlorobenzene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Bromoform	ND	0.0037	EPA 8260C	6-26-19	6-27-19	
Bromobenzene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
2-Chlorotoluene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
4-Chlorotoluene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	6-26-19	6-27-19	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	6-26-19	6-27-19	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	6-26-19	6-27-19	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260C	6-26-19	6-27-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0626S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Chloromethane	ND	0.0050	EPA 8260C	6-26-19	6-26-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	6-26-19	6-26-19	
Bromomethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Chloroethane	ND	0.0050	EPA 8260C	6-26-19	6-26-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Iodomethane	ND	0.0064	EPA 8260C	6-26-19	6-26-19	
Methylene Chloride	ND	0.0050	EPA 8260C	6-26-19	6-26-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Chloroform	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Trichloroethene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
2-Chloroethyl Vinyl Ether	ND	0.0073	EPA 8260C	6-26-19	6-26-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0626S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Bromoform	ND	0.0050	EPA 8260C	6-26-19	6-26-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-26-19	6-26-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-26-19	6-26-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-26-19	6-26-19	
1,2,3-Trichlorobenzene	ND	0.0020	EPA 8260C	6-26-19	6-26-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*94*	*71-130*				

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0626S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0463**	**0.0512**	0.0500	0.0500	93	102	57-133	10	18	
Benzene	**0.0443**	**0.0505**	0.0500	0.0500	89	101	71-129	13	16	
Trichloroethene	**0.0484**	**0.0524**	0.0500	0.0500	97	105	71-122	8	16	
Toluene	**0.0453**	**0.0500**	0.0500	0.0500	91	100	74-125	10	15	
Chlorobenzene	**0.0470**	**0.0522**	0.0500	0.0500	94	104	72-120	10	14	
Surrogate:										
Dibromofluoromethane					*92*	*97*	*76-131*			
Toluene-d8					*94*	*95*	*78-128*			
4-Bromofluorobenzene					*96*	*87*	*71-130*			

Date of Report: June 27, 2019
Samples Submitted: June 26, 2019
Laboratory Reference: 1906-286
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S16 E10.5:2.5ft	06-286-01	**14**	6-26-19
S18 E10.5:4ft	06-286-02	**8**	6-26-19
S05 E17.5:2.5ft	06-286-03	**17**	6-26-19
S15 E27:2.5ft	06-286-04	**20**	6-26-19
S22 E20:2.5ft	06-286-05	**13**	6-26-19
S24 E22:2.5ft	06-286-06	**12**	6-26-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

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OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jensen
Sampled by: Jeff Jensen

Turnaround Request (in working days)
(Check One)
☒ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 06-286

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	S16 E10.5: 2.5ft	6/26/19	1010	S	4						X																X
2	S18 E10.5: 4 ft		1020								X																
3	S05 E17.5: 2.5ft		1045								X																
4	S15 E27: 2.5ft		1235								X																
5	S22 E20: 2.5ft		1245								X																
6	S24 E22: 2.5ft		1310								X																

	Signature	Company	Date	Time
Relinquished		Kane	6/26/19	1441
Received	Walker Cisneros	OSE	6/26/19	1441
Relinquished				
Received				
Relinquished				
Received				

Reviewed/Date

Reviewed/Date

Comments/Special Instructions

Need 0.08 ppb detection limit for VC

Need Results by 6/28 AM

Data Package: Standard ☒ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 1, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1906-327

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on June 28, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

Case Narrative

Samples were collected on June 28, 2019 and received by the laboratory on June 28, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E32:2.5**					
Laboratory ID:	06-327-01					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0051	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	ND	0.000051	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0051	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0051	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0051	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	0.0035	0.0010	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	0.018	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.022	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E32:2.5**					
Laboratory ID:	06-327-01					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	0.39	0.044	EPA 8260C/SIM	7-1-19	7-1-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0051	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*89*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S18.5 E32:5**					
Laboratory ID:	06-327-02					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0049	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	ND	0.000049	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0049	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0049	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0049	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	0.0017	0.00098	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	0.0013	0.00098	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.022	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S18.5 E32:5**					
Laboratory ID:	06-327-02					
1,1,2-Trichloroethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	0.0085	0.00098	EPA 8260C/SIM	6-28-19	6-28-19	
1,3-Dichloropropane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0049	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.00098	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*76-131*				
Toluene-d8	*90*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S36 E7.5:2.5**					
Laboratory ID:	06-327-03					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0046	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	ND	0.000046	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0046	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0046	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0046	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.020	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S36 E7.5:2.5**					
Laboratory ID:	06-327-03					
1,1,2-Trichloroethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	0.028	0.00092	EPA 8260C/SIM	6-28-19	6-28-19	
1,3-Dichloropropane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0046	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.00092	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*76-131*				
Toluene-d8	*93*	*78-128*				
4-Bromofluorobenzene	*98*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S38 E11:2.5**					
Laboratory ID:	06-327-04					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	ND	0.000041	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	0.0019	0.00081	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.018	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S38 E11:2.5**					
Laboratory ID:	06-327-04					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	0.027	0.00081	EPA 8260C/SIM	6-28-19	6-28-19	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*76-131*				
Toluene-d8	*87*	*78-128*				
4-Bromofluorobenzene	*105*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S37 E18:2.5**					
Laboratory ID:	06-327-05					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	0.000061	0.000042	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	0.0083	0.00084	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	0.028	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.018	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S37 E18:2.5**					
Laboratory ID:	06-327-05					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	0.020	0.00084	EPA 8260C/SIM	6-28-19	6-28-19	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S34 E16:6.5**					
Laboratory ID:	06-327-06					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	ND	0.000041	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	0.041	0.00083	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.018	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S34 E16:6.5**					
Laboratory ID:	06-327-06					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	0.059	0.00083	EPA 8260C/SIM	6-28-19	6-28-19	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*84*	*76-131*				
Toluene-d8	*89*	*78-128*				
4-Bromofluorobenzene	*91*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24 E18:5**					
Laboratory ID:	06-327-07					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	ND	0.000042	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	0.0012	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.018	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24 E18:5**					
Laboratory ID:	06-327-07					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	0.023	0.00084	EPA 8260C/SIM	6-28-19	6-28-19	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*76-131*				
Toluene-d8	*89*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0628S1					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	6-28-19	6-28-19	
Chloromethane	ND	0.0050	EPA 8260C	6-28-19	6-28-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	6-28-19	6-28-19	
Bromomethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Chloroethane	ND	0.0050	EPA 8260C	6-28-19	6-28-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Iodomethane	ND	0.0050	EPA 8260C	6-28-19	6-28-19	
Methylene Chloride	ND	0.0050	EPA 8260C	6-28-19	6-28-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Bromochloromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Chloroform	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Trichloroethene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Dibromomethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
2-Chloroethyl Vinyl Ether	ND	0.022	EPA 8260C	6-28-19	6-28-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	

Date of Report: June 29, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0628S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Tetrachloroethene	ND	0.0010	EPA 8260C/SIM	6-28-19	6-28-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Chlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Bromoform	ND	0.0050	EPA 8260C	6-28-19	6-28-19	
Bromobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	6-28-19	6-28-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-28-19	6-28-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-28-19	6-28-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-28-19	6-28-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*76-131*				
Toluene-d8	*91*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0701S2					
Dichlorodifluoromethane	ND	0.0014	EPA 8260C	7-1-19	7-1-19	
Chloromethane	ND	0.0065	EPA 8260C	7-1-19	7-1-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	7-1-19	7-1-19	
Bromomethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Chloroethane	ND	0.0050	EPA 8260C	7-1-19	7-1-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Iodomethane	ND	0.0050	EPA 8260C	7-1-19	7-1-19	
Methylene Chloride	ND	0.0050	EPA 8260C	7-1-19	7-1-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Chloroform	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Dibromomethane	ND	0.0015	EPA 8260C	7-1-19	7-1-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
2-Chloroethyl Vinyl Ether	ND	0.0070	EPA 8260C	7-1-19	7-1-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0701S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Tetrachloroethene	ND	0.0010	EPA 8260C/SIM	7-1-19	7-1-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Bromoform	ND	0.0050	EPA 8260C	7-1-19	7-1-19	
Bromobenzene	ND	0.0013	EPA 8260C	7-1-19	7-1-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-1-19	7-1-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-1-19	7-1-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
4-Chlorotoluene	ND	0.0013	EPA 8260C	7-1-19	7-1-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260C	7-1-19	7-1-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-1-19	7-1-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-1-19	7-1-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*104*	*71-130*				

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0628S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0434**	**0.0446**	0.0500	0.0500	87	89	57-133	3	18	
Benzene	**0.0408**	**0.0434**	0.0500	0.0500	82	87	71-129	6	16	
Trichloroethene	**0.0471**	**0.0491**	0.0500	0.0500	94	98	71-122	4	16	
Toluene	**0.0430**	**0.0468**	0.0500	0.0500	86	94	74-125	8	15	
Chlorobenzene	**0.0464**	**0.0491**	0.0500	0.0500	93	98	72-120	6	14	
Surrogate:										
Dibromofluoromethane					*87*	*89*	*76-131*			
Toluene-d8					*90*	*95*	*78-128*			
4-Bromofluorobenzene					*103*	*104*	*71-130*			

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0701S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0446**	**0.0495**	0.0500	0.0500	89	99	57-133	10	18	
Benzene	**0.0441**	**0.0487**	0.0500	0.0500	88	97	71-129	10	16	
Trichloroethene	**0.0510**	**0.0527**	0.0500	0.0500	102	105	71-122	3	16	
Toluene	**0.0466**	**0.0490**	0.0500	0.0500	93	98	74-125	5	15	
Chlorobenzene	**0.0488**	**0.0501**	0.0500	0.0500	98	100	72-120	3	14	
Surrogate:										
Dibromofluoromethane					*87*	*89*	*76-131*			
Toluene-d8					*90*	*90*	*78-128*			
4-Bromofluorobenzene					*104*	*102*	*71-130*			

Date of Report: July 1, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-327
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S19 E32:2.5	06-327-01	**8**	6-28-19
S18.5 E32:5	06-327-02	**7**	6-28-19
S36 E7.5:2.5	06-327-03	**4**	6-28-19
S38 E11:2.5	06-327-04	**8**	6-28-19
S37 E18:2.5	06-327-05	**16**	6-28-19
S34 E16:6.5	06-327-06	**18**	6-28-19
S24 E18:5	06-327-07	**6**	6-28-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-327

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jenson
Sampled by: Eric Nassau

Turnaround Request (in working days)
(Check One)
☒ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	S19 E32:2.5	6/28	1015	soil	4						X																X
2	S18.5 E32:5		1020								X																X
3	S36 E7.5:2.5		1150								X																X
4	S38 E11:2.5		1205								X																X
5	S37 E18:2.5		1215								X																X
6	S34 E16:6.5		1225								X																X
7	S24 E18:5		1240								X																X

	Signature	Company	Date	Time
Relinquished	Eric Nassau	Kane	6/28/19	1335
Received		CORE	6/28/19	1335
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Need 0.08 ppb detection limit for VC

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 3, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1907-012

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on July 1, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

Case Narrative

Samples were collected on July 1, 2019 and received by the laboratory on July 1, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29 E9:2.5**					
Laboratory ID:	07-012-01					
Dichlorodifluoromethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0034	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000034	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0034	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0034	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0034	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0034	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29 E9:2.5**					
Laboratory ID:	07-012-01					
1,1,2-Trichloroethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.038	0.00068	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0034	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0034	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00068	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*87*	*76-131*				
Toluene-d8	*87*	*78-128*				
4-Bromofluorobenzene	*109*	*71-130*				

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29.5 E9:5**					
Laboratory ID:	07-012-02					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000040	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.0027	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29.5 E9:5**					
Laboratory ID:	07-012-02					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.19	0.00081	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*107*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29.5 E9:6.5**					
Laboratory ID:	07-012-03					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000042	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.00086	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S29.5 E9:6.5**					
Laboratory ID:	07-012-03					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.035	0.00085	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*87*	*76-131*				
Toluene-d8	*91*	*78-128*				
4-Bromofluorobenzene	*109*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S31 E18:7**					
Laboratory ID:	07-012-04					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000051	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.0029	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S31 E18:7**					
Laboratory ID:	07-012-04					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.011	0.0010	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*85*	*76-131*				
Toluene-d8	*87*	*78-128*				
4-Bromofluorobenzene	*110*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S39 E19.5:3**					
Laboratory ID:	07-012-05					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000042	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	0.0023	0.00085	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.032	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S39 E19.5:3**					
Laboratory ID:	07-012-05					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.15	0.00085	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*76-131*				
Toluene-d8	*89*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S39 E19.5:4.5**					
Laboratory ID:	07-012-06					
Dichlorodifluoromethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0047	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000047	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0047	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0047	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0047	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.020	0.00094	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S39 E19.5:4.5**					
Laboratory ID:	07-012-06					
1,1,2-Trichloroethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.19	0.00094	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0047	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00094	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*90*	*78-128*				
4-Bromofluorobenzene	*96*	*71-130*				

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
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Project: 82302-9.3

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S38.5 E19.5:7**					
Laboratory ID:	07-012-07					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000044	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.021	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S38.5 E19.5:7**					
Laboratory ID:	07-012-07					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.010	0.00088	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*76-131*				
Toluene-d8	*91*	*78-128*				
4-Bromofluorobenzene	*98*	*71-130*				

Date of Report: July 3, 2019
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S23 E21:5**					
Laboratory ID:	07-012-08					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0045	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000045	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0045	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0045	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0045	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	0.0015	0.00090	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.016	0.00090	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S23 E21:5**					
Laboratory ID:	07-012-08					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.018	0.00090	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0045	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*82*	*76-131*				
Toluene-d8	*86*	*78-128*				
4-Bromofluorobenzene	*109*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S22 E29:2.5**					
Laboratory ID:	07-012-09					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000044	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.0045	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S22 E29:2.5**					
Laboratory ID:	07-012-09					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.039	0.00088	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*76-131*				
Toluene-d8	*90*	*78-128*				
4-Bromofluorobenzene	*105*	*71-130*				

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
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VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S38 E7.5:5**					
Laboratory ID:	07-012-10					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000040	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	0.0022	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S38 E7.5:5**					
Laboratory ID:	07-012-10					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	0.24	0.042	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*76-131*				
Toluene-d8	*88*	*78-128*				
4-Bromofluorobenzene	*109*	*71-130*				

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0702S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chloromethane	ND	0.0050	EPA 8260C	7-2-19	7-2-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	7-2-19	7-2-19	
Bromomethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chloroethane	ND	0.0050	EPA 8260C	7-2-19	7-2-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Iodomethane	ND	0.0050	EPA 8260C	7-2-19	7-2-19	
Methylene Chloride	ND	0.0050	EPA 8260C	7-2-19	7-2-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chloroform	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Dibromomethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	7-2-19	7-2-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0702S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Bromoform	ND	0.0050	EPA 8260C	7-2-19	7-2-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-2-19	7-2-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260C	7-2-19	7-2-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-2-19	7-2-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-2-19	7-2-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*76-131*				
Toluene-d8	*91*	*78-128*				
4-Bromofluorobenzene	*110*	*71-130*				

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0702S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0391**	**0.0429**	0.0500	0.0500	78	86	57-133	9	18	
Benzene	**0.0396**	**0.0429**	0.0500	0.0500	79	86	71-129	8	16	
Trichloroethene	**0.0461**	**0.0492**	0.0500	0.0500	92	98	71-122	7	16	
Toluene	**0.0430**	**0.0447**	0.0500	0.0500	86	89	74-125	4	15	
Chlorobenzene	**0.0445**	**0.0486**	0.0500	0.0500	89	97	72-120	9	14	
Surrogate:										
Dibromofluoromethane					*84*	*85*	*76-131*			
Toluene-d8					*89*	*90*	*78-128*			
4-Bromofluorobenzene					*109*	*113*	*71-130*			

Date of Report: July 3, 2019
Samples Submitted: July 1, 2019
Laboratory Reference: 1907-012
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S29 E9:2.5	07-012-01	**4**	7-2-19
S29.5 E9:5	07-012-02	**3**	7-2-19
S29.5 E9:6.5	07-012-03	**4**	7-2-19
S31 E18:7	07-012-04	**8**	7-2-19
S39 E19.5:3	07-012-05	**10**	7-2-19
S39 E19.5:4.5	07-012-06	**14**	7-2-19
S38.5 E19.5:7	07-012-07	**18**	7-2-19
S23 E21:5	07-012-08	**20**	7-2-19
S22 E29:2.5	07-012-09	**8**	7-2-19
S38 E7.5:5	07-012-10	**5**	7-2-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 07-012

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jensen
Sampled by: EM

Turnaround Request (in working days)
(Check One)
☑ Same Day ☑ 1 Day ☐ 2 Days ☐ 3 Days ☐ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	S29E9:2.5	7/1/19	1030	Soil	4						X												10
2	S29.5E9:5		1035								X												
3	S29.5E9:6.5		1040								X												
4	S31E18:7		1235								X												
5	S39E19.5:3		1305								X												
6	S39E19.5:4.5		1315								X												
7	S38.5E19.5:7		1320								X												
8	S23E21:5		1400								X												
9	S22E29:2.5		1415								X												
10	S38E7.5:5		1425								X												

	Signature	Company	Date	Time
Relinquished		Kane	7/1/19	1500
Received		ONE	7/1/19	1500
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Low level VC - 0.08 ppb detection limit
1 day TAT

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 5, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1907-050

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on July 3, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

Case Narrative

Samples were collected on July 3, 2019 and received by the laboratory on July 3, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E7.5:5'**					
Laboratory ID:	07-050-01					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	7-3-19	7-3-19	
Chloromethane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	7-3-19	7-3-19	
Bromomethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroethane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Iodomethane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Methylene Chloride	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroform	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E7.5:5'**					
Laboratory ID:	07-050-01					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Tetrachloroethene	0.0019	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromoform	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*76-131*				
Toluene-d8	*96*	*78-128*				
4-Bromofluorobenzene	*108*	*71-130*				

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E7.5:7'**					
Laboratory ID:	07-050-02					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	7-3-19	7-3-19	
Chloromethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Vinyl Chloride	ND	0.000051	EPA 8260C/SIM	7-3-19	7-3-19	
Bromomethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Iodomethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Methylene Chloride	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroform	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E7.5:7'**					
Laboratory ID:	07-050-02					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Tetrachloroethene	0.0021	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromoform	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*105*	*71-130*				

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E19:7'**					
Laboratory ID:	07-050-03					
Dichlorodifluoromethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
Chloromethane	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
Vinyl Chloride	0.000097	0.000054	EPA 8260C/SIM	7-3-19	7-3-19	
Bromomethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Chloroethane	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Iodomethane	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
Methylene Chloride	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
(cis) 1,2-Dichloroethene	0.0020	0.0011	EPA 8260C	7-3-19	7-3-19	
Bromochloromethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Chloroform	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Trichloroethene	0.0086	0.0011	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Dibromomethane	ND	0.0015	EPA 8260C	7-3-19	7-3-19	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E19:7'**					
Laboratory ID:	07-050-03					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Tetrachloroethene	0.043	0.0011	EPA 8260C	7-3-19	7-3-19	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Chlorobenzene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Bromoform	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
Bromobenzene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260C	7-3-19	7-3-19	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Hexachlorobutadiene	ND	0.0054	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-3-19	7-3-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
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Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E19:5'**					
Laboratory ID:	07-050-04					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	7-3-19	7-3-19	
Chloromethane	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
Vinyl Chloride	ND	0.000049	EPA 8260C/SIM	7-3-19	7-3-19	
Bromomethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Chloroethane	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
Trichlorofluoromethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Iodomethane	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
Methylene Chloride	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
2,2-Dichloropropane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Bromochloromethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Chloroform	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Carbon Tetrachloride	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloropropene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloroethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Trichloroethene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloropropane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
Bromodichloromethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41-E19:5'**					
Laboratory ID:	07-050-04					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Tetrachloroethene	0.0054	0.00097	EPA 8260C	7-3-19	7-3-19	
1,3-Dichloropropane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Dibromochloromethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromoethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Chlorobenzene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Bromoform	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
Bromobenzene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
2-Chlorotoluene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
4-Chlorotoluene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260C	7-3-19	7-3-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*110*	*71-130*				

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S35-E12:7'**					
Laboratory ID:	07-050-05					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	7-3-19	7-3-19	
Chloromethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Vinyl Chloride	ND	0.000051	EPA 8260C/SIM	7-3-19	7-3-19	
Bromomethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Iodomethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Methylene Chloride	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(cis) 1,2-Dichloroethene	0.030	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroform	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Trichloroethene	0.0012	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	

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Project: 82302-9.3

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S35-E12:7'**					
Laboratory ID:	07-050-05					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Tetrachloroethene	0.016	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromoform	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
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Project: 82302-9.3

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24-E22:5'**					
Laboratory ID:	07-050-06					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	7-3-19	7-3-19	
Chloromethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Vinyl Chloride	ND	0.000051	EPA 8260C/SIM	7-3-19	7-3-19	
Bromomethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Iodomethane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Methylene Chloride	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(cis) 1,2-Dichloroethene	0.0023	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroform	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Trichloroethene	0.020	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	

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Samples Submitted: July 3, 2019
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24-E22:5'**					
Laboratory ID:	07-050-06					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Tetrachloroethene	0.029	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromoform	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*76-131*				
Toluene-d8	*97*	*78-128*				
4-Bromofluorobenzene	*104*	*71-130*				

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0703S2					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	7-3-19	7-3-19	
Chloromethane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	7-3-19	7-3-19	
Bromomethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroethane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Iodomethane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Methylene Chloride	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chloroform	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0703S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Bromoform	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-3-19	7-3-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-3-19	7-3-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-3-19	7-3-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*106*	*71-130*				

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0703S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0395**	**0.0407**	0.0500	0.0500	79	81	57-133	3	18	
Benzene	**0.0407**	**0.0412**	0.0500	0.0500	81	82	71-129	1	16	
Trichloroethene	**0.0474**	**0.0479**	0.0500	0.0500	95	96	71-122	1	16	
Toluene	**0.0436**	**0.0442**	0.0500	0.0500	87	88	74-125	1	15	
Chlorobenzene	**0.0470**	**0.0485**	0.0500	0.0500	94	97	72-120	3	14	
Surrogate:										
Dibromofluoromethane					*93*	*93*	*76-131*			
Toluene-d8					*92*	*92*	*78-128*			
4-Bromofluorobenzene					*106*	*104*	*71-130*			

Date of Report: July 5, 2019
Samples Submitted: July 3, 2019
Laboratory Reference: 1907-050
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S41-E7.5:5'	07-050-01	**4**	7-3-19
S41-E7.5:7'	07-050-02	**4**	7-3-19
S41-E19:7'	07-050-03	**24**	7-3-19
S41-E19:5'	07-050-04	**5**	7-3-19
S35-E12:7'	07-050-05	**18**	7-3-19
S24-E22:5'	07-050-06	**21**	7-3-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jensen
Sampled by: JKane

Turnaround Request (in working days)
(Check One)
- [x] Same Day
- [x] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [ ] Standard (7 Days)
- [ ] _____ (other)

Laboratory Number: 07-050

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	S41-E7.5:5'	7-3-19	9:40	S	4						X																X
2	S41-E7.5:7'		9:50								X																X
3	S41-E19:7'		10:20								X																X
4	S41-E19:5'		10:30								X																X
5	S35-E12:7'		10:45								X																X
6	S24-E22:5'	↓	11:00	↓							X																X

	Signature	Company	Date	Time
Relinquished	Jeh Kane	Kane Env. OSE	7-3-19	12:23
Received			7/3/19	1223
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Friday 7-5-19
low level vinyl chloride — 0.08 ppb

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 9, 2019

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-9.3
Laboratory Reference No. 1907-076

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on July 8, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

Case Narrative

Samples were collected on July 8, 2019 and received by the laboratory on July 8, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41 E19:8.5**					
Laboratory ID:	07-076-01					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	7-8-19	7-8-19	
Chloromethane	ND	0.0051	EPA 8260C	7-8-19	7-8-19	
Vinyl Chloride	ND	0.000051	EPA 8260C/SIM	7-8-19	7-8-19	
Bromomethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Chloroethane	ND	0.0051	EPA 8260C	7-8-19	7-8-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Iodomethane	ND	0.0077	EPA 8260C	7-8-19	7-8-19	
Methylene Chloride	ND	0.0051	EPA 8260C	7-8-19	7-8-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Chloroform	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-8-19	7-8-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260C	7-8-19	7-8-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41 E19:8.5**					
Laboratory ID:	07-076-01					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Tetrachloroethene	ND	0.0010	EPA 8260C/SIM	7-8-19	7-8-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Bromoform	ND	0.0051	EPA 8260C	7-8-19	7-8-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	7-8-19	7-8-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*100*	*71-130*				

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41 E20:7**					
Laboratory ID:	07-076-02					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	7-8-19	7-8-19	
Chloromethane	ND	0.0049	EPA 8260C	7-8-19	7-8-19	
Vinyl Chloride	ND	0.000049	EPA 8260C/SIM	7-8-19	7-8-19	
Bromomethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Chloroethane	ND	0.0049	EPA 8260C	7-8-19	7-8-19	
Trichlorofluoromethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Iodomethane	ND	0.0073	EPA 8260C	7-8-19	7-8-19	
Methylene Chloride	ND	0.0049	EPA 8260C	7-8-19	7-8-19	
(trans) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
2,2-Dichloropropane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
(cis) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Bromochloromethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Chloroform	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,1,1-Trichloroethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Carbon Tetrachloride	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloropropene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloroethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Trichloroethene	0.0051	0.00098	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloropropane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-8-19	7-8-19	
Bromodichloromethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260C	7-8-19	7-8-19	
(cis) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
(trans) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S41 E20:7**					
Laboratory ID:	07-076-02					
1,1,2-Trichloroethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Tetrachloroethene	0.016	0.00098	EPA 8260C/SIM	7-8-19	7-8-19	
1,3-Dichloropropane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Dibromochloromethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromoethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Chlorobenzene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,1,1,2-Tetrachloroethane	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Bromoform	ND	0.0049	EPA 8260C	7-8-19	7-8-19	
Bromobenzene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
2-Chlorotoluene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
4-Chlorotoluene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,3-Dichlorobenzene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,4-Dichlorobenzene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,2-Dichlorobenzene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	7-8-19	7-8-19	
1,2,4-Trichlorobenzene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichlorobenzene	ND	0.00098	EPA 8260C	7-8-19	7-8-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*96*	*71-130*				

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S35 E12:8.5**					
Laboratory ID:	07-076-03					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
Chloromethane	ND	0.0043	EPA 8260C	7-8-19	7-8-19	
Vinyl Chloride	ND	0.000043	EPA 8260C/SIM	7-8-19	7-8-19	
Bromomethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Chloroethane	ND	0.0043	EPA 8260C	7-8-19	7-8-19	
Trichlorofluoromethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Iodomethane	ND	0.0065	EPA 8260C	7-8-19	7-8-19	
Methylene Chloride	ND	0.0043	EPA 8260C	7-8-19	7-8-19	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
(cis) 1,2-Dichloroethene	0.045	0.00087	EPA 8260C	7-8-19	7-8-19	
Bromochloromethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Chloroform	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Trichloroethene	0.0014	0.00087	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Dibromomethane	ND	0.0012	EPA 8260C	7-8-19	7-8-19	
Bromodichloromethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260C	7-8-19	7-8-19	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S35 E12:8.5**					
Laboratory ID:	07-076-03					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Tetrachloroethene	0.030	0.00087	EPA 8260C/SIM	7-8-19	7-8-19	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Dibromochloromethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Chlorobenzene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Bromoform	ND	0.0043	EPA 8260C	7-8-19	7-8-19	
Bromobenzene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-8-19	7-8-19	
2-Chlorotoluene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
4-Chlorotoluene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	7-8-19	7-8-19	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	7-8-19	7-8-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*76-131*				
Toluene-d8	*92*	*78-128*				
4-Bromofluorobenzene	*96*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E11:4**					
Laboratory ID:	07-076-04					
Dichlorodifluoromethane	ND	0.0014	EPA 8260C	7-8-19	7-8-19	
Chloromethane	ND	0.0045	EPA 8260C	7-8-19	7-8-19	
Vinyl Chloride	ND	0.000045	EPA 8260C/SIM	7-8-19	7-8-19	
Bromomethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Chloroethane	ND	0.0045	EPA 8260C	7-8-19	7-8-19	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Iodomethane	ND	0.0068	EPA 8260C	7-8-19	7-8-19	
Methylene Chloride	ND	0.0045	EPA 8260C	7-8-19	7-8-19	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Bromochloromethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Chloroform	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Trichloroethene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Dibromomethane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
Bromodichloromethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260C	7-8-19	7-8-19	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S19 E11:4**					
Laboratory ID:	07-076-04					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Tetrachloroethene	0.0035	0.00090	EPA 8260C/SIM	7-8-19	7-8-19	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Dibromochloromethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Chlorobenzene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Bromoform	ND	0.0045	EPA 8260C	7-8-19	7-8-19	
Bromobenzene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	7-8-19	7-8-19	
2-Chlorotoluene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
4-Chlorotoluene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	7-8-19	7-8-19	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	7-8-19	7-8-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24 E13:5**					
Laboratory ID:	07-076-05					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	7-9-19	7-9-19	
Chloromethane	ND	0.0064	EPA 8260C	7-9-19	7-9-19	
Vinyl Chloride	ND	0.000046	EPA 8260C/SIM	7-9-19	7-9-19	
Bromomethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Chloroethane	ND	0.0046	EPA 8260C	7-9-19	7-9-19	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Iodomethane	ND	0.0046	EPA 8260C	7-9-19	7-9-19	
Methylene Chloride	ND	0.0046	EPA 8260C	7-9-19	7-9-19	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Bromochloromethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Chloroform	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Trichloroethene	0.0016	0.00093	EPA 8260C	7-9-19	7-9-19	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Dibromomethane	ND	0.0013	EPA 8260C	7-9-19	7-9-19	
Bromodichloromethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	7-9-19	7-9-19	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S24 E13:5**					
Laboratory ID:	07-076-05					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Tetrachloroethene	0.079	0.00093	EPA 8260C/SIM	7-9-19	7-9-19	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Dibromochloromethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Chlorobenzene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Bromoform	ND	0.0046	EPA 8260C	7-9-19	7-9-19	
Bromobenzene	ND	0.0013	EPA 8260C	7-9-19	7-9-19	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	7-9-19	7-9-19	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	7-9-19	7-9-19	
2-Chlorotoluene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
4-Chlorotoluene	ND	0.0012	EPA 8260C	7-9-19	7-9-19	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	7-9-19	7-9-19	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	7-9-19	7-9-19	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	7-9-19	7-9-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*76-131*				
Toluene-d8	*96*	*78-128*				
4-Bromofluorobenzene	*105*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0708S2					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	7-8-19	7-8-19	
Chloromethane	ND	0.0050	EPA 8260C	7-8-19	7-8-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	7-8-19	7-8-19	
Bromomethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Chloroethane	ND	0.0050	EPA 8260C	7-8-19	7-8-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Iodomethane	ND	0.0075	EPA 8260C	7-8-19	7-8-19	
Methylene Chloride	ND	0.0050	EPA 8260C	7-8-19	7-8-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Chloroform	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-8-19	7-8-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260C	7-8-19	7-8-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0708S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Tetrachloroethene	ND	0.0010	EPA 8260C/SIM	7-8-19	7-8-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Bromoform	ND	0.0050	EPA 8260C	7-8-19	7-8-19	
Bromobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-8-19	7-8-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	7-8-19	7-8-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-8-19	7-8-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-8-19	7-8-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*95*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0709S2					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	7-9-19	7-9-19	
Chloromethane	ND	0.0069	EPA 8260C	7-9-19	7-9-19	
Vinyl Chloride	ND	0.000050	EPA 8260C/SIM	7-9-19	7-9-19	
Bromomethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Chloroethane	ND	0.0050	EPA 8260C	7-9-19	7-9-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Iodomethane	ND	0.0050	EPA 8260C	7-9-19	7-9-19	
Methylene Chloride	ND	0.0050	EPA 8260C	7-9-19	7-9-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Bromochloromethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Chloroform	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Trichloroethene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Dibromomethane	ND	0.0014	EPA 8260C	7-9-19	7-9-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	7-9-19	7-9-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0709S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Tetrachloroethene	ND	0.0010	EPA 8260C/SIM	7-9-19	7-9-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Chlorobenzene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Bromoform	ND	0.0050	EPA 8260C	7-9-19	7-9-19	
Bromobenzene	ND	0.0014	EPA 8260C	7-9-19	7-9-19	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-9-19	7-9-19	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-9-19	7-9-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
4-Chlorotoluene	ND	0.0013	EPA 8260C	7-9-19	7-9-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	7-9-19	7-9-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-9-19	7-9-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-9-19	7-9-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*108*	*71-130*				

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

VOLATILE ORGANICS EPA 8260C/SIM
SB/SBD QUALITY CONTROL

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0708S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0459**	**0.0441**	0.0500	0.0500	92	88	57-133	4	18	
Benzene	**0.0456**	**0.0439**	0.0500	0.0500	91	88	71-129	4	16	
Trichloroethene	**0.0541**	**0.0510**	0.0500	0.0500	108	102	71-122	6	16	
Toluene	**0.0487**	**0.0465**	0.0500	0.0500	97	93	74-125	5	15	
Chlorobenzene	**0.0535**	**0.0503**	0.0500	0.0500	107	101	72-120	6	14	
Surrogate:										
Dibromofluoromethane					*93*	*93*	*76-131*			
Toluene-d8					*92*	*91*	*78-128*			
4-Bromofluorobenzene					*99*	*101*	*71-130*			
Laboratory ID:	SB0709S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0361**	**0.0396**	0.0500	0.0500	72	79	57-133	9	18	
Benzene	**0.0372**	**0.0405**	0.0500	0.0500	74	81	71-129	8	16	
Trichloroethene	**0.0436**	**0.0458**	0.0500	0.0500	87	92	71-122	5	16	
Toluene	**0.0392**	**0.0425**	0.0500	0.0500	78	85	74-125	8	15	
Chlorobenzene	**0.0437**	**0.0453**	0.0500	0.0500	87	91	72-120	4	14	
Surrogate:										
Dibromofluoromethane					*92*	*94*	*76-131*			
Toluene-d8					*93*	*92*	*78-128*			
4-Bromofluorobenzene					*107*	*102*	*71-130*			

Date of Report: July 9, 2019
Samples Submitted: July 8, 2019
Laboratory Reference: 1907-076
Project: 82302-9.3

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
S41 E19:8.5	07-076-01	**14**	7-8-19
S41 E20:7	07-076-02	**26**	7-8-19
S35 E12:8.5	07-076-03	**18**	7-8-19
S19 E11:4	07-076-04	**8**	7-8-19
S24 E13:5	07-076-05	**4**	7-8-19

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Kane Environmental
Project Number: 82302-9.3
Project Name: BSCSS
Project Manager: Jeff Jensen
Sampled by: Eric Nassan

Turnaround Request (in working days)
(Check One)
☐ Same Day ☒ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 07-076

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	S41 E19 : 8.5	7/8/19	1058	Soil	4						X																X
2	S41 E20 : 7		1105		4						X																X
3	S35 E12 : 8.5		1120		4						X																X
4	S19 E11 : 4		1135		4						X																X
5	S24 E13 : 5		1200		4						X																X

	Signature	Company	Date	Time
Relinquished	Eric Nassan	Kane	7/8/19	1325
Received			7/8/19	1325
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Low level: VC 0.08 ppb detection limit

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐