SoundEarth Strategies, Inc.
2811 Fairview Avenue East, Suite 2000
Seattle, Washington 98102

October 18, 2016

Mr. Dean Yasuda
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, WA 98008-5452

SUBJECT: REQUEST FOR CONTAINED-IN DETERMINATION
Plastic Sales & Service Site
6870 Woodlawn Avenue Northeast
Seattle, Washington 98115
Project Number: 0651-002-02

Dear Mr. Yasuda:

On behalf of The Lutheran Retirement Home of Greater Seattle dba The Hearthstone (Hearthstone), SoundEarth Strategies, Inc. (SouthEarth) has prepared this request for a Contained-In Determination (CID) from the Washington State Department of Ecology (Ecology) for the property at 6870 Woodlawn Avenue Northeast, Seattle, Washington (the Property; Figure 1). Hearthstone installed 19 electrodes and four temperature probes in the subsurface soil at the Property as part of the electrical resistance heating (ERH) system to treat soil containing tetrachloroethene (PCE). In addition, soil was excavated in the Woodlawn Avenue Northeast right-of-way (ROW) for electrical conduits. A detailed description of the ERH system is presented in the Engineering Design Report prepared by SoundEarth and dated May 9, 2016.

A total of 47 drums of soil were generated from the installation of the electrodes and temperature probes. Of the 47 drums, 17 contain concentrations of PCE less or equal to 14 milligrams per kilogram (mg/kg) and/or less than the Toxicity Characteristic Leaching Procedure (TCLP) regulatory threshold of 0.7 milligrams per liter (mg/L) PCE. We estimate the 17 drums contain 10 to 15 tons of soil. Of the 17 drums, 3 contain concentrations of PCE that exceed 14 mg/kg; however, TCLP results for those samples were less than 0.7 mg/L. Approximately 5 to 10 tons of soil were excavated from the ROW and stockpiled at the Property. Concentrations of PCE in the soil stockpile samples were less than 1 mg/kg PCE. Based on these results, Hearthstone is requesting to remove and dispose of the soil in 17 drums and soil stockpiles as F002 listed waste at Subtitle D Landfill under a CID from Ecology.

Table 1 provides summary analytical results for soil samples collected from the 47 drums and ROW soil stockpiles. The 17 soil drum samples and soil stockpile samples containing PCE concentrations less than 14 mg/kg and/or less than the TCLP regulatory threshold the 0.7 mg/L PCE are highlighted in yellow. Figure 2 provides the location of each electrode and associated soil drum. Laboratory analytical results are presented in Attachment A.

If you have questions or need additional information, please contact the undersigned.

Respectfully,

SoundEarth Strategies, Inc.

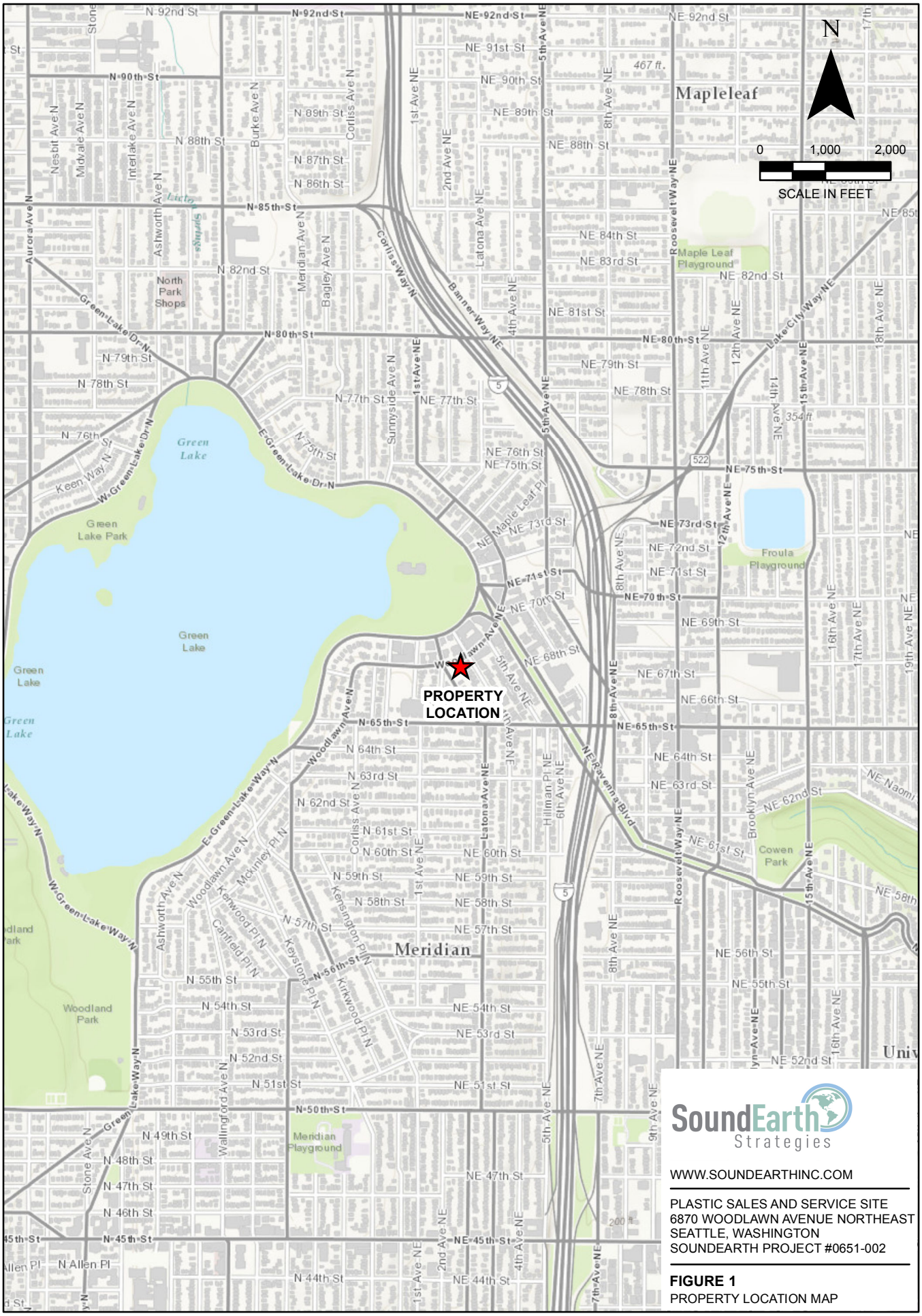
Tom Cammarata, LG, LHG

Attachments:

Figure 1, Property Location Map
Figure 2, TRS Group, Inc. Figure Showing Electrode Locations and Associated Drums
Table 1, Summary of Soil Analytical Results for Drums and Soil Stockpile
Attachment A, Laboratory Analytical Reports
OnSite Environmental, Inc. #1609-302
OnSite Environmental, Inc. #1609-302B
OnSite Environmental, Inc. #1609-313
OnSite Environmental, Inc. #1609-313B
OnSite Environmental, Inc. #1609-336
OnSite Environmental, Inc. #1609-337
OnSite Environmental, Inc. #1609-364
OnSite Environmental, Inc. #1609-377
OnSite Environmental, Inc. #1609-393
OnSite Environmental, Inc. #1609-393B

TJC/dnm

FIGURES

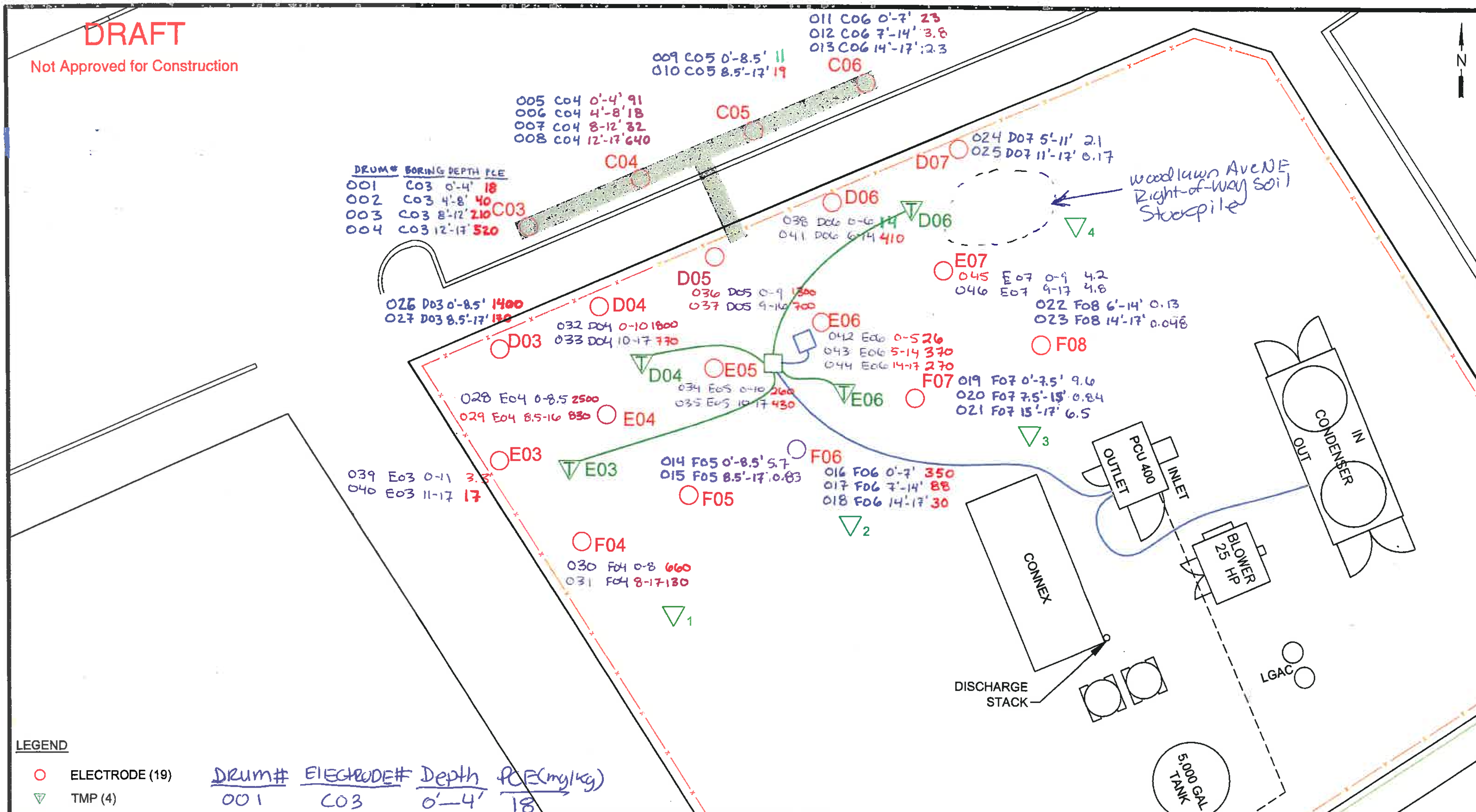


SoundEarth Strategies

WWW.SOUNDEARTHINC.COM

PLASTIC SALES AND SERVICE SITE
6870 WOODLAWN AVENUE NORTHEAST
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0651-002

FIGURE 1
PROPERTY LOCATION MAP



ENGINEER SIGNATURE / DATE

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

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DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	PENDING APPROVAL
PROJECT MANAGER	J. LILLIE
QSAT REVIEW	XX/XX/16
SITE	WOODLAWN PLASTICS
LOCATION	SEATTLE, WASHINGTON
CLIENT	THE HEARTHSTONE

TEMPERATURE DETECTOR AND COMMUNICATION WIRING PLAN

APPROVED FOR CONSTRUCTION

BY ____________

DATE ____________

DATE	04/27/16
PROJECT	GRL69
SHEET	Figure 2

TABLE

Table 1
Summary of Soil Analytical Results for Drums and Soil Stockpile
Plastic Sales and Service Site
6870 Woodlawn Avenue Northeast
Seattle, Washington

Well/Boring ID	Feet bgs	Sample ID	Sampled By	Date Sampled	Analytical Results[1] (milligrams per kilogram)					TCLP Analytical Results[2] (milligrams per liter)		
					Tetrachloroethene	Trichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride
C03	**0–4**	DRUM001-20160922	SoundEarth	09/22/16	18[2]	0.41	0.20	<0.025	0.061	0.490	0.0086	<0.0020
C03	**4–8**	DRUM002-20160922	SoundEarth	09/22/16	40	1.5	0.70	<0.025	0.29	-	-	-
C03	**8–12**	DRUM003-20160922	SoundEarth	09/22/16	210	0.83	<0.29	<0.025	0.19	-	-	-
C03	**12–17**	DRUM004-20160922	SoundEarth	09/22/16	520	1.1	0.16	<0.025	0.050	-	-	-
C04	**0–4**	DRUM005-20160923	SoundEarth	09/23/16	91	1.6	0.75	<0.62	<0.62	-	-	-
C04	**4–8**	DRUM006-20160923	SoundEarth	09/23/16	18	6.7	3.5	<0.13	0.41	-	-	-
C04	**8–12**	DRUM007-20160923	SoundEarth	09/23/16	32	3.2	1.9	<0.14	0.22	-	-	-
C04	**12–17**	DRUM008-20160923	SoundEarth	09/23/16	640	8.9	1.8	<1.2	<1.2	-	-	-
C05	**0–8.5**	DRUM009-20160923	SoundEarth	09/23/16	11	0.19	<0.076	<0.076	<0.076	0.190	0.0028	<0.0020
C05	**8.5–17**	DRUM010-20160923	SoundEarth	09/23/16	19	0.28	<0.069	<0.069	<0.069	-	-	-
C06	**0–7**	DRUM011-20160923	SoundEarth	09/23/16	23	0.23	<0.064	<0.064	<0.064	-	-	-
C06	**7–14**	DRUM012-20160923	SoundEarth	09/23/16	3.8	<0.025	<0.025	<0.025	<0.025	-	-	-
C06	**14–17**	DRUM013-20160923	SoundEarth	09/23/16	2.3	<0.025	<0.025	<0.025	<0.025	-	-	-
F05	**0–8.5**	DRUM014-20160923	SoundEarth	09/23/16	5.7	0.45	0.093	<0.060	<0.060	-	-	-
F05	**8.5–17**	DRUM015-20160923	SoundEarth	09/23/16	0.83	0.11	<0.063	<0.063	<0.063	-	-	-
F06	**0–7**	DRUM016-20160923	SoundEarth	09/23/16	350	<1.3	<1.3	<1.3	<1.3	-	-	-
F06	**7–14**	DRUM017-20160923	SoundEarth	09/23/16	88	0.92	<0.62	<0.62	<0.62	-	-	-
F06	**14–17**	DRUM018-20160923	SoundEarth	09/23/16	30	0.44	<0.27	<0.27	<0.27	-	-	-
F07	**0–7.5**	DRUM019-20160926	SoundEarth	09/26/16	9.6	0.33	<0.062	<0.062	<0.062	-	-	-
F07	**7.5–15**	DRUM020-20160926	SoundEarth	09/26/16	0.84	<0.025	<0.025	<0.025	<0.025	-	-	-
F07	**15–17**	DRUM021-20160926	SoundEarth	09/26/16	6.5	0.10	<0.063	<0.063	<0.063	-	-	-
F08	**6–14**	DRUM022-20160926	SoundEarth	09/26/16	0.13	<0.025	<0.025	<0.025	<0.025	-	-	-
F08/D07	**14–17/0–5**	DRUM023-20160926	SoundEarth	09/26/16	0.048	<0.025	<0.025	<0.025	<0.025	-	-	-
D07	**5–11**	DRUM024-20160926	SoundEarth	09/26/16	2.1	<0.025	<0.025	<0.025	<0.025	-	-	-
D07	**11–17**	DRUM025-20160926	SoundEarth	09/26/16	0.17	<0.025	<0.025	<0.025	<0.025	-	-	-
D03	**0–8.5**	DRUM026-20160926	SoundEarth	09/26/16	1,400	<13	<13	<13	<13	-	-	-
D03	**8.5–17**	DRUM027-20160926	SoundEarth	09/26/16	170	<2.7	<2.7	<2.7	<2.7	-	-	-
E04	**0–8.5**	DRUM028-20160927	SoundEarth	09/27/16	2,500	<0.81	<0.81	<0.81	<0.81	-	-	-
E04	**8.5–16**	DRUM029-20160927	SoundEarth	09/27/16	830	<0.87	<0.87	<0.87	<0.87	-	-	-
E04/F04	**16–17/0–8**	DRUM030-20160927	SoundEarth	09/27/16	660	<0.79	<0.79	<0.79	<0.79	-	-	-
F04	**8–17**	DRUM031-20160927	SoundEarth	09/27/16	130	<0.76	<0.76	<0.76	<0.76	-	-	-
D04	**0–10**	DRUM032-20160927	SoundEarth	09/27/16	1,800	<0.78	<0.78	<0.78	<0.78	-	-	-
D04	**10–17**	DRUM033-20160927	SoundEarth	09/27/16	770	0.83	<0.80	<0.80	<0.80	-	-	-
E05	**0–10**	DRUM034-20160927	SoundEarth	09/27/16	260	<0.82	<0.82	<0.82	<0.82	-	-	-
E05	**10–17**	DRUM035-20160927	SoundEarth	09/27/16	430	<0.79	<0.79	<0.79	<0.79	-	-	-
D05	**0–9**	DRUM036-20160927	SoundEarth	09/27/16	1,300	<0.85	<0.85	<0.85	<0.85	-	-	-
D05	**0–16**	DRUM037-20160927	SoundEarth	09/27/16	700	<0.77	<0.77	<0.77	<0.77	-	-	-
D05/D06	**16–17/0–6**	DRUM038-20160929	SoundEarth	09/29/16	14	<0.049	<0.049	<0.049	<0.073	0.130	<0.0020	<0.0020
E03	**0–11**	DRUM039-20160929	SoundEarth	09/29/16	3.3	0.16	0.085	<0.039	<0.058	-	-	-
Toxicity Characteristic (20x rule for soil)					**14**	**10**	**NE**	**NE**	**4**	**NA**	**NA**	**NA**
Toxicity Characteristic TCLP Regulatory Threshhold										**0.7**	**0.5**	**0.2**

Table 1
Summary of Soil Analytical Results for Drums and Soil Stockpile
Plastic Sales and Service Site
6870 Woodlawn Avenue Northeast
Seattle, Washington

Well/Boring ID	Feet bgs	Sample ID	Sampled By	Date Sampled	Analytical Results[1] (milligrams per kilogram)					TCLP Analytical Results[2] (milligrams per liter)		
					Tetrachloroethene	Trichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride
E03	**11–17**	DRUM040-20160929	SoundEarth	09/29/16	17	0.013	0.0049	<0.025	<0.025	-	-	-
D06	**6–14**	DRUM041-20160928	SoundEarth	09/28/16	410	<0.82	<0.82	<0.82	<0.82	-	-	-
D06/E06	**14–17/0–5**	DRUM042-20160929	SoundEarth	09/29/16	26	<0.048	<0.048	<0.048	<0.072	-	-	-
E06	**5–14**	DRUM043-20160928	SoundEarth	09/28/16	370	<0.89	<0.89	<0.89	<0.89	-	-	-
E06	**14–17**	DRUM044-20160928	SoundEarth	09/28/16	270	<0.91	<0.91	<0.91	<0.91	-	-	-
E07/F08	**0–9/0–6**	DRUM045-20160929	SoundEarth	09/29/16	4.2	<0.039	<0.039	<0.039	<0.058	-	-	-
E07	**9–17**	DRUM046-20160929	SoundEarth	09/29/16	4.8	<0.045	<0.045	<0.045	<0.067	-	-	-
E, D, C row	**1**	DRUM047-20160929	SoundEarth	09/29/16	18	0.043	<0.034	<0.034	<0.052	-	-	-
NA	**NA**	Trench SP01	SoundEarth	09/26/16	0.16	<0.025	<0.025	<0.025	<0.025	-	-	-
NA	**NA**	Trench SP02	SoundEarth	09/26/16	0.43	0.034	<0.025	<0.025	<0.025	-	-	-
NA	**NA**	Trench SP03	SoundEarth	09/26/16	0.67	<0.025	<0.025	<0.025	<0.025	-	-	-
Toxicity Characteristic (20x rule for soil)					**14**	**10**	**NE**	**NE**	**4**	**NA**	**NA**	**NA**
Toxicity Characteristic TCLP Regulatory Threshhold										**0.7**	**0.5**	**0.2**

NOTES:

Samples analyzed by OnSite Environmental, Inc. in Redmond, Washington.

[1]Samples analyzed by EPA Method 8260C.

[2]Samples analyzed for TCLP by EPA Method 1131/8260C and is below Toxicty Characteristic.

Yellow denotes soil drums containing PCE concentrations less or equal to 14 mg/kg and/or TCLP concentration less than 0.7 mg/L

-- = not analyzed

< = not detected at a concentration exceeding the laboratory reporting limit

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

NA = not applicable

NE = not established

PCE = tetrachloroethene

SoundEarth = SoundEarth Strategies, Inc.

TCLP = Toxicity Characteristic Leaching Procedure

ATTACHMENT A
LABORATORY ANALYTICAL REPORTS

OnSite Environmental, Inc. #1609-302

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

October 4, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-302

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 23, 2016.

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: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

Case Narrative

Samples were collected on September 22, 2016 and received by the laboratory on September 23, 2016. 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.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM001-20160922**					
Laboratory ID:	09-302-01					
Vinyl Chloride	0.061	0.025	EPA 8260C	9-23-16	9-23-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
(cis) 1,2-Dichloroethene	0.20	0.025	EPA 8260C	9-23-16	9-23-16	
Trichloroethene	0.41	0.13	EPA 8260C	9-26-16	9-26-16	
Tetrachloroethene	18	0.64	EPA 8260C	9-26-16	9-26-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*76-131*				
Toluene-d8	*110*	*80-126*				
4-Bromofluorobenzene	*90*	*60-146*				

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM002-20160922**					
Laboratory ID:	09-302-02					
Vinyl Chloride	0.29	0.025	EPA 8260C	9-23-16	9-23-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
(cis) 1,2-Dichloroethene	0.70	0.63	EPA 8260C	9-26-16	9-26-16	
Trichloroethene	1.5	0.63	EPA 8260C	9-26-16	9-26-16	
Tetrachloroethene	40	3.1	EPA 8260C	9-26-16	9-26-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*76-131*				
Toluene-d8	*113*	*80-126*				
4-Bromofluorobenzene	*95*	*60-146*				

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM003-20160922**					
Laboratory ID:	09-302-03					
Vinyl Chloride	0.19	0.025	EPA 8260C	9-23-16	9-23-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
(cis) 1,2-Dichloroethene	ND	0.29	EPA 8260C	9-26-16	9-26-16	
Trichloroethene	0.83	0.29	EPA 8260C	9-26-16	9-26-16	
Tetrachloroethene	210	5.8	EPA 8260C	9-26-16	9-26-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*76-131*				
Toluene-d8	*111*	*80-126*				
4-Bromofluorobenzene	*98*	*60-146*				

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM004-20160922**					
Laboratory ID:	09-302-04					
Vinyl Chloride	0.050	0.025	EPA 8260C	9-23-16	9-23-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
(cis) 1,2-Dichloroethene	0.16	0.025	EPA 8260C	9-23-16	9-23-16	
Trichloroethene	1.1	0.10	EPA 8260C	9-26-16	9-26-16	
Tetrachloroethene	520	5.5	EPA 8260C	9-26-16	9-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*76-131*				
Toluene-d8	*114*	*80-126*				
4-Bromofluorobenzene	*101*	*60-146*				

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0923S1					
Vinyl Chloride	ND	0.025	EPA 8260C	9-23-16	9-23-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
Trichloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-23-16	9-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*76-131*				
Toluene-d8	*112*	*80-126*				
4-Bromofluorobenzene	*106*	*60-146*				

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0926S1					
Vinyl Chloride	ND	0.025	EPA 8260C	9-26-16	9-26-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-26-16	9-26-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-26-16	9-26-16	
Trichloroethene	ND	0.025	EPA 8260C	9-26-16	9-26-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-26-16	9-26-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*120*	*76-131*				
Toluene-d8	*115*	*80-126*				
4-Bromofluorobenzene	*105*	*60-146*				

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES 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:	SB0923S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0527**	**0.0562**	0.0500	0.0500	105	112	68-126	6	15	
Benzene	**0.0503**	**0.0519**	0.0500	0.0500	101	104	70-121	3	15	
Trichloroethene	**0.0539**	**0.0565**	0.0500	0.0500	108	113	75-120	5	15	
Toluene	**0.0533**	**0.0556**	0.0500	0.0500	107	111	80-120	4	15	
Chlorobenzene	**0.0484**	**0.0511**	0.0500	0.0500	97	102	76-120	5	15	
Surrogate:										
Dibromofluoromethane					*106*	*108*	*76-131*			
Toluene-d8					*108*	*107*	*80-126*			
4-Bromofluorobenzene					*99*	*102*	*60-146*			

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

VOLATILES 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:	SB0926S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0554**	**0.0559**	0.0500	0.0500	111	112	68-126	1	15	
Benzene	**0.0524**	**0.0530**	0.0500	0.0500	105	106	70-121	1	15	
Trichloroethene	**0.0541**	**0.0562**	0.0500	0.0500	108	112	75-120	4	15	
Toluene	**0.0530**	**0.0548**	0.0500	0.0500	106	110	80-120	3	15	
Chlorobenzene	**0.0463**	**0.0490**	0.0500	0.0500	93	98	76-120	6	15	
Surrogate:										
Dibromofluoromethane					*117*	*115*	*76-131*			
Toluene-d8					*109*	*109*	*80-126*			
4-Bromofluorobenzene					*99*	*100*	*60-146*			

Date of Report: October 4, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302
Project: 0651-002

% MOISTURE

Date Analyzed: 9-23-16

Client ID	Lab ID	% Moisture
DRUM001-20160922	09-302-01	18
DRUM002-20160922	09-302-02	46
DRUM003-20160922	09-302-03	14
DRUM004-20160922	09-302-04	12

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-napthalene) 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 method 8260C, 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: SoundEarth Strategies, Inc.
Project Number: 06051-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumberg
Sampled by: Logan Schumacher

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 09-302

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	PCE, TCE, cis- and trans-DCE, and VC by 8260C					% Moisture
1	DRUM001-20160922	9/22/16	1340	Soil	4																	X					
2	DRUM002-20160922	↓	1350	↓	↓																	X					
3	DRUM003-20160922	↓	1400	↓	↓																	X					
4	DRUM004-20160922	↓	1520	↓	↓																	X					

LAS 9/22/16

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	(Logan Schumacher)	SoundEarth	9/22/16	1630	Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans- DCE, and VC.
Received		ALPHA	9/23	9:18 AM	
Relinquished		ALPHA	9/23	11:35 AM	
Received		ORE	9/23/16	1135	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental, Inc. #1609-302B

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

October 10, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-302B

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 23, 2016.

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: October 10, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302B
Project: 0651-002

Case Narrative

Samples were collected on September 22, 2016 and received by the laboratory on September 23, 2016. 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: October 10, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C

Matrix: TCLP Extract
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM001-20160922**					
Laboratory ID:	09-302-01					
Vinyl Chloride	ND	2.0	EPA 8260C	10-5-16	10-6-16	
Trichloroethene	8.6	2.0	EPA 8260C	10-5-16	10-6-16	
Tetrachloroethene	490	2.0	EPA 8260C	10-5-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*71-131*				
Toluene-d8	*105*	*80-127*				
4-Bromofluorobenzene	*89*	*80-125*				

Date of Report: October 10, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C
METHOD BLANK QUALITY CONTROL

Matrix: TCLP Extract
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1005T1					
Vinyl Chloride	ND	2.0	EPA 8260C	10-5-16	10-6-16	
Trichloroethene	ND	2.0	EPA 8260C	10-5-16	10-6-16	
Tetrachloroethene	ND	2.0	EPA 8260C	10-5-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*71-131*				
Toluene-d8	*110*	*80-127*				
4-Bromofluorobenzene	*93*	*80-125*				

Date of Report: October 10, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-302B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C
SB/SBD QUALITY CONTROL

Matrix: TCLP Extract
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1006T1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**7.42**	**6.95**	10.0	10.0	74	70	62-132	7	20	
Benzene	**10.5**	**10.0**	10.0	10.0	105	100	75-121	5	15	
Trichloroethene	**9.08**	**8.82**	10.0	10.0	91	88	65-115	3	15	
Toluene	**10.5**	**10.5**	10.0	10.0	105	105	78-120	0	15	
Chlorobenzene	**9.89**	**9.40**	10.0	10.0	99	94	77-118	5	15	
Surrogate:										
Dibromofluoromethane					*108*	*111*	*71-131*			
Toluene-d8					*108*	*110*	*80-127*			
4-Bromofluorobenzene					*93*	*86*	*80-125*			

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-napthalene) 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 method 8260C, 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: SoundEarth Strategies, Inc.
Project Number: 06051-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammaratta, Courtney Schaumburg
Sampled by: Logan Schumacher

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 09-302

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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~~ VOCs - PCE, TCE, VC only	HEM (oil and grease) 1664A	PCE, TCE, cis- and trans-DCE, and VC by 8260C					% Moisture
1	DRUM001-20160922	9/22/16	1340	Soil	4															X		X					9
2	DRUM002-20160922	↓	1350	↓	↓																	X					
3	DRUM003-20160922		1400																			X					
4	DRUM004-20160922		1520																			X					

LAS 9/22/16

	Signature	Company	Date	Time
Relinquished	(Logan Schumacher)	SoundEarth	9/22/16	1630
Received		ALPHA	9/23	9:18 AM
Relinquished		ALPHA	9/23	11:35 AM
Received			9/23/16	1135
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans- DCE, and VC.
(X) Added 10/5/16. DB (STA)

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental, Inc. #1609-313

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

October 5, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-313

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 23, 2016.

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: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

Case Narrative

Samples were collected on September 23, 2016 and received by the laboratory on September 23, 2016. 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.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM005-20160923**					
Laboratory ID:	09-313-01					
Vinyl Chloride	ND	0.62	EPA 8260C	9-29-16	10-1-16	
(trans) 1,2-Dichloroethene	ND	0.62	EPA 8260C	9-29-16	10-1-16	
(cis) 1,2-Dichloroethene	0.75	0.62	EPA 8260C	9-29-16	10-1-16	
Trichloroethene	1.6	0.62	EPA 8260C	9-29-16	10-1-16	
Tetrachloroethene	91	0.62	EPA 8260C	9-29-16	10-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*105*	*80-126*				
4-Bromofluorobenzene	*105*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM006-20160923**					
Laboratory ID:	09-313-02					
Vinyl Chloride	0.41	0.13	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.13	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	3.5	0.13	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	6.7	0.13	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	18	0.13	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*76-131*				
Toluene-d8	*111*	*80-126*				
4-Bromofluorobenzene	*112*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM007-20160923**					
Laboratory ID:	09-313-03					
Vinyl Chloride	0.22	0.14	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.14	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	1.9	0.14	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	3.2	0.14	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	32	0.14	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*76-131*				
Toluene-d8	*107*	*80-126*				
4-Bromofluorobenzene	*106*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM008-20160923**					
Laboratory ID:	09-313-04					
Vinyl Chloride	ND	1.2	EPA 8260C	9-29-16	9-29-16	
(trans) 1,2-Dichloroethene	ND	1.2	EPA 8260C	9-29-16	9-29-16	
(cis) 1,2-Dichloroethene	1.8	1.2	EPA 8260C	9-29-16	9-29-16	
Trichloroethene	8.9	1.2	EPA 8260C	9-29-16	9-29-16	
Tetrachloroethene	640	5.9	EPA 8260C	9-29-16	10-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*108*	*80-126*				
4-Bromofluorobenzene	*107*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM009-20160923**					
Laboratory ID:	09-313-05					
Vinyl Chloride	ND	0.076	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.076	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.076	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	0.19	0.076	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	11	0.076	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*76-131*				
Toluene-d8	*114*	*80-126*				
4-Bromofluorobenzene	*110*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM010-20160923**					
Laboratory ID:	09-313-06					
Vinyl Chloride	ND	0.069	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.069	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.069	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	0.28	0.069	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	19	0.34	EPA 8260C	9-29-16	10-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*76-131*				
Toluene-d8	*108*	*80-126*				
4-Bromofluorobenzene	*107*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM011-20160923**					
Laboratory ID:	09-313-07					
Vinyl Chloride	ND	0.064	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.064	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.064	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	0.23	0.064	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	23	0.32	EPA 8260C	9-29-16	10-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*76-131*				
Toluene-d8	*109*	*80-126*				
4-Bromofluorobenzene	*105*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM012-20160923**					
Laboratory ID:	09-313-08					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	3.8	0.070	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*76-131*				
Toluene-d8	*117*	*80-126*				
4-Bromofluorobenzene	*100*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM013-20160923**					
Laboratory ID:	09-313-09					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	2.3	0.066	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*120*	*76-131*				
Toluene-d8	*118*	*80-126*				
4-Bromofluorobenzene	*99*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM014-20160923**					
Laboratory ID:	09-313-10					
Vinyl Chloride	ND	0.060	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.060	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	0.093	0.060	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	0.45	0.060	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	5.7	0.060	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*76-131*				
Toluene-d8	*107*	*80-126*				
4-Bromofluorobenzene	*107*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM015-20160923**					
Laboratory ID:	09-313-11					
Vinyl Chloride	ND	0.063	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.063	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.063	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	0.11	0.063	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	0.83	0.063	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*76-131*				
Toluene-d8	*114*	*80-126*				
4-Bromofluorobenzene	*111*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM016-20160923**					
Laboratory ID:	09-313-12					
Vinyl Chloride	ND	1.3	EPA 8260C	9-29-16	9-29-16	
(trans) 1,2-Dichloroethene	ND	1.3	EPA 8260C	9-29-16	9-29-16	
(cis) 1,2-Dichloroethene	ND	1.3	EPA 8260C	9-29-16	9-29-16	
Trichloroethene	ND	1.3	EPA 8260C	9-29-16	9-29-16	
Tetrachloroethene	350	6.9	EPA 8260C	9-29-16	10-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*109*	*80-126*				
4-Bromofluorobenzene	*105*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM017-20160923**					
Laboratory ID:	09-313-13					
Vinyl Chloride	ND	0.62	EPA 8260C	9-29-16	10-1-16	
(trans) 1,2-Dichloroethene	ND	0.62	EPA 8260C	9-29-16	10-1-16	
(cis) 1,2-Dichloroethene	ND	0.62	EPA 8260C	9-29-16	10-1-16	
Trichloroethene	0.92	0.62	EPA 8260C	9-29-16	10-1-16	
Tetrachloroethene	88	0.62	EPA 8260C	9-29-16	10-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*104*	*80-126*				
4-Bromofluorobenzene	*104*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM018-20160923**					
Laboratory ID:	09-313-14					
Vinyl Chloride	ND	0.27	EPA 8260C	9-29-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.27	EPA 8260C	9-29-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.27	EPA 8260C	9-29-16	9-30-16	
Trichloroethene	0.44	0.27	EPA 8260C	9-29-16	9-30-16	
Tetrachloroethene	30	0.27	EPA 8260C	9-29-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*76-131*				
Toluene-d8	*107*	*80-126*				
4-Bromofluorobenzene	*108*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0929S2					
Vinyl Chloride	ND	0.025	EPA 8260C	9-29-16	9-29-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Trichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*114*	*76-131*				
Toluene-d8	*119*	*80-126*				
4-Bromofluorobenzene	*115*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0930S2					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*76-131*				
Toluene-d8	*118*	*80-126*				
4-Bromofluorobenzene	*117*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES 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:	SB0929S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0513**	**0.0499**	0.0500	0.0500	103	100	68-126	3	15	
Benzene	**0.0516**	**0.0532**	0.0500	0.0500	103	106	70-121	3	15	
Trichloroethene	**0.0516**	**0.0497**	0.0500	0.0500	103	99	75-120	4	15	
Toluene	**0.0517**	**0.0520**	0.0500	0.0500	103	104	80-120	1	15	
Chlorobenzene	**0.0507**	**0.0502**	0.0500	0.0500	101	100	76-120	1	15	
Surrogate:										
Dibromofluoromethane					*100*	*102*	*76-131*			
Toluene-d8					*107*	*105*	*80-126*			
4-Bromofluorobenzene					*105*	*104*	*60-146*			

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

VOLATILES 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:	SB0930S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0441**	**0.0439**	0.0500	0.0500	88	88	68-126	0	15	
Benzene	**0.0470**	**0.0480**	0.0500	0.0500	94	96	70-121	2	15	
Trichloroethene	**0.0494**	**0.0474**	0.0500	0.0500	99	95	75-120	4	15	
Toluene	**0.0503**	**0.0489**	0.0500	0.0500	101	98	80-120	3	15	
Chlorobenzene	**0.0475**	**0.0486**	0.0500	0.0500	95	97	76-120	2	15	
Surrogate:										
Dibromofluoromethane					*103*	*101*	*76-131*			
Toluene-d8					*109*	*107*	*80-126*			
4-Bromofluorobenzene					*106*	*107*	*60-146*			

Date of Report: October 5, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313
Project: 0651-002

% MOISTURE

Date Analyzed: 9-30&10-4-16

Client ID	Lab ID	% Moisture
DRUM005-20160923	09-313-01	16
DRUM006-20160923	09-313-02	16
DRUM007-20160923	09-313-03	14
DRUM008-20160923	09-313-04	14
DRUM009-20160923	09-313-05	21
DRUM010-20160923	09-313-06	17
DRUM011-20160923	09-313-07	17
DRUM012-20160923	09-313-08	17
DRUM013-20160923	09-313-09	16
DRUM014-20160923	09-313-10	16
DRUM015-20160923	09-313-11	19
DRUM016-20160923	09-313-12	17
DRUM017-20160923	09-313-13	16
DRUM018-20160923	09-313-14	12

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-napthalene) 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 method 8260C, 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 2

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

Laboratory Number: 09-313

Company: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastics Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumberg
Sampled by: Logan Schumacher

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days) (TPH analysis 5 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	PCE, TCE, cis + trans-DCE and VC by 8260C				% Moisture
1	DRUM005-20160923	9/23/16	0800	Soil	4																		X				X
2	DRUM006-20160923		0810																				X				
3	DRUM007-20160923		0820																				X				
4	DRUM008-20160923		0900																				X				
5	DRUM009-20160923		0935																				X				
6	DRUM010-20160923		0945																				X				
7	DRUM011-20160923		1105																				X				
8	DRUM012-20160923		1115																				X				
9	DRUM013-20160923		1250																				X				
10	DRUM014-20160923		1335																				X				

	Signature	Company	Date	Time
Relinquished	Logan Schumacher	SES	9/23/16	1525
Received		Alpha Courier	9/23/16	1525
Relinquished		Alpha Courier	9/23/16	16:45
Received		OSE	9/23/16	1645
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Detection limit of 0.025 mg/kg for PCE, TCE, cis and trans-DCE, and VC.

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

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: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastics Subs 3 Service
Project Manager: Tom Camnarata, Courtney Schaumberg
Sampled by: Logan Schumacher

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☑ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 09-313

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	DRUM015-20160923	9/23/16	1345	Soil	4
12	DRUM016-20160923		1450		
13	DRUM017-20160923		1500		
14	DRUM018-20160923		1520		

LAS 9/23/16

Lab ID	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	PCE, TCE, cis+trans-DCE, and VC by 8260C				% Moisture
11																		X				
12																		X				
13																		X				
14																		X				

	Signature	Company	Date	Time
Relinquished	Logan Schumacher	SoundEarth	9/23/16	1525
Received		Alpha Courier	9/23/16	1525
Relinquished		Alpha Courier	9/23/16	1645
Received		OSE	9/23/16	1645
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Detection limit of 0.025 mg/kg for PCE, TCE, cis and trans-DCE and VC.

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

OnSite Environmental, Inc. #1609-313B

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

October 12, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-313B

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 23, 2016.

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: October 12, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313B
Project: 0651-002

Case Narrative

Samples were collected on September 23, 2016 and received by the laboratory on September 23, 2016. 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: October 12, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C

Matrix: TCLP Extract
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM009-20160923**					
Laboratory ID:	09-313-05					
Vinyl Chloride	ND	2.0	EPA 8260C	10-6-16	10-7-16	
Trichloroethene	2.8	2.0	EPA 8260C	10-6-16	10-7-16	
Tetrachloroethene	190	2.0	EPA 8260C	10-6-16	10-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*71-131*				
Toluene-d8	*105*	*80-127*				
4-Bromofluorobenzene	*112*	*80-125*				

Date of Report: October 12, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C
METHOD BLANK QUALITY CONTROL

Matrix: TCLP Extract
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1006T2					
Vinyl Chloride	ND	2.0	EPA 8260C	10-6-16	10-7-16	
Trichloroethene	ND	2.0	EPA 8260C	10-6-16	10-7-16	
Tetrachloroethene	ND	2.0	EPA 8260C	10-6-16	10-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*71-131*				
Toluene-d8	*105*	*80-127*				
4-Bromofluorobenzene	*116*	*80-125*				

Date of Report: October 12, 2016
Samples Submitted: September 23, 2016
Laboratory Reference: 1609-313B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C
SB/SBD QUALITY CONTROL

Matrix: TCLP Extract
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1007T1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.4**	**10.1**	10.0	10.0	104	101	62-132	3	20	
Benzene	**9.41**	**9.24**	10.0	10.0	94	92	75-121	2	15	
Trichloroethene	**8.15**	**7.89**	10.0	10.0	82	79	65-115	3	15	
Toluene	**9.43**	**9.30**	10.0	10.0	94	93	78-120	1	15	
Chlorobenzene	**8.17**	**8.28**	10.0	10.0	82	83	77-118	1	15	
Surrogate:										
Dibromofluoromethane					*96*	*94*	*71-131*			
Toluene-d8					*105*	*106*	*80-127*			
4-Bromofluorobenzene					*117*	*115*	*80-125*			

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-napthalene) 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 method 8260C, 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 2

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

Laboratory Number: 09-313

Company: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastics Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumberg
Sampled by: Logan Schumacher

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days) (TPH analysis 5 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~~ VOCs - PCE, TCE, VC.	HEM (oil and grease) 1664A	PCE, TCE, cis + trans-DCE and VC by 8260C				% Moisture
1	DRUM005-20160923	9/23/16	0800	Soil	4																		X				10
2	DRUM006-20160923		0810																				X				
3	DRUM007-20160923		0820																				X				
4	DRUM008-20160923		0900																				X				
5	DRUM009-20160923		0935																		X		X				
6	DRUM010-20160923		0945																				X				
7	DRUM011-20160923		1105																				X				
8	DRUM012-20160923		1115																				X				
9	DRUM013-20160923		1250																				X				
10	DRUM014-20160923		1335																				X				

	Signature	Company	Date	Time
Relinquished	Logan Schumacher	SES	9/23/16	1525
Received		Alpha Courier	9/23/16	1525
Relinquished		Alpha Courier	9/23/16	16:45
Received		SES	9/23/16	1645
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Detection limit of 0.025 mg/kg for PCE, TCE, cis and trans-DCE, and VC.
(X) Added 10/6/16. DB (STA)

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

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: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastics Subs 3 Service
Project Manager: Tom Camnarata, Courtney Schaumberg
Sampled by: Logan Schumacher

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☑ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 09-313

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	PCE, TCE, cis+trans-DCE, and VC by 8260C				% Moisture
11	DRUM015-20160923	9/23/16	1345	Soil	4																		X				
12	DRUM016-20160923	↓	1450	↓	↓																		X				
13	DRUM017-20160923		1500																				X				
14	DRUM018-20160923		1520																				X				

LAS 9/23/16

	Signature	Company	Date	Time
Relinquished	Logan Schumacher	SoundEarth	9/23/16	1525
Received		Alpha Courier	9/23/16	1525
Relinquished		Alpha Courier	9/23/16	1645
Received		CORE	9/23/16	1645
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Detection limit of 0.025 mg/kg for PCE, TCE, cis and trans-DCE and VC.

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

OnSite Environmental, Inc. #1609-336

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

September 30, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-336

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 27, 2016.

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: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

Case Narrative

Samples were collected on September 26, 2016 and received by the laboratory on September 27, 2016. 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.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	09-336-01					
Client ID:	**Trench SP01-01**					
Arsenic	**ND**	12	6010C	9-28-16	9-28-16	
Barium	**110**	3.1	6010C	9-28-16	9-28-16	
Cadmium	**ND**	0.62	6010C	9-28-16	9-28-16	
Chromium	**64**	0.62	6010C	9-28-16	9-28-16	
Lead	**18**	6.2	6010C	9-28-16	9-28-16	
Mercury	**ND**	0.31	7471B	9-27-16	9-27-16	
Selenium	**ND**	12	6010C	9-28-16	9-28-16	
Silver	**ND**	1.2	6010C	9-28-16	9-28-16	
Lab ID:	09-336-02					
Client ID:	**Trench SP01-02**					
Arsenic	**ND**	12	6010C	9-28-16	9-28-16	
Barium	**97**	2.9	6010C	9-28-16	9-28-16	
Cadmium	**ND**	0.58	6010C	9-28-16	9-28-16	
Chromium	**49**	0.58	6010C	9-28-16	9-28-16	
Lead	**14**	5.8	6010C	9-28-16	9-28-16	
Mercury	**ND**	0.29	7471B	9-27-16	9-27-16	
Selenium	**ND**	12	6010C	9-28-16	9-28-16	
Silver	**ND**	1.2	6010C	9-28-16	9-28-16	

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	09-336-03					
Client ID:	**Trench SP01-03**					
Arsenic	**ND**	13	6010C	9-28-16	9-28-16	
Barium	**110**	3.2	6010C	9-28-16	9-28-16	
Cadmium	**ND**	0.64	6010C	9-28-16	9-28-16	
Chromium	**48**	0.64	6010C	9-28-16	9-28-16	
Lead	**13**	6.4	6010C	9-28-16	9-28-16	
Mercury	**ND**	0.32	7471B	9-27-16	9-27-16	
Selenium	**ND**	13	6010C	9-28-16	9-28-16	
Silver	**ND**	1.3	6010C	9-28-16	9-28-16	

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 9-28-16
Date Analyzed: 9-28-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0928SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Barium	6010C	**ND**	2.5
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Selenium	6010C	**ND**	10
Silver	6010C	**ND**	1.0

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL

Date Extracted:	9-27-16
Date Analyzed:	9-27-16
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0927S1

Analyte	Method	Result	PQL
Mercury	7471B	**ND**	0.25

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 9-28-16
Date Analyzed: 9-28-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-318-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**36.7**	**35.7**	3	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**25.9**	**24.7**	5	0.50	
Lead	**ND**	**ND**	NA	5.0	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	1.0	

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL

Date Extracted: 9-27-16
Date Analyzed: 9-27-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-322-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 9-28-16
Date Analyzed: 9-28-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-318-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**96.2**	96	**98.7**	99	3	
Barium	100	**133**	97	**135**	98	1	
Cadmium	50.0	**47.4**	95	**48.8**	98	3	
Chromium	100	**117**	91	**121**	96	4	
Lead	250	**233**	93	**238**	95	2	
Selenium	100	**91.4**	91	**94.4**	94	3	
Silver	25.0	**20.8**	83	**21.7**	87	4	

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL

Date Extracted: 9-27-16
Date Analyzed: 9-27-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-322-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	**0.465**	93	**0.506**	101	8	

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trench SP01-01**					
Laboratory ID:	09-336-01					
Vinyl Chloride	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Trichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Tetrachloroethene	0.16	0.025	EPA 8260C	9-28-16	9-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*76-131*				
Toluene-d8	*99*	*80-126*				
4-Bromofluorobenzene	*88*	*60-146*				

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trench SP01-02**					
Laboratory ID:	09-336-02					
Vinyl Chloride	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Trichloroethene	0.034	0.025	EPA 8260C	9-28-16	9-28-16	
Tetrachloroethene	0.43	0.060	EPA 8260C	9-28-16	9-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*76-131*				
Toluene-d8	*104*	*80-126*				
4-Bromofluorobenzene	*93*	*60-146*				

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trench SP01-03**					
Laboratory ID:	09-336-03					
Vinyl Chloride	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Trichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Tetrachloroethene	0.67	0.074	EPA 8260C	9-28-16	9-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*76-131*				
Toluene-d8	*116*	*80-126*				
4-Bromofluorobenzene	*113*	*60-146*				

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0928S1					
Vinyl Chloride	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Trichloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-28-16	9-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*76-131*				
Toluene-d8	*106*	*80-126*				
4-Bromofluorobenzene	*108*	*60-146*				

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0928S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0479**	**0.0503**	0.0500	0.0500	96	101	68-126	5	15	
Benzene	**0.0508**	**0.0511**	0.0500	0.0500	102	102	70-121	1	15	
Trichloroethene	**0.0439**	**0.0468**	0.0500	0.0500	88	94	75-120	6	15	
Toluene	**0.0502**	**0.0516**	0.0500	0.0500	100	103	80-120	3	15	
Chlorobenzene	**0.0478**	**0.0492**	0.0500	0.0500	96	98	76-120	3	15	
Surrogate:										
Dibromofluoromethane					*100*	*105*	*76-131*			
Toluene-d8					*99*	*103*	*80-126*			
4-Bromofluorobenzene					*96*	*104*	*60-146*			

Date of Report: September 30, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-336
Project: 0651-002

% MOISTURE

Date Analyzed: 9-27-16

Client ID	Lab ID	% Moisture
Trench SP01-01	09-336-01	19
Trench SP01-02	09-336-02	14
Trench SP01-03	09-336-03	22

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-napthalene) 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 method 8260C, 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: 09-336

Company: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumberg
Sampled by: Logan Schumacher

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☑ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	PCE, TCE, cis- and trans-DCE, and VC by 8260C					% Moisture
1	TrenchSP01-01	9/26/16	1600	Soil	5													X RCRA-8				X					
2	TrenchSP01-02	↓	1605	↓	↓													X				X					
3	TrenchSP01-03	↓	1612	↓	↓													X				X					

10
9/26/16

	Signature	Company	Date	Time
Relinquished		SoundEarth	9/26/16	1710
Received		SoundEarth	9/26/16	1710
Relinquished		SoundEarth	9/27/16	0823
Received		GPC	9/27/16	832
Relinquished		GPC	9/27/16	1027
Received		OBE	9/27/16	1027
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans- DCE, and VC.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental, Inc. #1609-337

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

October 5, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-337

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 27, 2016.

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: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

Case Narrative

Samples were collected on September 26, 2016 and received by the laboratory on September 27, 2016. 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.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM019-20160926**					
Laboratory ID:	09-337-01					
Vinyl Chloride	ND	0.062	EPA 8260C	9-29-16	10-1-16	
(trans) 1,2-Dichloroethene	ND	0.062	EPA 8260C	9-29-16	10-1-16	
(cis) 1,2-Dichloroethene	ND	0.062	EPA 8260C	9-29-16	10-1-16	
Trichloroethene	0.33	0.062	EPA 8260C	9-29-16	10-1-16	
Tetrachloroethene	9.6	1.2	EPA 8260C	9-29-16	9-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*76-131*				
Toluene-d8	*106*	*80-126*				
4-Bromofluorobenzene	*100*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM020-20160926**					
Laboratory ID:	09-337-02					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	0.84	0.056	EPA 8260C	9-29-16	10-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*76-131*				
Toluene-d8	*103*	*80-126*				
4-Bromofluorobenzene	*97*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM021-20160926**					
Laboratory ID:	09-337-03					
Vinyl Chloride	ND	0.063	EPA 8260C	9-29-16	10-1-16	
(trans) 1,2-Dichloroethene	ND	0.063	EPA 8260C	9-29-16	10-1-16	
(cis) 1,2-Dichloroethene	ND	0.063	EPA 8260C	9-29-16	10-1-16	
Trichloroethene	0.10	0.063	EPA 8260C	9-29-16	10-1-16	
Tetrachloroethene	6.5	0.063	EPA 8260C	9-29-16	10-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*103*	*80-126*				
4-Bromofluorobenzene	*100*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM022-20160926**					
Laboratory ID:	09-337-04					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	0.13	0.025	EPA 8260C	9-30-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*76-131*				
Toluene-d8	*108*	*80-126*				
4-Bromofluorobenzene	*95*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM023-20160926**					
Laboratory ID:	09-337-05					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	0.048	0.025	EPA 8260C	9-30-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*76-131*				
Toluene-d8	*108*	*80-126*				
4-Bromofluorobenzene	*98*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM024-20160926**					
Laboratory ID:	09-337-06					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	2.1	0.062	EPA 8260C	9-29-16	10-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*76-131*				
Toluene-d8	*106*	*80-126*				
4-Bromofluorobenzene	*98*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM025-20160926**					
Laboratory ID:	09-337-07					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	0.17	0.025	EPA 8260C	9-30-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*117*	*76-131*				
Toluene-d8	*121*	*80-126*				
4-Bromofluorobenzene	*113*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM026-20160926**					
Laboratory ID:	09-337-08					
Vinyl Chloride	ND	13	EPA 8260C	9-29-16	10-1-16	
(trans) 1,2-Dichloroethene	ND	13	EPA 8260C	9-29-16	10-1-16	
(cis) 1,2-Dichloroethene	ND	13	EPA 8260C	9-29-16	10-1-16	
Trichloroethene	ND	13	EPA 8260C	9-29-16	10-1-16	
Tetrachloroethene	1400	13	EPA 8260C	9-29-16	10-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*101*	*80-126*				
4-Bromofluorobenzene	*99*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM027-20160926**					
Laboratory ID:	09-337-09					
Vinyl Chloride	ND	2.7	EPA 8260C	9-30-16	10-1-16	
(trans) 1,2-Dichloroethene	ND	2.7	EPA 8260C	9-30-16	10-1-16	
(cis) 1,2-Dichloroethene	ND	2.7	EPA 8260C	9-30-16	10-1-16	
Trichloroethene	ND	2.7	EPA 8260C	9-30-16	10-1-16	
Tetrachloroethene	170	2.7	EPA 8260C	9-30-16	10-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*76-131*				
Toluene-d8	*107*	*80-126*				
4-Bromofluorobenzene	*109*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0929S2					
Vinyl Chloride	ND	0.025	EPA 8260C	9-29-16	9-29-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Trichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*114*	*76-131*				
Toluene-d8	*119*	*80-126*				
4-Bromofluorobenzene	*115*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0929S3					
Vinyl Chloride	ND	0.025	EPA 8260C	9-29-16	9-29-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Trichloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-29-16	9-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*76-131*				
Toluene-d8	*107*	*80-126*				
4-Bromofluorobenzene	*102*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0930S2					
Vinyl Chloride	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Trichloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Tetrachloroethene	ND	0.025	EPA 8260C	9-30-16	9-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*76-131*				
Toluene-d8	*118*	*80-126*				
4-Bromofluorobenzene	*117*	*60-146*				

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES 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:	SB0929S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0467**	**0.0407**	0.0500	0.0500	93	81	68-126	14	15	
Benzene	**0.0492**	**0.0436**	0.0500	0.0500	98	87	70-121	12	15	
Trichloroethene	**0.0448**	**0.0389**	0.0500	0.0500	90	78	75-120	14	15	
Toluene	**0.0507**	**0.0441**	0.0500	0.0500	101	88	80-120	14	15	
Chlorobenzene	**0.0485**	**0.0429**	0.0500	0.0500	97	86	76-120	12	15	
Surrogate:										
Dibromofluoromethane					*98*	*102*	*76-131*			
Toluene-d8					*101*	*103*	*80-126*			
4-Bromofluorobenzene					*98*	*102*	*60-146*			

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES 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:	SB0929S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0513**	**0.0499**	0.0500	0.0500	103	100	68-126	3	15	
Benzene	**0.0516**	**0.0532**	0.0500	0.0500	103	106	70-121	3	15	
Trichloroethene	**0.0516**	**0.0497**	0.0500	0.0500	103	99	75-120	4	15	
Toluene	**0.0517**	**0.0520**	0.0500	0.0500	103	104	80-120	1	15	
Chlorobenzene	**0.0507**	**0.0502**	0.0500	0.0500	101	100	76-120	1	15	
Surrogate:										
Dibromofluoromethane					*100*	*102*	*76-131*			
Toluene-d8					*107*	*105*	*80-126*			
4-Bromofluorobenzene					*105*	*104*	*60-146*			

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

VOLATILES 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:	SB0930S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0441**	**0.0439**	0.0500	0.0500	88	88	68-126	0	15	
Benzene	**0.0470**	**0.0480**	0.0500	0.0500	94	96	70-121	2	15	
Trichloroethene	**0.0494**	**0.0474**	0.0500	0.0500	99	95	75-120	4	15	
Toluene	**0.0503**	**0.0489**	0.0500	0.0500	101	98	80-120	3	15	
Chlorobenzene	**0.0475**	**0.0486**	0.0500	0.0500	95	97	76-120	2	15	
Surrogate:										
Dibromofluoromethane					*103*	*101*	*76-131*			
Toluene-d8					*109*	*107*	*80-126*			
4-Bromofluorobenzene					*106*	*107*	*60-146*			

Date of Report: October 5, 2016
Samples Submitted: September 27, 2016
Laboratory Reference: 1609-337
Project: 0651-002

% MOISTURE

Date Analyzed: 9-28-16

Client ID	Lab ID	% Moisture
DRUM019-20160926	09-337-01	14
DRUM020-20160926	09-337-02	13
DRUM021-20160926	09-337-03	15
DRUM022-20160926	09-337-04	15
DRUM023-20160926	09-337-05	13
DRUM024-20160926	09-337-06	16
DRUM025-20160926	09-337-07	14
DRUM026-20160926	09-337-08	16
DRUM027-20160926	09-337-09	12

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-napthalene) 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 method 8260C, 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

Page 1 of 1

Company: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammaratta, Courtney Schaumberg
Sampled by: Logan Schumacher

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 09-337

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	PCE, TCE, cis- and trans-DCE, and VC by 8260C					% Moisture
1	DRUM019-20160926	9/26/16	0750	Soil	4																	X					%
2	DRUM020-20160926		0800																			X					
3	DRUM021-20160926		0950																			X					
4	DRUM022-20160926		0955																			X					
5	DRUM023-20160926		1020																			X					
6	DRUM024-20160926		1330																			X					
7	DRUM025-20160926		1340																			X					
8	DRUM026-20160926		1445																			X					
9	DRUM027-20160926		1455																			X					

	Signature	Company	Date	Time
Relinquished		SoundEarth, Inc.	9/26/16	1710
Received		SoundEarth	9/26/16	1710
Relinquished		SoundEarth	9/27/16	0823
Received		SPECD-1	9/27/16	0832
Relinquished		SPECD-1	9/27/16	1020
Received		SPECD	9/27/16	1020
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans-DCE, and VC.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental, Inc. #1609-364

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

October 6, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-364

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 28, 2016.

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: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

Case Narrative

Samples were collected on September 27, 2016 and received by the laboratory on September 28, 2016. 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.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM028-20160927**					
Laboratory ID:	09-364-01					
Vinyl Chloride	ND	0.81	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.81	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.81	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.81	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	2500	40	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*76-131*				
Toluene-d8	*102*	*80-126*				
4-Bromofluorobenzene	*107*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM029-20160927**					
Laboratory ID:	09-364-02					
Vinyl Chloride	ND	0.87	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.87	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.87	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.87	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	830	8.7	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*76-131*				
Toluene-d8	*104*	*80-126*				
4-Bromofluorobenzene	*105*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM030-20160927**					
Laboratory ID:	09-364-03					
Vinyl Chloride	ND	0.79	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.79	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.79	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.79	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	660	7.9	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*114*	*76-131*				
Toluene-d8	*104*	*80-126*				
4-Bromofluorobenzene	*106*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM031-20160927**					
Laboratory ID:	09-364-04					
Vinyl Chloride	ND	0.76	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.76	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.76	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.76	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	130	0.76	EPA 8260C	10-4-16	10-4-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*76-131*				
Toluene-d8	*104*	*80-126*				
4-Bromofluorobenzene	*105*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM032-20160927**					
Laboratory ID:	09-364-05					
Vinyl Chloride	ND	0.78	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.78	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.78	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.78	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	1800	19	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*76-131*				
Toluene-d8	*104*	*80-126*				
4-Bromofluorobenzene	*107*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM033-20160927**					
Laboratory ID:	09-364-06					
Vinyl Chloride	ND	0.80	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.80	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.80	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	0.83	0.80	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	770	8.0	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*76-131*				
Toluene-d8	*103*	*80-126*				
4-Bromofluorobenzene	*104*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM034-20160927**					
Laboratory ID:	09-364-07					
Vinyl Chloride	ND	0.82	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.82	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.82	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.82	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	260	4.1	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*76-131*				
Toluene-d8	*113*	*80-126*				
4-Bromofluorobenzene	*108*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM035-20160927**					
Laboratory ID:	09-364-08					
Vinyl Chloride	ND	0.79	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.79	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.79	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.79	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	430	3.9	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*76-131*				
Toluene-d8	*105*	*80-126*				
4-Bromofluorobenzene	*107*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM036-20160927**					
Laboratory ID:	09-364-09					
Vinyl Chloride	ND	0.85	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.85	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.85	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.85	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	1300	8.5	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*76-131*				
Toluene-d8	*103*	*80-126*				
4-Bromofluorobenzene	*104*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM037-20160927**					
Laboratory ID:	09-364-10					
Vinyl Chloride	ND	0.77	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.77	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.77	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.77	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	700	7.7	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*76-131*				
Toluene-d8	*102*	*80-126*				
4-Bromofluorobenzene	*104*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1004S3					
Vinyl Chloride	ND	0.025	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*117*	*76-131*				
Toluene-d8	*116*	*80-126*				
4-Bromofluorobenzene	*115*	*60-146*				

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

VOLATILES 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:	SB1004S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0489**	**0.0506**	0.0500	0.0500	98	101	68-126	3	15	
Benzene	**0.0568**	**0.0570**	0.0500	0.0500	114	114	70-121	0	15	
Trichloroethene	**0.0537**	**0.0545**	0.0500	0.0500	107	109	75-120	1	15	
Toluene	**0.0553**	**0.0565**	0.0500	0.0500	111	113	80-120	2	15	
Chlorobenzene	**0.0532**	**0.0523**	0.0500	0.0500	106	105	76-120	2	15	
Surrogate:										
Dibromofluoromethane					*106*	*109*	*76-131*			
Toluene-d8					*106*	*106*	*80-126*			
4-Bromofluorobenzene					*107*	*104*	*60-146*			

Date of Report: October 6, 2016
Samples Submitted: September 28, 2016
Laboratory Reference: 1609-364
Project: 0651-002

% MOISTURE

Date Analyzed: 9-30-16

Client ID	Lab ID	% Moisture
DRUM028-20160927	09-364-01	16
DRUM029-20160927	09-364-02	14
DRUM030-20160927	09-364-03	15
DRUM031-20160927	09-364-04	12
DRUM032-20160927	09-364-05	16
DRUM033-20160927	09-364-06	16
DRUM034-20160927	09-364-07	15
DRUM035-20160927	09-364-08	14
DRUM036-20160927	09-364-09	16
DRUM037-20160927	09-364-10	13

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-napthalene) 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 method 8260C, 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

OnSite Environmental Inc.

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

Chain of Custody

Page 1 of 1

Company: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumberg
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 09-364

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	PCE, TCE, cis- and trans-DCE, and VC by 8260C					% Moisture
1	DRUM028-20160927	9/27/16	0820	Soil	4																	X					10
2	DRUM029-20160927	9/27/16	0825	Soil	4																	X					
3	DRUM030-20160927	9/27/16	1020	Soil	4																	X					
4	DRUM031-20160927	9/27/16	1025	Soil	4																	X					
5	DRUM032-20160927	9/27/16	1215	Soil	4																	X					
6	DRUM033-20160927	9/27/16	1225	Soil	4																	X					
7	DRUM034-20160927	9/27/16	1310	Soil	4																	X					
8	DRUM035-20160927	9/27/16	1320	Soil	4																	X					
9	DRUM036-20160927	9/27/16	1440	Soil	4																	X					
10	DRUM037-20160927	9/27/16	1445	Soil	4																	X					

	Signature	Company	Date	Time
Relinquished		SoundEarth		
Received		SPEEDY	9/28/16	830
Relinquished		SPEEDY	9/28/16	1138
Received		ONE	9/28/16	1138
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans-DCE, and VC.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental, Inc. #1609-377

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

October 11, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-377

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 29, 2016.

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: October 11, 2016
Samples Submitted: September 29, 2016
Laboratory Reference: 1609-377
Project: 0651-002

Case Narrative

Samples were collected on September 28, 2016 and received by the laboratory on September 29, 2016. 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.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: October 11, 2016
Samples Submitted: September 29, 2016
Laboratory Reference: 1609-377
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM041-20160928**					
Laboratory ID:	09-377-04					
Vinyl Chloride	ND	0.82	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.82	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.82	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.82	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	410	4.1	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*76-131*				
Toluene-d8	*111*	*80-126*				
4-Bromofluorobenzene	*113*	*60-146*				

Date of Report: October 11, 2016
Samples Submitted: September 29, 2016
Laboratory Reference: 1609-377
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM043-20160928**					
Laboratory ID:	09-377-06					
Vinyl Chloride	ND	0.89	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.89	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.89	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.89	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	370	4.5	EPA 8260C	10-4-16	10-5-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*76-131*				
Toluene-d8	*106*	*80-126*				
4-Bromofluorobenzene	*108*	*60-146*				

Date of Report: October 11, 2016
Samples Submitted: September 29, 2016
Laboratory Reference: 1609-377
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM044-20160928**					
Laboratory ID:	09-377-07					
Vinyl Chloride	ND	0.91	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.91	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.91	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.91	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	270	4.5	EPA 8260C	10-4-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*76-131*				
Toluene-d8	*102*	*80-126*				
4-Bromofluorobenzene	*103*	*60-146*				

Date of Report: October 11, 2016
Samples Submitted: September 29, 2016
Laboratory Reference: 1609-377
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1004S3					
Vinyl Chloride	ND	0.025	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*117*	*76-131*				
Toluene-d8	*116*	*80-126*				
4-Bromofluorobenzene	*115*	*60-146*				

Date of Report: October 11, 2016
Samples Submitted: September 29, 2016
Laboratory Reference: 1609-377
Project: 0651-002

VOLATILES 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:	SB1004S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0489**	**0.0506**	0.0500	0.0500	98	101	68-126	3	15	
Benzene	**0.0568**	**0.0570**	0.0500	0.0500	114	114	70-121	0	15	
Trichloroethene	**0.0537**	**0.0545**	0.0500	0.0500	107	109	75-120	1	15	
Toluene	**0.0553**	**0.0565**	0.0500	0.0500	111	113	80-120	2	15	
Chlorobenzene	**0.0532**	**0.0523**	0.0500	0.0500	106	105	76-120	2	15	
Surrogate:										
Dibromofluoromethane					*106*	*109*	*76-131*			
Toluene-d8					*106*	*106*	*80-126*			
4-Bromofluorobenzene					*107*	*104*	*60-146*			

Date of Report: October 11, 2016
Samples Submitted: September 29, 2016
Laboratory Reference: 1609-377
Project: 0651-002

% MOISTURE

Date Analyzed: 10-3-16

Client ID	Lab ID	% Moisture
DRUM041-20160928	09-377-04	16
DRUM043-20160928	09-377-06	14
DRUM044-20160928	09-377-07	13

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-napthalene) 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 method 8260C, 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

Laboratory Number: 09-377

Company: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumberg
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	PCE, TCE, cis- and trans-DCE, and VC by 8260C	Hold				% Moisture
1	DRUM039-20160928	9/28/16	0825	Soil	4																	X	X				X
2	DRUM040-20160928		0830		4																	X	X				X
3	DRUM038-20160928		0935		4																	X	X				X
4	DRUM041-20160928		0940		4																	X					X
5	DRUM042-20160928		1100		4																	X	X				X
6	DRUM043-20160928		1105		4																	X					X
7	DRUM044-20160928		1110		4																	X					X
8	DRUM045-20160928		1210		4																	X	X				X
9	DRUM046-20160928		1215		4																	X	X				X
10	DRUM047-20160928		1355		4																	X	X				X

	Signature	Company	Date	Time
Relinquished		SoundEarth		
Received		SPEEDY	9/29/16	952
Relinquished		SPEEDY	9/29/16	1055
Received		[illegible]	9/29/16	1055
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans- DCE, and VC.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental, Inc. #1609-393

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

October 7, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-393

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 30, 2016.

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: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

Case Narrative

Samples were collected on September 29, 2016 and received by the laboratory on September 30, 2016. 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.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM047-20160929**					
Laboratory ID:	09-393-01					
Vinyl Chloride	ND	0.052	EPA 8260C	10-4-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.034	EPA 8260C	10-4-16	10-6-16	
(cis) 1,2-Dichloroethene	ND	0.034	EPA 8260C	10-4-16	10-6-16	
Trichloroethene	0.043	0.034	EPA 8260C	10-4-16	10-6-16	
Tetrachloroethene	18	0.69	EPA 8260C	10-4-16	10-4-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*76-131*				
Toluene-d8	*100*	*80-126*				
4-Bromofluorobenzene	*100*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM040-20160929**					
Laboratory ID:	09-393-02					
Vinyl Chloride	ND	0.025	EPA 8260C	10-6-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-6-16	10-6-16	
(cis) 1,2-Dichloroethene	0.0049	0.025	EPA 8260C	10-6-16	10-6-16	
Trichloroethene	0.013	0.025	EPA 8260C	10-6-16	10-6-16	
Tetrachloroethene	17	0.038	EPA 8260C	10-4-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*76-131*				
Toluene-d8	*105*	*80-126*				
4-Bromofluorobenzene	*91*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM038-20160929**					
Laboratory ID:	09-393-03					
Vinyl Chloride	ND	0.073	EPA 8260C	10-4-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.049	EPA 8260C	10-4-16	10-6-16	
(cis) 1,2-Dichloroethene	ND	0.049	EPA 8260C	10-4-16	10-6-16	
Trichloroethene	ND	0.049	EPA 8260C	10-4-16	10-6-16	
Tetrachloroethene	14	0.97	EPA 8260C	10-4-16	10-4-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*76-131*				
Toluene-d8	*100*	*80-126*				
4-Bromofluorobenzene	*98*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM046-20160929**					
Laboratory ID:	09-393-04					
Vinyl Chloride	ND	0.067	EPA 8260C	10-4-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.045	EPA 8260C	10-4-16	10-6-16	
(cis) 1,2-Dichloroethene	ND	0.045	EPA 8260C	10-4-16	10-6-16	
Trichloroethene	ND	0.045	EPA 8260C	10-4-16	10-6-16	
Tetrachloroethene	4.8	0.045	EPA 8260C	10-4-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*76-131*				
Toluene-d8	*107*	*80-126*				
4-Bromofluorobenzene	*107*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM042-20160929**					
Laboratory ID:	09-393-05					
Vinyl Chloride	ND	0.072	EPA 8260C	10-4-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.048	EPA 8260C	10-4-16	10-6-16	
(cis) 1,2-Dichloroethene	ND	0.048	EPA 8260C	10-4-16	10-6-16	
Trichloroethene	ND	0.048	EPA 8260C	10-4-16	10-6-16	
Tetrachloroethene	26	0.96	EPA 8260C	10-4-16	10-4-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*76-131*				
Toluene-d8	*106*	*80-126*				
4-Bromofluorobenzene	*103*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM045-20160929**					
Laboratory ID:	09-393-06					
Vinyl Chloride	ND	0.058	EPA 8260C	10-4-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.039	EPA 8260C	10-4-16	10-6-16	
(cis) 1,2-Dichloroethene	ND	0.039	EPA 8260C	10-4-16	10-6-16	
Trichloroethene	ND	0.039	EPA 8260C	10-4-16	10-6-16	
Tetrachloroethene	4.2	0.039	EPA 8260C	10-4-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*76-131*				
Toluene-d8	*101*	*80-126*				
4-Bromofluorobenzene	*100*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM039-20160929**					
Laboratory ID:	09-393-07					
Vinyl Chloride	ND	0.058	EPA 8260C	10-4-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.039	EPA 8260C	10-4-16	10-6-16	
(cis) 1,2-Dichloroethene	0.085	0.039	EPA 8260C	10-4-16	10-6-16	
Trichloroethene	0.16	0.039	EPA 8260C	10-4-16	10-6-16	
Tetrachloroethene	3.3	0.039	EPA 8260C	10-4-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*76-131*				
Toluene-d8	*103*	*80-126*				
4-Bromofluorobenzene	*101*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1004S2					
Vinyl Chloride	ND	0.025	EPA 8260C	10-4-16	10-4-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Trichloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Tetrachloroethene	ND	0.025	EPA 8260C	10-4-16	10-4-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*76-131*				
Toluene-d8	*108*	*80-126*				
4-Bromofluorobenzene	*105*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1006S1					
Vinyl Chloride	ND	0.025	EPA 8260C	10-6-16	10-6-16	
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-6-16	10-6-16	
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	10-6-16	10-6-16	
Trichloroethene	ND	0.025	EPA 8260C	10-6-16	10-6-16	
Tetrachloroethene	ND	0.025	EPA 8260C	10-6-16	10-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*109*	*76-131*				
Toluene-d8	*110*	*80-126*				
4-Bromofluorobenzene	*111*	*60-146*				

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES 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:	SB1004S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0357**	**0.0341**	0.0500	0.0500	71	68	68-126	5	15	
Benzene	**0.0509**	**0.0503**	0.0500	0.0500	102	101	70-121	1	15	
Trichloroethene	**0.0462**	**0.0434**	0.0500	0.0500	92	87	75-120	6	15	
Toluene	**0.0517**	**0.0508**	0.0500	0.0500	103	102	80-120	2	15	
Chlorobenzene	**0.0491**	**0.0468**	0.0500	0.0500	98	94	76-120	5	15	
Surrogate:										
Dibromofluoromethane					*102*	*100*	*76-131*			
Toluene-d8					*104*	*102*	*80-126*			
4-Bromofluorobenzene					*102*	*100*	*60-146*			

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

VOLATILES 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:	SB1006S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0402**	**0.0385**	0.0500	0.0500	80	77	68-126	4	15	
Benzene	**0.0495**	**0.0458**	0.0500	0.0500	99	92	70-121	8	15	
Trichloroethene	**0.0467**	**0.0439**	0.0500	0.0500	93	88	75-120	6	15	
Toluene	**0.0514**	**0.0473**	0.0500	0.0500	103	95	80-120	8	15	
Chlorobenzene	**0.0470**	**0.0441**	0.0500	0.0500	94	88	76-120	6	15	
Surrogate:										
Dibromofluoromethane					*102*	*102*	*76-131*			
Toluene-d8					*106*	*102*	*80-126*			
4-Bromofluorobenzene					*102*	*102*	*60-146*			

Date of Report: October 7, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393
Project: 0651-002

% MOISTURE

Date Analyzed: 10-3-16

Client ID	Lab ID	% Moisture
DRUM047-20160929	09-393-01	13
DRUM040-20160929	09-393-02	11
DRUM038-20160929	09-393-03	18
DRUM046-20160929	09-393-04	13
DRUM042-20160929	09-393-05	18
DRUM045-20160929	09-393-06	12
DRUM039-20160929	09-393-07	14

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-napthalene) 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 method 8260C, 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: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumburg
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 09-393

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	PCE, TCE, cis- and trans-DCE, and VC by 8260C						% Moisture
1	DRUM047-20160929	9/29/16	1340	Soil	4																	X						X
2	DRUM040-20160929		1355		4																	X						X
3	DRUM038-20160929		1405		4																	X						X
4	DRUM046-20160929		1420		4																	X						X
5	DRUM042-20160929		1435		4																	X						X
6	DRUM045-20160929		1445		4																	X						X
7	DRUM039-20160929		1455		4																	X						X
				GT	9/29/16																							

	Signature	Company	Date	Time
Relinquished	Clare Tait	SoundEarth	9-30-16	9:05
Received	Diane Vjalsted	SPEEDY	9-30-16	9:05A
Relinquished	Diane Vjalsted	SPEEDY	9-30-16	10100A
Received			9/30/16	1000
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans- DCE, and VC.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental, Inc. #1609-393B

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

October 17, 2016

Tom Cammarata
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: Analytical Data for Project 0651-002
Laboratory Reference No. 1609-393B

Dear Tom:

Enclosed are the analytical results and associated quality control data for samples submitted on September 30, 2016.

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: October 17, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393B
Project: 0651-002

Case Narrative

Samples were collected on September 29, 2016 and received by the laboratory on September 30, 2016. 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: October 17, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C

Matrix: TCLP Extract
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DRUM038-20160929**					
Laboratory ID:	09-393-03					
Vinyl Chloride	ND	2.0	EPA 8260C	10-12-16	10-13-16	
Trichloroethene	ND	2.0	EPA 8260C	10-12-16	10-13-16	
Tetrachloroethene	130	2.0	EPA 8260C	10-12-16	10-13-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*71-131*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*96*	*80-125*				

Date of Report: October 17, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C
METHOD BLANK QUALITY CONTROL

Matrix: TCLP Extract
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1012T1					
Vinyl Chloride	ND	2.0	EPA 8260C	10-12-16	10-13-16	
Trichloroethene	ND	2.0	EPA 8260C	10-12-16	10-13-16	
Tetrachloroethene	ND	2.0	EPA 8260C	10-12-16	10-13-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*71-131*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*80-125*				

Date of Report: October 17, 2016
Samples Submitted: September 30, 2016
Laboratory Reference: 1609-393B
Project: 0651-002

TCLP VOLATILES
EPA 1311/8260C
SB/SBD QUALITY CONTROL

Matrix: TCLP Extract
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1013T1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.56**	**9.60**	10.0	10.0	96	96	62-132	0	20	
Benzene	**9.65**	**9.75**	10.0	10.0	97	98	75-121	1	15	
Trichloroethene	**8.72**	**8.78**	10.0	10.0	87	88	65-115	1	15	
Toluene	**9.06**	**9.16**	10.0	10.0	91	92	78-120	1	15	
Chlorobenzene	**9.12**	**9.11**	10.0	10.0	91	91	77-118	0	15	
Surrogate:										
Dibromofluoromethane					*101*	*105*	*71-131*			
Toluene-d8					*99*	*100*	*80-127*			
4-Bromofluorobenzene					*95*	*98*	*80-125*			

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-napthalene) 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 method 8260C, 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
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Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 09-393

Company: SoundEarth Strategies, Inc.
Project Number: 0651-002
Project Name: Plastic Sales & Service
Project Manager: Tom Cammarata, Courtney Schaumburg
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	PCE, TCE, cis- and trans-DCE, and VC by 8260C	TCLP VOCs (PCE, TCE, VC)			% Moisture
1	DRUM047-20160929	9/29/16	1340	Soil	4																	X				X
2	DRUM040-20160929		1355		4																	X				X
3	DRUM038-20160929		1405		4																	X	(X)			X
4	DRUM046-20160929		1420		4																	X				X
5	DRUM042-20160929		1435		4																	X				X
6	DRUM045-20160929		1445		4																	X				X
7	DRUM039-20160929		1455		4																	X				X
				GT	9/29/16																					

	Signature	Company	Date	Time
Relinquished	Clam Tait	SoundEarth	9-30-16	9:05
Received	Diane Wakefield	SPEEDY	9-30-16	9:05A
Relinquished	Diane Wakefield	SPEEDY	9-30-16	0100A
Received			9/30/16	1000
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*Detection limit of 0.025 mg/kg for PCE, TCE, cis- and trans- DCE, and VC.
(X) Added 10/10/16. DB (STA)

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☐ _____