GeoEngineers

1101 South Fawcett Avenue, Suite 200
Tacoma, Washington 98402
253.383.4940

June 16, 2021

Shelter Resources, Inc.
2223 112th Avenue NE, Suite 102
Bellevue, Washington 98004

Attention: Len Brannen

Subject: Soil Sampling and Analytical Results Summary
Tacoma Smelter Plume Sampling
Redondo Heights Apartments
Federal Way, Washington
File No. 3625-004-01

INTRODUCTION AND PROJECT UNDERSTANDING

GeoEngineers is pleased to present this letter summarizing the Tacoma Smelter Plume (TSP) soil sampling activities performed at the Redondo Heights Apartments project located south of South 276th Street about 600 feet east of Pacific Highway South (HWY 99) in Federal Way, Washington. The approximate project boundaries are shown on the Vicinity Map, Figure 1. The property will be developed into multi-family housing consisting of six buildings. Ground disturbing activities are anticipated as part of construction.

The subject property is located within the footprint of the area-wide contamination from the TSP as mapped by the Washington State Department of Ecology (Ecology). Ecology's map shows where arsenic concentrations in surface/near surface soil have been predicted relative to the Ecology Model Toxics Control Act (MTCA) Method A cleanup level for unrestricted land use (ULU) of 20 milligrams per kilogram (mg/kg). This information is made available to the public through Ecology's Dirt Alert site at https://fortress.wa.gov/ecy/dirtalert/. Arsenic is reported to be between 20 mg/kg and 40 mg/kg on the subject property based on Ecology's map of estimated surface soil concentrations for arsenic. As a result, samples are required to be collected for chemical analysis to characterize the soil from 0- to 6-inches below ground surface (bgs) and 6- to 12-inches bgs and also include separate sampling of forest duff (where present) in accordance with Ecology's Tacoma Smelter Plume Model Remedy Guidance (TSPMRG) document dated July 2019.

METHODOLOGY

GeoEngineers prepared a field sampling plan for our staff including identifying sampling locations and requirements that follows Ecology's methodology identified in the TSPMRG document. One decision unit (DU1) was selected for the site based on the provided information that the entire proposed site will be

developed. The soil concentrations within a decision unit are considered elevated if the average arsenic concentration is greater than 20 mg/kg and the average lead concentration is greater than 250 mg/kg, or if any single sample has an arsenic concentration greater than 40 mg/kg and/or a lead concentration greater than 500 mg/kg based on information provided in the TSPMRG.

FIELD ACTIVITIES AND CHEMICAL ANALYTICAL RESULTS

Initial Sampling

Forty-eight soil samples were collected from 32 locations at the subject property on February 24, 2021 for chemical analysis. The soil samples were collected from 0- to 6-inches bgs at each of the 32 locations, 6- to 12-inches bgs at eight of the 32 locations and forest duff samples were collected at eight other locations. Each sample was collected using a 2-inch-diameter hand auger.

The sample locations are shown on Figure 2, Sample Location Map. The soil samples were submitted to the analytical laboratory for chemical analysis of total arsenic and lead by United States Environmental Protection Agency (EPA) Method 6010D. The analytical results are presented in Table 1 using the format identified in the TSPMRG. The analytical laboratory reports are provided in Appendix A.

Arsenic was detected at a concentration greater than the maximum concentration (40 mg/kg) allowed under the TSPMRG in one of the 48 analyzed soil samples (DU1-08-0-6 at 57 mg/kg) from the February sampling event. Additionally, arsenic was detected at concentrations greater than the MTCA Method A ULU cleanup level (20 mg/kg) in seven of the analyzed soil samples. Arsenic was detected at concentrations less than the MTCA Method A ULU cleanup level (20 mg/kg) in the remaining 40 analyzed soil samples.

Lead was either not detected or was detected at concentrations less than the maximum concentration (500 mg/kg) allowed under the TSPMRG in the analyzed soil samples. Additionally, lead was not detected at concentrations greater than the MTCA Method A ULU cleanup level (250 mg/kg) in the analyzed soil samples.

Follow-Up Sampling

A total of 17 follow-up soil samples were collected on March 12, 2021 from around the initial sample location identified as DU1-08-0-6 where arsenic was detected in soil at a concentration greater than 40 mg/kg. One follow-up soil sample (DU1-08-6-12) was collected from the 6- to 12-inch bgs interval beneath the original sample location. Sixteen additional follow-up samples were collected from 0- to 6-inch bgs and 6- to 12-inch bgs in two grids as listed below.

- First Grid. Eight soil samples were collected from four locations approximately 10 feet out laterally in four directions from the original sample location (DU1-08-0-6) at depths of 0- to 6-inches bgs and 6- to 12-inches bgs at each location.
- Second Grid. Eight soil samples were collected from four locations approximately 20 feet out laterally in four directions from the original sample location (DU1-08-0-6) at depths of 0- to 6-inches bgs and 6- to 12-inches bgs at each location.

The samples collected to the north of the original location were given unique sample identifications of DU1-08-0-6-N1 and DU1-08-6-12-N1 for the samples collected 10 feet north of the original location and

DU1-08-0-6-N2 and DU1-08-6-12-N2 for the samples collected 20 feet north of the original location. Four samples were collected in the remaining three directions following this same methodology and nomenclature.

The follow up soil samples were submitted to the analytical laboratory. The four soil samples collected from the 0- to 6-inches bgs interval within the first grid and the one sample from 6- to 12-inches bgs at the original location were selected for chemical analysis of arsenic by EPA Method 6010D to evaluate if the lateral extent of the arsenic detected in soil was limited to these locations initially before performing additional chemical analysis. The analytical results from these five initial samples indicate that arsenic was still detected at concentrations greater than 40 mg/kg in the sample DU1-08-0-6-S1 (50 mg/kg) located approximately 10 feet south of the original sample location. However, analytical results indicate arsenic was detected at concentrations less than 40 mg/kg in samples collected to the north, east and west (DU1-08-0-6-N1, DU1-08-0-6-W1, DU1-08-0-6-E1 and DU1-08-6-12) of the original sample location.

Two additional soil samples (DU1-08-6-12-S1 [first grid] and DU1-08-0-6-S2 [second grid]) located south of the original sample location were also analyzed for arsenic based on the analytical result from sample DU1-08-0-6-S1 to further evaluate the lateral extent of arsenic in the area. Analytical results indicate that arsenic was detected at concentrations less than 40 mg/kg in these two analyzed soil samples.

The locations of the samples that were analyzed relative to the original DU1-08-0-6 sample are presented on Figure 3. Figure 3 also shows the approximate area containing soil with concentrations of arsenic greater than 40 mg/kg. The approximate dimensions of the area shown on Figure 3 is 20 feet by 30 feet. The analytical results indicate that soil with arsenic at concentrations greater than 40 mg/kg are limited to the upper 0.5 feet of soil. The approximate volume of soil that will likely require management during construction of the Redondo Heights Apartments is between 10 and 15 cubic yards.

Table 1 presents the analytical results including the average concentrations of arsenic and lead for each sample collected from 0- to 6-inches bgs, 6- to 12-inches bgs and the duff for the property as a whole. The average arsenic concentration was 17 mg/kg within the 0- to 6-inch bgs sample interval, 10 mg/kg within the 6- to 12-inch bgs sample interval and 12 mg/kg in the duff samples. The average lead concentration was 38 mg/kg within the 0- to 6-inch bgs sample interval, 19 mg/kg within the 6- to 12-inch bgs sample interval and 41 mg/kg within the duff samples.

CONCLUSIONS

The results of this investigation indicate that the proposed development area falls below the “elevated” criteria outlined in the TSPMRG document except for approximately 600 square feet centered on the sample locations DU1-08-0-6 and DU1-08-0-6-S1. The average arsenic and lead concentrations for the property were less than the TSPMRG criteria of 20 mg/kg and 250 mg/kg, respectively. We recommend that the soil within the 600 square foot area in the southwest portion of the site around DU1-08-0-6 and DU1-08-0-6-S1 be managed following one of the model remedies provided in the TSPMRG.

REFERENCES

Washington State Department of Ecology, 2007. "Model Toxics Control Act Cleanup Regulation, Chapter 173-340 WAC" Washington State Department of Ecology Toxics Cleanup Program. Publication No. 94-06. Issued April 1990, Revised October 12, 2007.

Washington State Department of Ecology. 2019. "Tacoma Smelter Plume Model Remedies Guidance" Toxics Cleanup Program Publication Number 19-09-101.

Washington State Department of Ecology. 2021. Website "Dirt Alert" https://apps.ecology.wa.gov/dirtalert/

LIMITATIONS

We have prepared this report for Shelter Resources, Inc. and the proposed Redondo Heights Apartments project in Federal Way, Washington. Shelter Resources, Inc. may distribute copies of this report to their authorized agents and regulatory agencies as may be required for the project.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices in this area at the time this report was prepared. The conclusions, recommendations, and opinions presented in this report are based on our professional knowledge, judgment and experience. No warranty or other conditions, express or implied, should be understood.

Please refer to Appendix B titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

We appreciate the opportunity to assist Shelter Resources, Inc. with this project. Please call if you have questions or require additional information.

Sincerely,
GeoEngineers, Inc.

Aaron M. Waggoner, LG, LHG
Project Geologist

Terry R. McPhetridge, LG, LHG
Principal

AMW:TRM:ch

Attachments:
Table 1. Chemical Analytical Data - Arsenic and Lead Concentrations in Soil
Figure 1. Vicinity Map
Figure 2. Tacoma Smelter Plume Sample Location Map
Figure 3. Tacoma Smelter Plume Sample Location Map and Results
Appendix A – Laboratory Analytical Data
Appendix B – Report Limitations and Guidelines for Use

Table 1

Chemical Analytical Data - Arsenic and Lead Concentrations[1] in Soil

Redondo Heights Apartments

Federal Way, Washington

DU	Sample Number	Soil Depth (inches) / Duff	Date	Time	Notes: Corresponding GeoEngineers Sample ID	Testing Parameters[2] (mg/kg)			
						Arsenic	Average Arsenic[3]	Lead	Average Lead[3]
1	1	0-6	2/24/2021	0850	DU1-01-0-6	11	17	27	38
1	3		2/24/2021	0907	DU1-03-0-6	**36**		86	
1	5		2/24/2021	0918	DU1-05-0-6	**37**		100	
1	6		2/24/2021	0927	DU1-06-0-6	18		27	
1	8		2/24/2021	0935	DU1-08-0-6	**57**		180	
1	8		3/12/2021	1050	DU1-08-0-6-W1	6.1 U		--	
1	8		3/12/2021	1100	DU1-08-0-6-S1	**50**		--	
1	8		3/12/2021	1110	DU1-08-0-6-E1	19		--	
1	8		3/12/2021	1118	DU1-08-0-6-N1	13		--	
1	8		3/12/2021	1105	DU1-08-0-6-S2	**31**		--	
1	10		2/24/2021	0945	DU1-10-0-6	3.1 U		7.7	
1	11		2/24/2021	0955	DU1-11-0-6	9.1		27	
1	12		2/24/2021	1000	DU1-12-0-6	6.2		16	
1	13		2/24/2021	1020	DU1-13-0-6	**22**		33	
1	15		2/24/2021	1030	DU1-15-0-6	13		32	
1	16		2/24/2021	1035	DU1-16-0-6	13		29	
1	18		2/24/2021	1045	DU1-18-0-6	**22**		53	
1	19		2/24/2021	1050	DU1-19-0-6	**34**		59	
1	21		2/24/2021	1059	DU1-21-0-6	16		37	
1	22		2/24/2021	1106	DU1-22-0-6	9.4		19	
1	23		2/24/2021	1112	DU1-23-0-6	10		22	
1	25		2/24/2021	1130	DU1-25-0-6	6.7		15	
1	26		2/24/2021	1138	DU1-26-0-6	18		53	
1	28		2/24/2021	1145	DU1-28-0-6	26		75	
1	29		2/24/2021	1152	DU1-29-0-6	5.8		13	
1	31		2/24/2021	1200	DU1-31-0-6	13		24	
1	33		2/24/2021	1208	DU1-33-0-6	18		40	
1	34		2/24/2021	1214	DU1-34-0-6	16		40	
1	36		2/24/2021	1224	DU1-36-0-6	11		28	
1	37		2/24/2021	1229	DU1-37-0-6	18		42	
1	39		2/24/2021	1236	DU1-39-0-6	19		38	
1	40		2/24/2021	1241	DU1-40-0-6	13		24	
1	41		2/24/2021	1250	DU1-41-0-6	3.5 U		7.0 U	
1	42		2/24/2021	1256	DU1-42-0-6	3.0 U		6.0 U	
1	44		2/24/2021	1304	DU1-44-0-6	2.9		11	
1	46		2/24/2021	1311	DU1-46-0-6	9.7		28	
1	47		2/24/2021	1315	DU1-47-0-6	12		24	
1	2	6-12	2/24/2021	0900	DU1-02-6-12	7.6	10	17	19
1	7		2/24/2021	0930	DU1-07-6-12	8.4		19	
1	8		3/12/2021	1048	DU1-08-6-12	10		--	
1	8		3/12/2021	1102	DU1-08-6-12-S1	**20**		--	
1	17		2/24/2021	1040	DU1-17-6-12	11		24	
1	24		2/24/2021	1115	DU1-24-6-12	12		28	
1	30		2/24/2021	1155	DU1-30-6-12	3.2 U		9.0	
1	35		2/24/2021	1217	DU1-35-6-12	9.1		22	
1	43		2/24/2021	1300	DU1-43-6-12	3.0 U		6.4	
1	48		2/24/2021	1318	DU1-45-6-12	17		30	
1	4	DUFF	2/24/2021	0912	DU1-04-DUFF	4.8 U	12	25	41
1	9		2/24/2021	0940	DU1-09-DUFF	5.2		23	
1	14		2/24/2021	1025	DU1-14-DUFF	**20**		55	
1	20		2/24/2021	1055	DU1-20-DUFF	13		78	
1	27		2/24/2021	1140	DU1-27-DUFF	7.5		24	
1	32		2/24/2021	1205	DU1-32-DUFF	**36**		74	
1	38		2/24/2021	1232	DU1-38-DUFF	9.2		27	
1	45		2/24/2021	1307	DU1-45-DUFF	6.1		23	
MTCA Method A ULU Cleanup Levels						20	N/A	250	N/A
TSPMRG Maximum Criteria						40	20	500	250

Notes:

[1] Chemical analysis was performed by OnSite Environmental, Inc., of Redmond, Washington.

[2] Metals analyzed by United States Environmental Protection Agency (EPA) Method 6010D.

[3] Non-detects are assigned a value equal to half the laboratory detection limit for the purpose of calculating the average concentration within a decision unit.

DUFF = Decaying organic matter covering forest floor consisting of tree needles, leaves and branches.

TSPMRG = Tacoma Smelter Plume Model Remedy Guidance

U = not detected at or greater than the laboratory reporting limit

MTCA = Model Toxics Control Act

mg/kg = milligram per kilogram

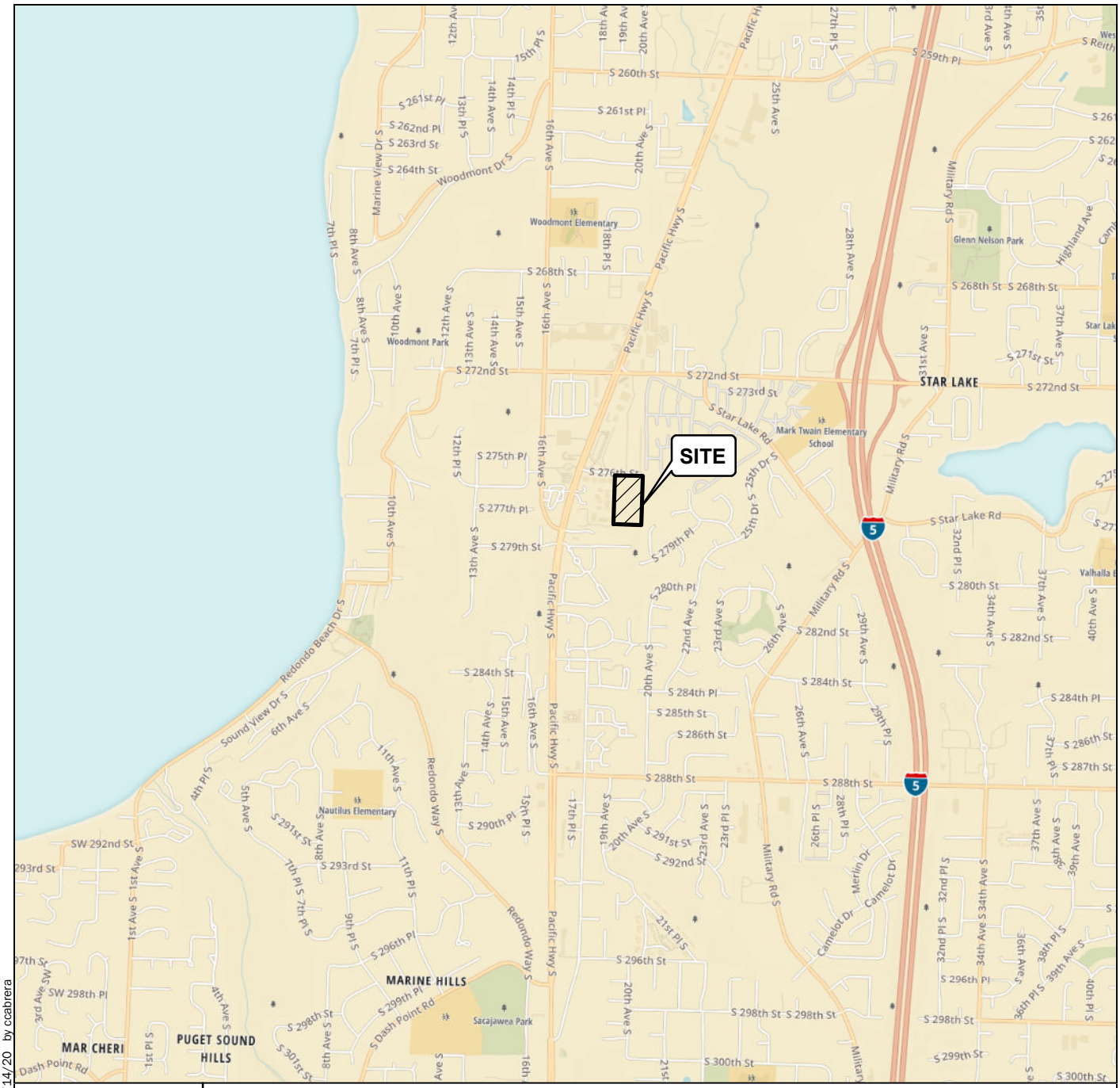
N/A = Not Applicable

ULU = Unrestricted Land Use

DU = Decision Unit

Bold = Analyte detected greater than the corresponding MTCA Method A Cleanup Levels; Arsenic >20 mg/kg, Lead >250 mg/kg

Gray Shaded = Analyte detected greater than twice the corresponding MTCA Method A Cleanup Levels; Arsenic >40 mg/kg, Lead >500 mg/kg



N
W E
S

2,000 0 2,000

Feet

Vicinity Map

Redondo Heights Apartments
Federal Way, Washington

GeoEngineers

Figure 1

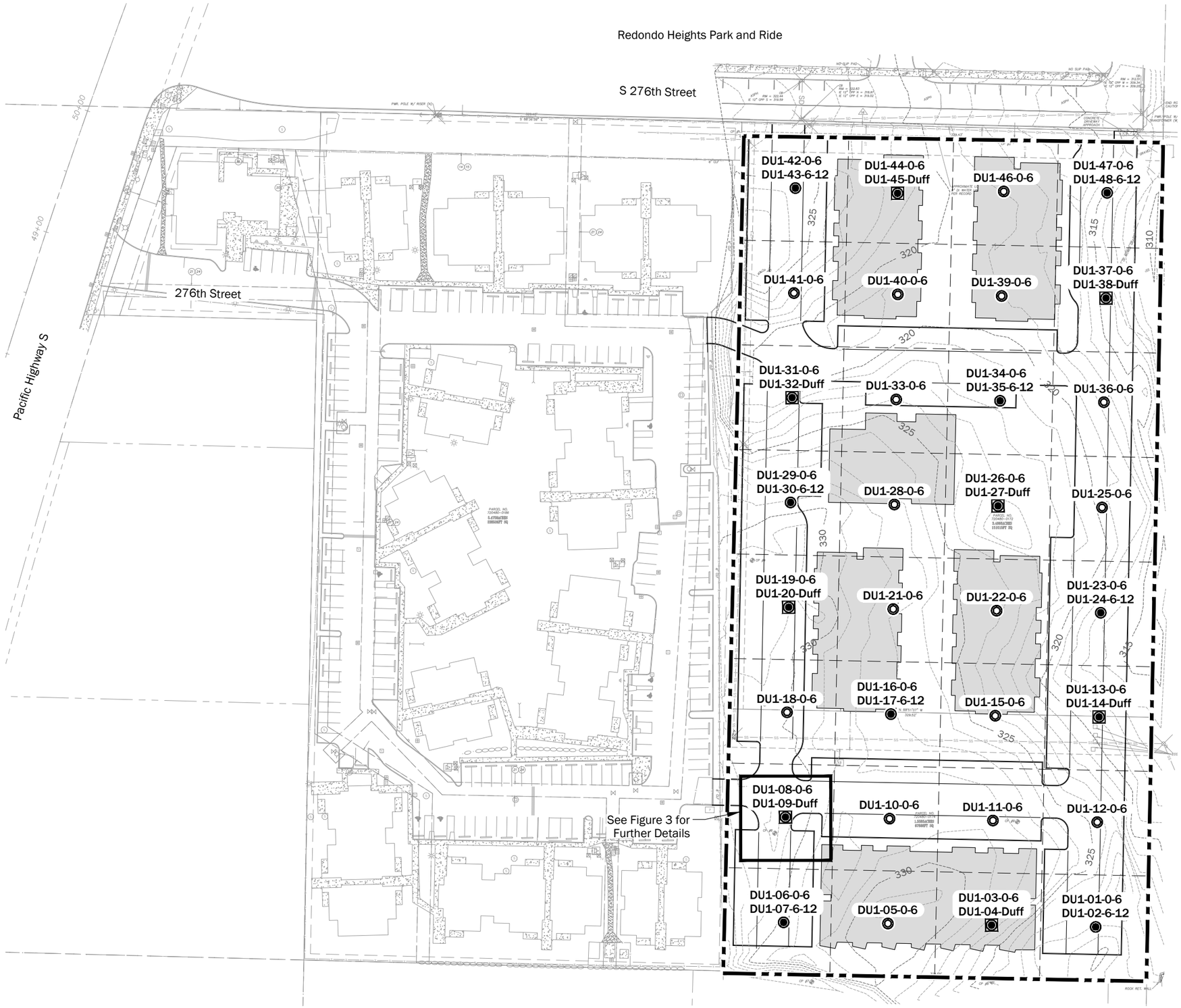
Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Mapbox Open Street Map, 2016

Projection: NAD 1983 HARN StatePlane Washington South FIPS 4602 Feet

P:\3\3625004\GIS\MXD\362500400_F01_VicinityMap.mxd Date Exported: 08/14/20 by ccabrera



Legend

- Site Boundary
- DU1-03-0-6 / DU1-04-Duff — 0" to 6" bgs Sample Location with Duff Sample
- DU1-01-0-6 / DU1-02-6-12 — 0" to 6" bgs and 6" to 12" bgs Sample Location
- DU1-05-0-6 — 0" to 6" bgs Sample Location
- Proposed building Layout of Redondo Heights Apartments

bgs = below ground surface

Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Background data from kpff dated 07/22/20.

Projection: Washington State Plane, North Zone, NAD83, US Foot

N W E S

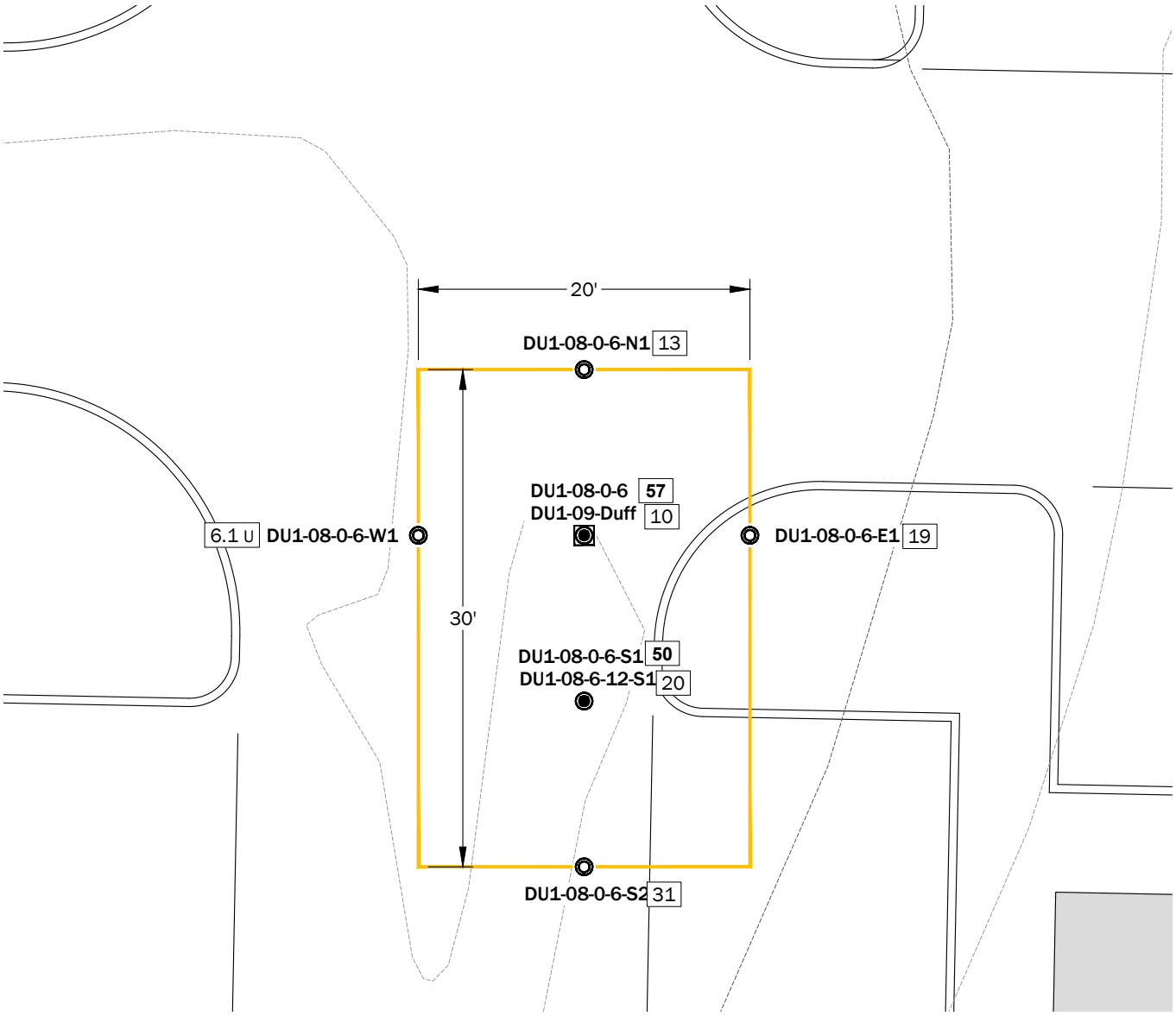
80 0 80
Feet

Tacoma Smelter Plume Sample Location Map

Redondo Heights Apartments
Federal Way, Washington

GeoEngineers

Figure 2



Legend

DU1-08-0-6 DU1-09-Duff	0" to 6" bgs Sample Location with Duff Sample
DU1-08-0-6 DU1-08-6-12	0" to 6" bgs and 6" to 12" bgs Sample Location
DU1-08-0-6	0" to 6" bgs Sample Location
	Area Containing Arsenic in Soil at Concentration >40 mg/kg from 0" to 6" below ground surface
13	Arsenic Concentration (mg/kg)
57	Bold = Analyte detected at greater than the maximum threshold limit for Arsenic; 40 mg/kg

U = not detected at or greater than the laboratory reporting limit
bgs = below ground surface
mg/kg = milligram per kilogram

N W E S

10 0 10
Feet

Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Background data from kpff dated 07/22/20.

Projection: Washington State Plane, North Zone, NAD83, US Foot

Tacoma Smelter Plume Sample Location Map and Results

Redondo Heights Apartments
Federal Way, Washington

GeoEngineers

Figure 3

APPENDIX A
Laboratory Analytical Data

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

March 3, 2021

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 3625-004-01
Laboratory Reference No. 2102-229

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on February 24, 2021.

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: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

Case Narrative

Samples were collected on February 24, 2021 and received by the laboratory on February 24, 2021. 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: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DU1-01-0-6	02-229-01	Soil	2-24-21	2-24-21	
DU1-02--6-12	02-229-02	Soil	2-24-21	2-24-21	
DU1-03-0-6	02-229-03	Soil	2-24-21	2-24-21	
DU1-04-Duff	02-229-04	Soil	2-24-21	2-24-21	
DU1-05-0-6	02-229-05	Soil	2-24-21	2-24-21	
DU1-06-0-6	02-229-06	Soil	2-24-21	2-24-21	
DU1-07-6-12	02-229-07	Soil	2-24-21	2-24-21	
DU1-08-0-6	02-229-08	Soil	2-24-21	2-24-21	
DU1-09-Duff	02-229-09	Soil	2-24-21	2-24-21	
DU1-10-0-6	02-229-10	Soil	2-24-21	2-24-21	
DU1-11-0-6	02-229-11	Soil	2-24-21	2-24-21	
DU1-12-0-6	02-229-12	Soil	2-24-21	2-24-21	
DU1-13-0-6	02-229-13	Soil	2-24-21	2-24-21	
DU1-14-Duff	02-229-14	Soil	2-24-21	2-24-21	
DU1-15-0-6	02-229-15	Soil	2-24-21	2-24-21	
DU1-16-0-6	02-229-16	Soil	2-24-21	2-24-21	
DU1-17-6-12	02-229-17	Soil	2-24-21	2-24-21	
DU1-18-0-6	02-229-18	Soil	2-24-21	2-24-21	
DU1-19-0-6	02-229-19	Soil	2-24-21	2-24-21	
DU1-20-Duff	02-229-20	Soil	2-24-21	2-24-21	
DU1-31-0-6	02-229-21	Soil	2-24-21	2-24-21	
DU1-32-Duff	02-229-22	Soil	2-24-21	2-24-21	
DU1-33-0-6	02-229-23	Soil	2-24-21	2-24-21	
DU1-34-0-6	02-229-24	Soil	2-24-21	2-24-21	
DU1-35-6-12	02-229-25	Soil	2-24-21	2-24-21	
DU1-36-0-6	02-229-26	Soil	2-24-21	2-24-21	
DU1-37-0-6	02-229-27	Soil	2-24-21	2-24-21	
DU1-38-Duff	02-229-28	Soil	2-24-21	2-24-21	
DU1-39-0-6	02-229-29	Soil	2-24-21	2-24-21	
DU1-40-0-6	02-229-30	Soil	2-24-21	2-24-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DU1-21-0-6	02-229-31	Soil	2-24-21	2-24-21	
DU1-22-0-6	02-229-32	Soil	2-24-21	2-24-21	
DU1-23-0-6	02-229-33	Soil	2-24-21	2-24-21	
DU1-24-6-12	02-229-34	Soil	2-24-21	2-24-21	
DU1-25-0-6	02-229-35	Soil	2-24-21	2-24-21	
DU1-26-0-6	02-229-36	Soil	2-24-21	2-24-21	
DU1-27-Duff	02-229-37	Soil	2-24-21	2-24-21	
DU1-28-0-6	02-229-38	Soil	2-24-21	2-24-21	
DU1-29-0-6	02-229-39	Soil	2-24-21	2-24-21	
DU1-30-6-12	02-229-40	Soil	2-24-21	2-24-21	
DU1-41-0-6	02-229-41	Soil	2-24-21	2-24-21	
DU1-42-0-6	02-229-42	Soil	2-24-21	2-24-21	
DU1-43-6-12	02-229-43	Soil	2-24-21	2-24-21	
DU1-44-0-6	02-229-44	Soil	2-24-21	2-24-21	
DU1-45-Duff	02-229-45	Soil	2-24-21	2-24-21	
DU1-46-0-6	02-229-46	Soil	2-24-21	2-24-21	
DU1-47-0-6	02-229-47	Soil	2-24-21	2-24-21	
DU1-48-6-12	02-229-48	Soil	2-24-21	2-24-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-01-0-6**					
Laboratory ID:	02-229-01					
Arsenic	**11**	3.8	EPA 6010D	2-25-21	2-25-21	
Lead	**27**	7.7	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-02--6-12**					
Laboratory ID:	02-229-02					
Arsenic	**7.6**	3.7	EPA 6010D	2-25-21	2-25-21	
Lead	**17**	7.4	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-03-0-6**					
Laboratory ID:	02-229-03					
Arsenic	**36**	3.6	EPA 6010D	2-25-21	2-25-21	
Lead	**86**	7.1	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-04-Duff**					
Laboratory ID:	02-229-04					
Arsenic	**ND**	4.8	EPA 6020B	3-3-21	3-3-21	
Lead	**25**	19	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-05-0-6**					
Laboratory ID:	02-229-05					
Arsenic	**37**	4.4	EPA 6010D	2-25-21	2-25-21	
Lead	**100**	8.7	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-06-0-6**					
Laboratory ID:	02-229-06					
Arsenic	**18**	3.2	EPA 6010D	2-25-21	2-25-21	
Lead	**27**	6.4	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-07-6-12**					
Laboratory ID:	02-229-07					
Arsenic	**8.4**	3.6	EPA 6010D	2-25-21	2-25-21	
Lead	**19**	7.1	EPA 6010D	2-25-21	2-25-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-08-0-6**					
Laboratory ID:	02-229-08					
Arsenic	**57**	4.0	EPA 6010D	2-25-21	2-25-21	
Lead	**180**	8.0	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-09-Duff**					
Laboratory ID:	02-229-09					
Arsenic	**5.2**	4.5	EPA 6010D	2-25-21	2-25-21	
Lead	**23**	8.9	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-10-0-6**					
Laboratory ID:	02-229-10					
Arsenic	**ND**	3.1	EPA 6010D	2-25-21	2-25-21	
Lead	**7.7**	6.2	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-11-0-6**					
Laboratory ID:	02-229-11					
Arsenic	**9.1**	3.7	EPA 6010D	2-25-21	2-25-21	
Lead	**27**	7.5	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-12-0-6**					
Laboratory ID:	02-229-12					
Arsenic	**6.2**	3.7	EPA 6010D	2-25-21	2-25-21	
Lead	**16**	7.4	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-13-0-6**					
Laboratory ID:	02-229-13					
Arsenic	**22**	3.4	EPA 6010D	2-25-21	2-25-21	
Lead	**33**	6.8	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-14-Duff**					
Laboratory ID:	02-229-14					
Arsenic	**20**	7.2	EPA 6010D	2-25-21	2-25-21	
Lead	**55**	14	EPA 6010D	2-25-21	2-25-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-15-0-6**					
Laboratory ID:	02-229-15					
Arsenic	**13**	3.5	EPA 6010D	2-25-21	2-25-21	
Lead	**32**	6.9	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-16-0-6**					
Laboratory ID:	02-229-16					
Arsenic	**13**	2.9	EPA 6010D	2-25-21	2-25-21	
Lead	**29**	5.7	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-17-6-12**					
Laboratory ID:	02-229-17					
Arsenic	**11**	3.2	EPA 6010D	2-25-21	2-25-21	
Lead	**24**	6.5	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-18-0-6**					
Laboratory ID:	02-229-18					
Arsenic	**22**	3.9	EPA 6010D	2-25-21	2-25-21	
Lead	**53**	7.9	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-19-0-6**					
Laboratory ID:	02-229-19					
Arsenic	**34**	3.5	EPA 6010D	2-25-21	2-25-21	
Lead	**59**	7.1	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-20-Duff**					
Laboratory ID:	02-229-20					
Arsenic	**13**	6.1	EPA 6010D	2-25-21	2-25-21	
Lead	**78**	12	EPA 6010D	2-25-21	2-25-21	
Client ID:	**DU1-31-0-6**					
Laboratory ID:	02-229-21					
Arsenic	**13**	3.2	EPA 6010D	2-26-21	2-26-21	
Lead	**24**	6.4	EPA 6010D	2-26-21	2-26-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-32-Duff**					
Laboratory ID:	02-229-22					
Arsenic	**36**	4.1	EPA 6010D	2-26-21	2-26-21	
Lead	**74**	8.3	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-33-0-6**					
Laboratory ID:	02-229-23					
Arsenic	**18**	3.5	EPA 6010D	2-26-21	2-26-21	
Lead	**40**	6.9	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-34-0-6**					
Laboratory ID:	02-229-24					
Arsenic	**16**	3.3	EPA 6010D	2-26-21	2-26-21	
Lead	**40**	6.6	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-35-6-12**					
Laboratory ID:	02-229-25					
Arsenic	**9.1**	3.0	EPA 6010D	2-26-21	2-26-21	
Lead	**22**	6.1	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-36-0-6**					
Laboratory ID:	02-229-26					
Arsenic	**11**	3.5	EPA 6010D	2-26-21	2-26-21	
Lead	**28**	6.9	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-37-0-6**					
Laboratory ID:	02-229-27					
Arsenic	**18**	3.4	EPA 6010D	2-26-21	2-26-21	
Lead	**42**	6.9	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-38-Duff**					
Laboratory ID:	02-229-28					
Arsenic	**9.2**	4.5	EPA 6010D	2-26-21	2-26-21	
Lead	**27**	9.0	EPA 6010D	2-26-21	2-26-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-39-0-6**					
Laboratory ID:	02-229-29					
Arsenic	**19**	3.3	EPA 6010D	2-26-21	2-26-21	
Lead	**38**	6.6	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-40-0-6**					
Laboratory ID:	02-229-30					
Arsenic	**13**	3.4	EPA 6010D	2-26-21	2-26-21	
Lead	**24**	6.8	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-21-0-6**					
Laboratory ID:	02-229-31					
Arsenic	**16**	3.8	EPA 6010D	2-26-21	2-26-21	
Lead	**37**	7.6	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-22-0-6**					
Laboratory ID:	02-229-32					
Arsenic	**9.4**	3.1	EPA 6010D	2-26-21	2-26-21	
Lead	**19**	6.2	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-23-0-6**					
Laboratory ID:	02-229-33					
Arsenic	**10**	3.5	EPA 6010D	2-26-21	2-26-21	
Lead	**22**	7.1	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-24-6-12**					
Laboratory ID:	02-229-34					
Arsenic	**12**	3.3	EPA 6010D	2-26-21	2-26-21	
Lead	**28**	6.5	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-25-0-6**					
Laboratory ID:	02-229-35					
Arsenic	**6.7**	3.4	EPA 6010D	2-26-21	2-26-21	
Lead	**15**	6.7	EPA 6010D	2-26-21	2-26-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-26-0-6**					
Laboratory ID:	02-229-36					
Arsenic	**18**	3.9	EPA 6010D	2-26-21	2-26-21	
Lead	**53**	7.7	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-27-Duff**					
Laboratory ID:	02-229-37					
Arsenic	**7.5**	3.8	EPA 6020B	3-3-21	3-3-21	
Lead	**24**	15	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-28-0-6**					
Laboratory ID:	02-229-38					
Arsenic	**26**	3.7	EPA 6010D	2-26-21	2-26-21	
Lead	**75**	7.4	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-29-0-6**					
Laboratory ID:	02-229-39					
Arsenic	**5.8**	3.2	EPA 6010D	2-26-21	2-26-21	
Lead	**13**	6.3	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-30-6-12**					
Laboratory ID:	02-229-40					
Arsenic	**ND**	3.2	EPA 6010D	2-26-21	2-26-21	
Lead	**9.0**	6.4	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-41-0-6**					
Laboratory ID:	02-229-41					
Arsenic	**ND**	3.5	EPA 6010D	2-26-21	2-26-21	
Lead	**ND**	7.0	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-42-0-6**					
Laboratory ID:	02-229-42					
Arsenic	**ND**	3.0	EPA 6010D	2-26-21	2-26-21	
Lead	**ND**	6.0	EPA 6010D	2-26-21	2-26-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-43-6-12**					
Laboratory ID:	02-229-43					
Arsenic	**ND**	3.0	EPA 6010D	2-26-21	2-26-21	
Lead	**6.4**	6.1	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-44-0-6**					
Laboratory ID:	02-229-44					
Arsenic	**2.9**	2.8	EPA 6010D	2-26-21	2-26-21	
Lead	**11**	5.6	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-45-Duff**					
Laboratory ID:	02-229-45					
Arsenic	**6.1**	5.0	EPA 6010D	2-26-21	2-26-21	
Lead	**23**	10	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-46-0-6**					
Laboratory ID:	02-229-46					
Arsenic	**9.7**	2.9	EPA 6010D	2-26-21	2-26-21	
Lead	**28**	5.9	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-47-0-6**					
Laboratory ID:	02-229-47					
Arsenic	**12**	3.1	EPA 6010D	2-26-21	2-26-21	
Lead	**24**	6.3	EPA 6010D	2-26-21	2-26-21	
Client ID:	**DU1-48-6-12**					
Laboratory ID:	02-229-48					
Arsenic	**17**	3.1	EPA 6010D	2-26-21	2-26-21	
Lead	**30**	6.2	EPA 6010D	2-26-21	2-26-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0225SM2					
Arsenic	**ND**	2.5	EPA 6010D	2-25-21	2-25-21	
Lead	**ND**	5.0	EPA 6010D	2-25-21	2-25-21	
Laboratory ID:	MB0226SM1					
Arsenic	**ND**	2.5	EPA 6010D	2-26-21	2-26-21	
Lead	**ND**	5.0	EPA 6010D	2-26-21	2-26-21	
Laboratory ID:	MB0226SM2					
Arsenic	**ND**	2.5	EPA 6010D	2-26-21	2-26-21	
Lead	**ND**	5.0	EPA 6010D	2-26-21	2-26-21	
Laboratory ID:	MB0303SM1					
Arsenic	**ND**	1.3	EPA 6020B	3-3-21	3-3-21	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	02-229-17									
	ORIG	DUP								
Arsenic	**8.80**	**8.05**	NA	NA		NA	NA	9	20	
Lead	**18.3**	**19.6**	NA	NA		NA	NA	7	20	
Laboratory ID:	02-229-21									
	ORIG	DUP								
Arsenic	**9.95**	**8.20**	NA	NA		NA	NA	19	20	
Lead	**18.8**	**15.9**	NA	NA		NA	NA	17	20	
Laboratory ID:	02-229-44									
	ORIG	DUP								
Arsenic	**2.63**	**4.67**	NA	NA		NA	NA	56	20	C
Lead	**9.40**	**15.9**	NA	NA		NA	NA	51	20	C
Laboratory ID:	02-229-17									
	ORIG	DUP								
Arsenic	**10.0**	**9.30**	NA	NA		NA	NA	8	20	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-229-17										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**92.3**	**96.2**	100	100	8.80	**84**	**87**	75-125	4	20	
Lead	**253**	**256**	250	250	18.3	**94**	**95**	75-125	1	20	
Laboratory ID:	02-229-21										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**100**	**102**	100	100	9.95	**90**	**92**	75-125	2	20	
Lead	**258**	**257**	250	250	18.8	**96**	**95**	75-125	0	20	
Laboratory ID:	02-229-44										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**95.0**	**92.8**	100	100	ND	**95**	**93**	75-125	2	20	
Lead	**256**	**256**	250	250	9.40	**99**	**99**	75-125	0	20	
Laboratory ID:	02-229-17										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**86.3**	**88.3**	100	100	10.0	**76**	**78**	75-125	2	20	

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
DU1-01-0-6	02-229-01	**35**	2-25-21
DU1-02--6-12	02-229-02	**33**	2-25-21
DU1-03-0-6	02-229-03	**30**	2-25-21
DU1-04-Duff	02-229-04	**74**	2-25-21
DU1-05-0-6	02-229-05	**43**	2-25-21
DU1-06-0-6	02-229-06	**21**	2-25-21
DU1-07-6-12	02-229-07	**30**	2-25-21
DU1-08-0-6	02-229-08	**38**	2-25-21
DU1-09-Duff	02-229-09	**44**	2-25-21
DU1-10-0-6	02-229-10	**20**	2-25-21
DU1-11-0-6	02-229-11	**33**	2-25-21
DU1-12-0-6	02-229-12	**33**	2-25-21
DU1-13-0-6	02-229-13	**26**	2-25-21
DU1-14-Duff	02-229-14	**65**	2-25-21
DU1-15-0-6	02-229-15	**28**	2-25-21
DU1-16-0-6	02-229-16	**13**	2-25-21
DU1-17-6-12	02-229-17	**23**	2-25-21
DU1-18-0-6	02-229-18	**37**	2-25-21
DU1-19-0-6	02-229-19	**29**	2-25-21
DU1-20-Duff	02-229-20	**59**	2-25-21
DU1-31-0-6	02-229-21	**21**	2-25-21
DU1-32-Duff	02-229-22	**40**	2-25-21
DU1-33-0-6	02-229-23	**28**	2-25-21
DU1-34-0-6	02-229-24	**24**	2-25-21
DU1-35-6-12	02-229-25	**18**	2-26-21
DU1-36-0-6	02-229-26	**28**	2-26-21
DU1-37-0-6	02-229-27	**27**	2-26-21

Date of Report: March 3, 2021
Samples Submitted: February 24, 2021
Laboratory Reference: 2102-229
Project: 3625-004-01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
DU1-38-Duff	02-229-28	**44**	2-26-21
DU1-39-0-6	02-229-29	**24**	2-26-21
DU1-40-0-6	02-229-30	**27**	2-26-21
DU1-21-0-6	02-229-31	**34**	2-26-21
DU1-22-0-6	02-229-32	**19**	2-26-21
DU1-23-0-6	02-229-33	**29**	2-26-21
DU1-24-6-12	02-229-34	**24**	2-26-21
DU1-25-0-6	02-229-35	**25**	2-26-21
DU1-26-0-6	02-229-36	**35**	2-26-21
DU1-27-Duff	02-229-37	**67**	2-26-21
DU1-28-0-6	02-229-38	**33**	2-26-21
DU1-29-0-6	02-229-39	**21**	2-26-21
DU1-30-6-12	02-229-40	**22**	2-26-21
DU1-41-0-6	02-229-41	**28**	2-26-21
DU1-42-0-6	02-229-42	**17**	2-26-21
DU1-43-6-12	02-229-43	**17**	2-26-21
DU1-44-0-6	02-229-44	**11**	2-26-21
DU1-45-Duff	02-229-45	**50**	2-26-21
DU1-46-0-6	02-229-46	**15**	2-26-21
DU1-47-0-6	02-229-47	**20**	2-26-21
DU1-48-6-12	02-229-48	**20**	2-26-21

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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

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

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

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

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

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

I - Compound recovery is outside of the control limits.

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

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

L - The RPD is outside of the control limits.

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

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

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

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

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

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

Q - Surrogate recovery is outside of the control limits.

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

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

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

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

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

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

X - Sample extract treated with a mercury cleanup procedure.

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

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

Z -

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

Chain of Custody

Page 1 of 5

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

Company: GEI
Project Number: 3625-004-01
Project Name: Redondo Heights Apartments
Project Manager: Aaron Waggoner
Sampled by: Wadrow S / Dexter Chan

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

Laboratory Number: 02-229

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	Arsenic and Pb				% Moisture
1	Du1-01-0-6	2/24/21	0850	Soil	1																		X				X
2	Du1-02-6-12		0900																								
3	Du1-03-0-6		0907																								
4	Du1-04-Duff		0912																								
5	Du1-05-0-6		0918																								
6	Du1-06-0-6		0927																								
7	Du1-07-6-12		0930																								
8	Du1-08-0-6		0935																								
9	Du1-09-Duff		0940																								
10	Du1-10-0-6		0945																								

	Signature	Company	Date	Time
Relinquished		GEI	2/24/21	1444
Received		OSE	2/24/21	14:44
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Epa method 6010D for indicated metal

As-7.0 ppm
Pb-24.0 ppm

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

Chain of Custody

Page 2 of 5

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

Company: GET
Project Number: 3625-004-01
Project Name: Redondo Heights Apartments
Project Manager: Aaron Waggoner
Sampled by: Woodrow S. / Dexter Chan

Turnaround Request (in working days)

(Check One)

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

Laboratory Number: 02-229

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	As and Pb				% Moisture
11	Duf-11-0-6	2/24/21	0955	soil	1																		X				X
12	Duf-12-0-6		1000		1																						
13	Duf-13-0-6		1020		1																						
14	Duf-14-DUP		1025		1																						
15	Duf-15-0-6		1030		1																						
16	Duf-16-0-6		1035		1																						
17	Duf-17-6-12		1040		1																						
18	Duf-18-0-6		1045		1																						
19	Duf-19-0-6		1050		1																						
20	Duf-20-DUP		1055		1																						

	Signature	Company	Date	Time
Relinquished		GET	2/24/21	1445
Received		OSE	2/24/21	14:45
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

EPA method 6010 D for indicated metal

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: GEI
Project Number: 3625-004-01
Project Name: Redondo Heights Apartments
Project Manager: Aaron Waggoner
Sampled by: Weedrow SI Dexter chain

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

Laboratory Number: 02-229

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	As and Pb				% Moisture
21	Du1-31-0-6	2/24/21	1200	soil	1																		X				X
22	Du1-32-Duff		1205																								
23	Du1-33-0-6		1208																								
24	Du1-34-0-6		1214																								
25	Du1-35-6-12		1217																								
26	Du1-36-0-6		1224																								
27	Du1-37-0-6		1229																								
28	Du1-38-Duff		1232																								
29	Du1-39-0-6		1236																								
30	Du1-40-0-6		1241																								

	Signature	Company	Date	Time
Relinquished		GEI	2/24/21	1445
Received		OSE	2/24/21	14:45
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Epa method 6010d for indicated metal

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

Chain of Custody

Page 4 of 5

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

Company: GEF
Project Number: 3625-004-01
Project Name: Redondo Heights Apartments
Project Manager: Aaron Waggoner
Sampled by: Woodrow S / Dexter Chan

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

Laboratory Number: 02-229

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	As +Pb				% Moisture
31	Du1-21-0-6	2/24/21	1054	Soil	1																		X				X
32	Du1-22-0-6		1106																								
33	Du1-23-0-6		1112																								
34	Du1-24-6-12		1145																								
35	Du1-25-0-6		1130																								
36	Du1-26-0-6		1136																								
37	Du1-27-Duff		1140																								
38	Du1-28-0-6		1145																								
39	Du1-29-0-6		1152																								
40	Du1-30-6-12		1155																								

	Signature	Company	Date	Time
Relinquished		GEF	2/24/21	1445
Received		OSE	2/24/21	14:45
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
use Epa method 3060D for indicated metal

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: GEI
Project Number: 3665-004-01
Project Name: Redondo Heights Apartments
Project Manager: Aaron Waggoner
Sampled by: Woodrow S/Dexter Chan

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

Laboratory Number: 02-229

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	Ar and Pb				% Moisture
41	Du1-41-0-6	2/24/21	1256	Soil	1																		X				X
42	Du1-42-0-6		1258																								
43	Du1-43-6-12		1300																								
44	Du1-44-0-6		1304																								
45	Du1-45-DUP		1307																								
46	Du1-46-0-6		1311																								
47	Du1-47-0-6		1315																								
48	Du1-48-6-12		1316																				X				X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		GEI	2/24/21	1445	Use Epa Method 3060d for indicated metal
Received		OSE	2/24/21	14:45	
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

March 16, 2021

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 3625-004-01
Laboratory Reference No. 2103-137

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on March 12, 2021.

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: March 16, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137
Project: 3625-004-01

Case Narrative

Samples were collected on March 12, 2021 and received by the laboratory on March 12, 2021. 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: March 16, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137
Project: 3625-004-01

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DU1-08-6-12	03-137-01	Soil	3-12-21	3-12-21	
DU1-08-0-6-W1	03-137-02	Soil	3-12-21	3-12-21	
DU1-08-0-6-S1	03-137-06	Soil	3-12-21	3-12-21	
DU1-08-0-6-E1	03-137-10	Soil	3-12-21	3-12-21	
DU1-08-0-6-N1	03-137-14	Soil	3-12-21	3-12-21	

Date of Report: March 16, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137
Project: 3625-004-01

TOTAL ARSENIC
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-08-6-12**					
Laboratory ID:	03-137-01					
Arsenic	**10**	5.9	EPA 6010D	3-12-21	3-12-21	
Client ID:	**DU1-08-0-6-W1**					
Laboratory ID:	03-137-02					
Arsenic	**ND**	6.1	EPA 6010D	3-12-21	3-12-21	
Client ID:	**DU1-08-0-6-S1**					
Laboratory ID:	03-137-06					
Arsenic	**50**	6.0	EPA 6010D	3-12-21	3-12-21	
Client ID:	**DU1-08-0-6-E1**					
Laboratory ID:	03-137-10					
Arsenic	**19**	6.3	EPA 6010D	3-12-21	3-12-21	
Client ID:	**DU1-08-0-6-N1**					
Laboratory ID:	03-137-14					
Arsenic	**13**	6.6	EPA 6010D	3-12-21	3-12-21	

Date of Report: March 16, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137
Project: 3625-004-01

TOTAL ARSENIC
EPA 6010D
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0312SM3					
Arsenic	**ND**	5.0	EPA 6010D	3-12-21	3-12-21	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-103-09										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	03-103-09										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**91.2**	**92.4**	100	100	ND	**91**	**92**	75-125	1	20	

Date of Report: March 16, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137
Project: 3625-004-01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
DU1-08-6-12	03-137-01	**15**	3-12-21
DU1-08-0-6-W1	03-137-02	**18**	3-12-21
DU1-08-0-6-S1	03-137-06	**16**	3-12-21
DU1-08-0-6-E1	03-137-10	**21**	3-12-21
DU1-08-0-6-N1	03-137-14	**25**	3-12-21

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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

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

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

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

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

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

I - Compound recovery is outside of the control limits.

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

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

L - The RPD is outside of the control limits.

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

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

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

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

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

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

Q - Surrogate recovery is outside of the control limits.

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

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

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

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

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

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

X - Sample extract treated with a mercury cleanup procedure.

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

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

Z -

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

Chain of Custody

Page 1 of 2

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

Company: GeoEngineers
Project Number: 3625-004-01
Project Name: Redondo Heights
Project Manager: Aaron Waggoner
Sampled by: AMW / WDS

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

Laboratory Number: 03-137

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 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total/metals As, Pb NO	Hold			% Moisture
1	DU1-08-6-12	3/12/21	1048	Soil	1																		X				X
2	DU1-08 0-6-W1		1050		1																		X				X
3	DU1-08-6-12-W1		1053		1																			X			
4	DU1-08-0-6W2		1056		1																			X			
5	DU1-08-6-12-W2		1058		1																			X			
6	DU1-08-0-6-S1		1100		1																		X				X
7	DU1-08-6-12-S1		1102		1																			X			
8	DU1-08-06-S2		1105		1																			X			
9	DU1-08-6-12-S2		1107		1																			X			
10	DU1-08-0-6-E1		1110		1																		X				X

	Signature	Company	Date	Time
Relinquished		GEI	3/11/21	1330
Received		OSE	3/12/21	1330
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Detection Limits
$A_s \leq 7$ mg/kg
$Pb \leq 24$ mg/kg

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: GeoEngineers
Project Number: 3625-004-01
Project Name: Redondo Heights
Project Manager: Aaron Waggoner
Sampled by: AMW / WDS

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

Laboratory Number: 03-137

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 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total metals As, Pb	Hold			% Moisture
11	DU1-08-6-12-E1	3/12/21	1112	Soil	1																			X			
12	DU1-08-0-6 E2		1113																					X			
13	DU1-08-6-12 E2		1115																					X			
14	DU1-08-0-6 N1		1116																			X					X
15	DU1-08-6-12 N1		1118																					X			
16	DU1-08-0-6-N2		1119																					X			
17	DU1-08-6-12-N2		1120																					X			

	Signature	Company	Date	Time
Relinquished		GeEI	3/11/21	1330
Received		OSE	3/12/21	1330
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Detection Limits
As ≤ 7 mg/kg
Pb ≤ 24 mg/kg

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

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

March 18, 2021

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 3625-004-01
Laboratory Reference No. 2103-137B

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on March 12, 2021.

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: March 18, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137B
Project: 3625-004-01

Case Narrative

Samples were collected on March 12, 2021 and received by the laboratory on March 12, 2021. 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: March 18, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137B
Project: 3625-004-01

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DU1-08-6-12-S1	03-137-07	Soil	3-12-21	3-12-21	
DU1-08-0-6-S2	03-137-08	Soil	3-12-21	3-12-21	

Date of Report: March 18, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137B
Project: 3625-004-01

TOTAL ARSENIC
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DU1-08-6-12-S1**					
Laboratory ID:	03-137-07					
Arsenic	**20**	6.1	EPA 6010D	3-17-21	3-17-21	
Client ID:	**DU1-08-0-6-S2**					
Laboratory ID:	03-137-08					
Arsenic	**31**	6.2	EPA 6010D	3-17-21	3-17-21	

Date of Report: March 18, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137B
Project: 3625-004-01

TOTAL ARSENIC
EPA 6010D
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317SM2					
Arsenic	**ND**	5.0	EPA 6010D	3-17-21	3-17-21	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-177-07										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	03-177-07										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**99.4**	**99.3**	100	100	ND	**99**	**99**	75-125	0	20	

Date of Report: March 18, 2021
Samples Submitted: March 12, 2021
Laboratory Reference: 2103-137B
Project: 3625-004-01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
DU1-08-6-12-S1	03-137-07	**17**	3-18-21
DU1-08-0-6-S2	03-137-08	**19**	3-18-21

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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

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

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

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

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

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

I - Compound recovery is outside of the control limits.

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

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

L - The RPD is outside of the control limits.

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

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

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

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

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

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

Q - Surrogate recovery is outside of the control limits.

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

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

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

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

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

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

X - Sample extract treated with a mercury cleanup procedure.

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

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

Z -

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

Chain of Custody

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

Company: GeoEngineers
Project Number: 3625-004-01
Project Name: Redondo Heights
Project Manager: Aaron Waggoner
Sampled by: AMW / WDS

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

Laboratory Number: 03-137

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 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total/metals As, Pb, NO3	Hold			% Moisture
1	DU1-08-6-12	3/12/21	1048	Soil	1																		X				X
2	DU1-08-6-W1		1050		1																		X				X
3	DU1-08-6-12-W1		1053		1																			X			
4	DU1-08-0-6W2		1056		1																			X			
5	DU1-08-6-12-W2		1058		1																			X			
6	DU1-08-0-6-S1		1100		1																		X				X
7	DU1-08-6-12-S1		1102		1																		(X)	X			(X)
8	DU1-08-06-S2		1105		1																		(X)	X			(X)
9	DU1-08-6-12-S2		1107		1																			X			
10	DU1-08-0-6-E1		1110		1																		X				X

	Signature	Company	Date	Time
Relinquished		GEI	3/11/21	1330
Received		OE	3/12/21	1330
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Detection Limits
$A_s \leq 7$ mg/kg
$Pb \leq 24$ mg/kg

(X) Added 3/16/21 DB (2 day TAT)

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: GeoEngineers
Project Number: 3625-004-01
Project Name: Redondo Heights
Project Manager: Aaron Waggoner
Sampled by: AMW / WDS

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 03-137

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 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total metals As, Pb	Hold			% Moisture
11	DU1-08-6-12-E1	3/12/21	1112	Soil	1																			X			
12	DU1-08-0-6 E2		1113																					X			
13	DU1-08-6-12 E2		1115																					X			
14	DU1-08-0-6 N1		1116																				X				X
15	DU1-08-6-12 N1		1118																					X			
16	DU1-08-0-6-N2		1119																					X			
17	DU1-08-6-12-N2		1120																					X			

	Signature	Company	Date	Time
Relinquished		GeEI	3/11/21	1330
Received		OSE	3/12/21	1330
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Detection Limits
As ≤ 7 mg/kg
Pb ≤ 24 mg/kg

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

APPENDIX B
Report Limitations and Guidelines for Use

APPENDIX B
REPORT LIMITATIONS AND GUIDELINES FOR USE[1]

This appendix provides information to help you manage your risks with respect to the use of this report. Please confer with GeoEngineers if you need to know more about how these "Report Limitations and Guidelines for Use" apply to your project or property.

Read These Provisions Closely

It is important to recognize that environmental engineering and geoscience practices (geotechnical engineering, geology and environmental science) are less exact than other engineering and natural science disciplines. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce the risk of misunderstandings or unrealistic expectations that lead to disappointments, claims and disputes.

Environmental Services Are Performed for Specific Purposes, Persons and Projects

GeoEngineers has prepared this Soil Sampling and Analytical Results Summary for the proposed Redondo Heights Apartments project in Federal Way, Washington in general accordance with the scope and limitations of our fully executed proposal, dated February 22, 2021. This report has been prepared for the exclusive use of Shelter Resources, Inc. This report is not intended for use by others, and the information contained herein is not applicable to other properties.

GeoEngineers structures its services to meet the specific needs of its clients. For example, an ESA study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and property. Use of this report is not recommended for any purpose or project other than as expressly stated in this report.

This Environmental Report is Based on a Unique Set of Project-Specific Factors

This report has been prepared for the proposed L Redondo Heights Apartments project in Federal Way, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this Project. Unless GeoEngineers specifically indicates otherwise, it is important not to rely on this report if it was:

- not prepared for you,
- not prepared for your Project,
- not prepared for the specific site explored, or
- completed before Project changes were made.

[1] Developed based on material provided by GBA, GeoProfessional Business Association; www.geoprofessional.org.

If changes to the Project or property occur after the date of this report, GeoEngineers cannot be responsible for any consequences of such changes in relation to this report unless we have been given the opportunity to review our interpretations and recommendations in the context of such changes. Based on that review, we can provide written modifications or confirmation, as appropriate.

Reliance Conditions for Third Parties

This report was prepared for the exclusive use of the party(ies) to whom this report is addressed. No other party may rely on the product of our services unless we agree to such reliance in advance and in writing. Within the limitations of the agreed Project scope, schedule and budget, our services have been executed in accordance with our Agreement with the Client and generally accepted environmental practices in this area at the time this report was prepared.

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in our scope of service, this report does not provide any geotechnical findings, conclusions, or recommendations, including but not limited to, the suitability of subsurface materials for construction purposes.

Do Not Separate Documentation from the Report

Environmental reports often include supplemental documentation, such as maps, figures and table. Do not separate such documentation from the report. Further, do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.

Environmental Regulations Change and Evolve

Some substances may be present in the vicinity of the subject property in quantities or under conditions that may have led, or may lead, to contamination of the subject property, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substances, change or if more stringent environmental standards are developed in the future.

Uncertainty May Remain Even After This Phase II ESA is Completed

Performance of a Phase II ESA is intended to reduce uncertainty regarding the potential for contamination in connection with a property, but no ESA can wholly eliminate that uncertainty. Our interpretation of subsurface conditions in this study is based on field observations and chemical analytical data from widely spaced sampling locations. It is always possible that contamination exists in areas that were not explored, sampled or analyzed.

Subsurface Conditions Can Change

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by man-made events such as construction on or adjacent to the subject property, by new releases of hazardous substances, new information or technology that become available subsequent to the report date, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Please contact GeoEngineers before

applying this report for its intended purpose so that GeoEngineers may evaluate whether changed conditions affect the continued applicability of the report.

Soil and Groundwater End Use

The cleanup levels referenced in this report are site- and situation-specific. The cleanup levels may not be applicable for other properties or for other on-site uses of the affected soil and/or groundwater. Note that hazardous substances may be present in some of the on-site soil and/or groundwater at detectable concentrations that are less than the referenced cleanup levels. GeoEngineers should be contacted prior to the export of soil or groundwater from the subject property or reuse of the affected soil or groundwater on-site to evaluate the potential for associated environmental liabilities. GeoEngineers will not assume responsibility for potential environmental liability arising out of the transfer of soil and/or groundwater from the subject property to another location, or the reuse of such soil and/or groundwater on-site in any instances that we did not recommend, know of, or control.

Most Environmental Findings Are Professional Opinions

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the subject property. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied its professional judgment to render an informed opinion about subsurface conditions throughout the property. Actual subsurface conditions may differ significantly from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

Biological Pollutants

GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants, and no conclusions or inferences should be drawn regarding Biological Pollutants as they may relate to this Project. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria and viruses, and/or any of their byproducts.

A Client that desires these specialized services is advised to obtain them from a consultant who offers services in this specialized field.

Information Provided by Others

GeoEngineers has relied upon certain data or information provided or compiled by others in the performance of our services. Although we use sources that we reasonably believe to be trustworthy, GeoEngineers cannot warrant or guarantee the accuracy or completeness of information provided or compiled by others.