

**Remedial Action Report**

Redondo Heights Apartments Project  
Federal Way, Washington

*for*  
**Shelter Resources, Inc.**

February 9, 2023



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**Federal Way, Washington**

**File No. 3625-004-01**

**February 9, 2023**

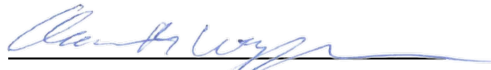
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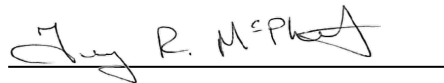
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## Table of Contents

<b>1.0 INTRODUCTION .....</b>	<b>1</b>
<b>2.0 GENERAL PROPERTY INFORMATION .....</b>	<b>1</b>
2.1. Property History and Current Use .....	1
<b>3.0 TSP SOIL SAMPLING SUMMARY .....</b>	<b>1</b>
<b>4.0 SUMMARY OF CLEANUP ACTION PLAN .....</b>	<b>2</b>
4.1. Cleanup Levels .....	3
<b>5.0 REMEDIAL ACTIONS .....</b>	<b>4</b>
5.1. Forest Duff Waste Characterization.....	4
5.2. Import Sampling.....	4
5.3. Cleanup Actions Performed within Each Remedial Area .....	5
5.3.1. DU1-08 – Mixing with Import Soil.....	5
5.3.2. DU1-14-DUFF and DU1-32-DUFF – Excavate and Off-Site Disposal .....	5
<b>6.0 CONFIRMATION SOIL SAMPLING - CHEMICAL ANALYTICAL RESULTS.....</b>	<b>5</b>
<b>7.0 CONCLUSIONS .....</b>	<b>6</b>
<b>8.0 LIMITATIONS .....</b>	<b>6</b>
<b>9.0 REFERENCES .....</b>	<b>6</b>

### LIST OF TABLES

- Table 1. Summary of Duff Export Chemical Analytical Results
- Table 2. Summary of Import Soil Chemical Analytical Results
- Table 3. Summary of Confirmation Soil Chemical Analytical Results – Arsenic

### LIST OF FIGURES

- Figure 1. Vicinity Map
- Figure 2. Site Map with Remedial Areas
- Figure 3. Confirmation Sample Locations - Remedial Area DU1-08

### APPENDICES

- Appendix A. Chemical Analytical Program
- Appendix B. Import and Export Weight Tickets
- Appendix C. Report Limitations and Guidelines for Use

## 1.0 INTRODUCTION

This Remedial Action Report (RAR) report was prepared for the Redondo Heights Apartments project located in Federal Way, Washington. The property consists of approximately 5 acres of undeveloped land. The approximate project boundaries are shown on the Vicinity Map, Figure 1.

The site will be developed into multi-family housing consisting of six buildings. The plan for site development includes approximately 2.1 acres of paved parking and roadways and approximately 1.7 acres of landscaping in addition to the proposed residential structures. The building layout and parking areas are shown on the Site Plan, Figure 2.

The site is located within Washington State Department of Ecology's (Ecology's) mapped footprint of the Tacoma Smelter Plume (TSP) where lead- and arsenic-contaminated soil from air fallout related to Asarco's historic operations are known to exist. The purpose of this RAR is to document and summarize cleanup actions implemented during construction of the new facility. This RAR report has been completed in general accordance with Ecology's TSP Model Remedies guidance (TSPMRG) document dated July 2019 (Ecology 2019).

## 2.0 GENERAL PROPERTY INFORMATION

The site is located south of South 276<sup>th</sup> Street about 600 feet east of Pacific Highway South (HWY 99) in Federal Way, Washington comprising approximately 5 acres of forested land on two King County parcels (parcel nos. 7204800172 and 7204800174). The site is considered one decision unit per the Ecology TSPMRG document.

The site is bounded by South 276<sup>th</sup> Street and the King County Transit Redondo Park and Ride to the north, a vacant tract of land to the east, the Silver Shadow Apartments complex to the west, and undeveloped private land to the south. The site topography is generally level with a low area crossing from west to east approximately in the middle of the northern half of the property. The City of Federal Way zoning for the site and the area to the south and east is designated as residential with single-family dwellings (Federal Way Zoning Designation RS7.2), the area to the west is designated as residential with multi-family dwellings (Federal Way Zoning Designation RM2400) area to the north is designated as Community Business (Federal Way Zoning Designation BC). The surrounding areas to the east and south are undeveloped and the areas to the north and west are developed.

### 2.1. Property History and Current Use

The property has been undeveloped throughout its history. Current site activities on the property were observed to be limited to homeless persons encampments.

## 3.0 TSP SOIL SAMPLING SUMMARY

Known chemicals of concern at the site include arsenic and lead related to the air fallout from Asarco's smelter operations. Subsurface soil investigations were performed initially to evaluate soil conditions at the site in February 2021 and to further evaluate the lateral and vertical extent of arsenic- and lead-

contaminated soil at the site in March 2021. The details of soil sampling and the analytical results are provided in the Soil Sampling and Analytical Results Summary (Appendix A) prepared by GeoEngineers Inc. (GeoEngineers) dated June 16, 2021.

Forty-eight soil samples were collected for chemical analysis of arsenic and lead from 32 locations at the subject property in accordance with the TSPMRG for a 5-acre property on February 24, 2021. The soil samples were collected from 0- to 6-inches below ground surface (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. A total of six follow-up samples were collected for chemical analysis to further delineate arsenic and lead in soil around one original sample location that exceeded the maximum threshold of 40 milligrams per kilogram (mg/kg) for arsenic. Elevated concentrations of arsenic were found to be confined to the upper 6 inches of soil in an area approximately 20 feet from east to west and 30 feet from north to south around the original sample location where arsenic exceeded the maximum threshold.

The results of the subsurface soil investigations indicate that soil is contaminated with arsenic on the site consistent with air fallout associated with historical Asarco Tacoma Smelter operations.

Arsenic was detected in soil at concentrations greater than the Model Toxics Control Act (MTCA) Method A unrestricted land use (ULU) cleanup level (20 mg/kg) in 9 of the 47 analyzed samples with a maximum concentration of 57 mg/kg in the sample identified as DU1-08-0-6 collected from 0- to 6-inches bgs. The average arsenic concentrations were calculated to be less than the TSPMRG average criteria of 20 mg/kg for the soil samples collected from each interval analyzed including: 0- to 6-inch (17 mg/kg) and 6- to 12-inch (10 mg/kg) depth intervals. Arsenic concentrations greater than 40 mg/kg were identified at two locations in the southwest quarter of the property. This location was identified as Remedial Area DU1-08 (see Figure 3).

Each sample of the forest duff comprised of 6-point composite samples from within eight 1,600-square foot areas spaced around the property. Arsenic was detected at concentrations greater than 20 mg/kg in two of the eight forest duff samples identified as DU1-14-Duff and DU1-32-Duff (20 mg/kg and 36 mg/kg, respectively). The average arsenic concentration from the duff was calculated to be less than the TSPMRG average criteria of 20 mg/kg at 12 mg/kg. The two areas associated with the duff samples DU1-14-Duff and DU1-32-Duff are shown on Figure 2.

Lead was either detected in soil at concentrations less than the MTCA Method A ULU cleanup level (250 mg/kg) or not detected greater than the laboratory reporting limits in the 48 soil samples submitted for analysis. The average lead concentrations calculated to be less than the TSPMRG average criteria of 250 mg/kg for the soil samples collected from each interval analyzed including: 0- to 6-inch (38 mg/kg) and 6- to 12-inch (19 mg/kg) depth intervals and the forest duff samples (41 mg/kg).

#### **4.0 SUMMARY OF CLEANUP ACTION PLAN**

A Cleanup Action Plan (CAP) was prepared to address TSP related arsenic-contaminated soil and duff at the site, identify the remedial cleanup alternatives and to identify cleanup standards and other requirements for cleanup of the site under Ecology's Voluntary Cleanup Program (VCP) and in general accordance with the requirements of the MTCA Cleanup Regulation, WAC, Chapter 173-340 and TSPMRG and the Asarco Smelter Site Final Interim Action Plan (IA) for the TSP (Ecology 2012). The CAP (dated

August 19, 2021) was developed using data from the previous investigations at the site, described in Section 3.0 of this report, that forms the basis for our understanding of the environmental conditions.

The IA Plan indicates Ecology completed a feasibility study to show that the model remedies are appropriate under certain conditions to meet State cleanup requirements. A feasibility study is not needed for properties under development if contamination is related to the TSP and one of the model remedies identified in the TSPMRG are selected as the cleanup alternative. The chemical of concern (COC) includes arsenic detected in shallow soil at the site ranging in depth from 0 to 12 inches bgs.

Three remedial areas have been identified within the Decision Unit 1 (DU1) area. The immediate area surrounding the arsenic-contaminated soil identified as sample location DU1-08, the duff material within two 80-foot by 80-foot areas centered on the forest duff sample locations identified as DU1-14-DUFF and DU1-32-DUFF. The primary CAP actions for the DU1 remedial areas shown on Figure 2 were selected and are outlined below.

- DU1-08 – Mixing with Import Soil
- DU1-14-DUFF – Removal and Off-site Disposal
- DU1-32-DUFF – Removal and Off-site Disposal

#### 4.1. Cleanup Levels

Cleanup levels were developed for the site in accordance with MTCA for the protection of human health. The MTCA Cleanup Regulations under Washington Administrative Code (WAC) 173-340-700(5)(a) and 173-340-704 states that MTCA Method A cleanup levels are protective of human health and are designed for cleanup actions that are relatively straightforward or involve only a few hazardous substances. Method A ULU cleanup levels may be used at sites that have few hazardous substances and that are undergoing a routine cleanup action as defined in WAC 173-340-200 and as specified in WAC 173-340-704(1) and 173-340-704(1)(a). Ecology provides remediation levels for arsenic in soil related to the TSP in Ecology’s TSPMRG document as shown in the table below. A remediation level is the level above which a hazardous substance in a medium (such as soil) where certain cleanup actions may be necessary. TSPMRG remediation levels are applicable to soil at the site.

Remediation Level Category	Arsenic
No Further Action	Average <20 mg/kg Maximum <40 mg/kg
Elevated	Average >20 mg/kg Maximum >40 mg/kg

Notes:

- Maximum = any single soil sample with arsenic result greater than 40 mg/kg arsenic
- mg/kg = milligram per kilogram
- > = greater than
- < = less than

## 5.0 REMEDIAL ACTIONS

Shelter Resources' general contractor for site development, GENCAP Construction Corp. provided an earthwork contractor, Iliad, Inc. to complete the remedial actions at the site on January 18 and 24, 2023. Representatives with GeoEngineers were on site to observe and document the completed remedial actions.

### 5.1. Forest Duff Waste Characterization

GeoEngineers collected three 6-point composite samples of the forest duff material within the two duff removal areas on December 21, 2022 to characterize the waste for disposal in accordance with the requirements of the selected disposal facility (Republic Services Roosevelt Landfill). The waste characterization samples were placed in a cooler with ice and transported to OnSite Environmental, Inc. (OnSite) in Redmond, Washington for chemical analysis. The waste characterization samples were submitted for chemical analysis of total Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium cadmium, chromium, lead, mercury, selenium and silver) by United States Environmental Protection Agency (EPA) Method 6000/7000 series.

Total arsenic was detected at concentrations less than the MTCA Method A ULU cleanup level in two of the three waste characterization samples. Total barium, chromium, and lead were detected at concentrations less than the MTCA Method A ULU cleanup levels in the three waste characterization samples. Total cadmium, mercury, selenium and silver were not detected at concentrations greater than the laboratory reporting limits in the three waste characterization samples.

Analytical results indicate that the selected export material appears acceptable for disposal at a RCRA Subtitle D landfill and are presented in Table 1, Summary of Duff Export Chemical Analytical Results. A copy of the analytical laboratory report is provided in Appendix A.

A Republic Services waste profile for off-site disposal was obtained based on the waste characterization samples for off-site disposal of arsenic-contaminated soil at the Roosevelt Regional Municipal Solid Waste Landfill located at 500 Roosevelt Grade Road, Washington. A copy of the profile is provided in Appendix B.

### 5.2. Import Sampling

One soil sample was collected of the selected import material prior to performing the remedial actions at the site. The contractor selected gravel borrow from CalPortland to be used as import for remedial activities. A representative with GeoEngineers traveled to the CalPortland yard pit located at 4002 West Marginal Way SW in Seattle, Washington on December 21, 2022, to collect one soil sample from the selected import material. The samples were placed in a cooler with ice and transported to the laboratory for chemical analysis.

The import soil sample was submitted for chemical analysis of gasoline-range petroleum hydrocarbons by Ecology-approved method NWTPH-Gx, diesel- and lube-oil-range petroleum hydrocarbons by Ecology-approved method NWTPH-Dx, benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA method 8260D, carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270E/SIM, polychlorinated biphenyls (PCBs) by EPA method 8082, pesticides (DDT, DDD, DDE) by EPA method 8081, and total metals (arsenic, cadmium, chromium, copper, mercury, lead and zinc) by EPA Method 6000/7000 series.

Gasoline-, diesel- and lube-oil-range petroleum hydrocarbons, BTEX, cPAHs, PCBs, pesticides (DDT, DDD, DDE), arsenic, cadmium, lead and mercury were not detected in the analyzed import soil sample. Chromium, copper, and zinc were detected at concentrations less than their respective MTCA Method A CULs or Method B criteria.

Analytical results indicate that the selected import material is acceptable for use on this project and are presented in Table 2, Summary of Import Soil Chemical Analytical Results. A copy of the analytical laboratory report is provided in Appendix A.

### **5.3. Cleanup Actions Performed within Each Remedial Area**

The three remedial areas (DU1-08, DU1-14 and DU1-32) located within Decision Unit DU1 were remediated following the selected model remedies summarized above in Section 4.0. Analytical results of the confirmation soil samples collected from the in-place mixing remedial area following remedial action are summarized in Table 2 and a copy of the analytical laboratory report is provided in Appendix A. The three remedial areas are presented on Figure 2 and the confirmation soil sample locations are presented on Figure 3. Import and export materials documentation is provided in Appendix B.

#### **5.3.1. DU1-08 – Mixing with Import Soil**

The contractor placed approximately 11 cubic yards of imported gravel borrow in a 6-inch lift over the DU1-08 remedial area presented on Figure 3. The approximate dimensions of the remedial area are 20 feet (east to west) by 30 feet (north to south). The contractor mixed the 6 inches of imported gravel borrow into the 12 inches of arsenic-contaminated soil within DU1-08 remedial area using a toothed-excavator bucket over the entire remedial area. The combined mixing depth totaled approximately 18 inches bgs. The volume of mixed soil within the DU1-08 remedial area totaled approximately 33 cubic yards.

The DU1-08 remedial area was divided in half along an east to west line following completion of the remedial action activities. Two 4-point composite confirmation soil samples were collected from each half from depth intervals of 0- to 6-inch bgs and 6- to 12-inch bgs, totaling four samples from the DU1-08 remedial area. The soil samples were analyzed for total arsenic by EPA Method 6010D.

#### **5.3.2. DU1-14-DUFF and DU1-32-DUFF – Excavate and Off-Site Disposal**

The forest duff removal was completed on January 24, 2023. The contractor excavated approximately 38.5 tons of the arsenic-contaminated forest duff material within the DU1-14-DUFF and DU1-32-DUFF remedial areas shown on Figure 2. The duff material was loaded into trucks for off-site disposal at the Republic Services Roosevelt Landfill. The approximate dimensions of each duff removal area was 80 feet (east to west) by 80 feet (north to south) centered on the original DU1-14-DUFF and DU1-32-DUFF sample locations for a total surface area of 1,280 square feet.

## **6.0 CONFIRMATION SOIL SAMPLING - CHEMICAL ANALYTICAL RESULTS**

Four confirmation soil samples were collected within remedial area DU1-08 and submitted for chemical analysis. The chemical analytical results are summarized in Table 3. The laboratory reports are provided in Appendix A.

Arsenic was detected at concentrations greater than the laboratory reporting limits in the four confirmation soil samples collected from the DU1-08 remedial area following remedial action. The average arsenic concentrations within the DU1-08 remedial area were calculated to be 8.6 mg/kg from the 0- to 6-inch depth interval and 8.2 mg/kg from the 6- to 12-inch depth interval. These arsenic concentrations are less than the MTCA Method A cleanup level of 20 mg/kg and the TSPMRG soil concentration screening levels for average and maximum arsenic of 20 mg/kg and 40 mg/kg, respectively.

Analytical results indicate that the mixing-in-place remedy was effective in reducing the arsenic concentrations within the DU1-08 remedial area. The results are presented in Table 3, Summary of Confirmation Soil Chemical Analytical Results - Arsenic. A copy of the analytical laboratory report is provided in Appendix A.

## **7.0 CONCLUSIONS**

Remedial actions were completed at the Redondo Heights property on January 18 and 24, 2023. Results of the confirmation soil samples collected within the excavation area following remediation indicate that the arsenic-contaminated soil has been effectively remediated within DU1-08 and the arsenic-contaminated forest duff has been removed from remedial areas DU1-08 and DU1-32. The arsenic-contaminated soil was managed in general accordance with the CAP dated August 19, 2021.

We are requesting a No Further Action (NFA) opinion from Ecology based on the results of the remedial actions.

## **8.0 LIMITATIONS**

This Remedial Action Report has been prepared for the exclusive use of Shelter Resources, Inc. Any use of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and written authorization by GeoEngineers, Inc., shall be at the user's sole risk. Any unauthorized use of (or reliance on) this report shall release GeoEngineers, from any liability resulting from such use (or reliance). Within the limitations of scope, schedule, and budget, GeoEngineers, Inc.'s respective services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. GeoEngineers, Inc. assumes no responsibility for any consequence arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available.

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

## **9.0 REFERENCES**

GeoEngineers, Inc., 1 2021. "Soil Sampling and Analytical Results Summary, Tacoma Smelter Plume Sampling, Redondo Heights Apartments, Federal Way, Washington" June 16, 2021.

GeoEngineers, Inc., 2021. "Cleanup Action Plan, Redondo Heights Apartments Project, Federal Way, Washington" August 19, 2021.

Washington State Department of Ecology, 2019. "Tacoma Smelter Plume Model Remedies Guidance, Sampling and Cleanup of Arsenic and Lead Contaminated Soils for: Formal Cleanup Sites, Voluntary Cleanup Program, Properties Under Development, Projects Involving Soil Movement." Ecology Toxics Cleanup Program. Publication number 19-09-101. June 2012, Updated July 2019.

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.

**Table 1**  
**Summary of Duff Export Sampling Chemical Analytical Results<sup>1</sup>**  
 Redondo Heights Apartments Project  
 Federal Way, Washington

Waste Profile Sample Identification	DP1-22-12-21	DP1-22-12-22	DP1-22-12-23	MTCA Method A Cleanup Level <sup>3</sup>
<b>Metals<sup>2</sup> (mg/kg)</b>				
Arsenic	15 U	<b>16</b>	<b>15</b>	20
Barium	<b>81</b>	<b>100</b>	<b>120</b>	1,600 <sup>3</sup>
Cadmium	0.77 U	1.0 U	0.75 U	2.0
Chromium	<b>16</b>	<b>21</b>	<b>21</b>	2,000 <sup>4</sup>
Lead	<b>48</b>	<b>40</b>	<b>45</b>	250
Mercury	0.39 U	0.52 U	0.38 U	2.0
Selenium	15 U	10 U	15 U	400 <sup>3</sup>
Silver	1.5 U	2.1 U	1.5 U	400 <sup>3</sup>

**Notes:**

<sup>1</sup> Chemical analysis performed by OnSite Environmental, Inc., of Redmond, Washington.

<sup>2</sup> Resource Conservation Recovery Act (RCRA) metals analyzed by United States Environmental Protection Agency (EPA) 6000/7000 series method.

<sup>3</sup> Method B cleanup level shown if no Method A cleanup level is established. The MTCA Method B cleanup level shown is the lowest for either carcinogen or non-carcinogen, based on direct contact.

<sup>4</sup> MTCA Method A cleanup level for Trivalent Chromium.

mg/kg = milligram per kilogram

RCRA = Resource Conservation Recovery Act

MTCA = Model Toxics Control Act

Ecology = Washington State Department of Ecology

ULU = Unrestricted Land Use

N/A = Not applicable

U = Analyte was not detected at or greater than the listed reporting limit

**Bold** font type indicates that the analyte was detected at a concentration greater than the respective laboratory reporting limit.

**Table 2**  
**Summary of Import Soil Chemical Analytical Results<sup>1</sup>**  
 Redondo Heights Apartments Project  
 Federal Way, Washington

Import Sample Identification	IMPORT-22-12-21	MTCA Method A Cleanup Level <sup>12</sup>	Naturally Occurring Background Metals in Puget Sound Soils <sup>16</sup>
<b>NWTPH-Gx<sup>2</sup> (mg/kg)</b>			
Gasoline-range hydrocarbons	5.3 U	30/100 <sup>13</sup>	N/A
<b>NWTPH-Dx<sup>3</sup> (mg/kg)</b>			
Diesel-range hydrocarbons	26 U	2,000 <sup>14</sup>	N/A
Lube oil-range hydrocarbons	52 U		
<b>Metals<sup>4</sup> (mg/kg)</b>			
Arsenic	10 U	20	7
Cadmium	0.52 U	2.0	1
Chromium	13	2,000 <sup>15</sup>	48
Copper	15	3200 <sup>12</sup>	36
Lead	5.2 U	250	24
Mercury	0.26	2.0	0.07
Zinc	12	24,000 <sup>12</sup>	85
<b>PCB Aroclors<sup>5</sup> (mg/kg)</b>			
PCB-Aroclor 1016	0.052 U	MTCA ULU cleanup level for the sum of all PCBs is 1 mg/kg	N/A
PCB-Aroclor 1221	0.052 U		
PCB-Aroclor 1232	0.052 U		
PCB-Aroclor 1242	0.052 U		
PCB-Aroclor 1248	0.052 U		
PCB-Aroclor 1254	0.052 U		
PCB-Aroclor 1260	0.052 U		
Total PCB Aroclors <sup>6</sup>	0.052 U		
<b>Organochlorine Pesticides<sup>7</sup> (µg/kg)</b>			
4,4'-DDE	10 U	2.9 <sup>12</sup>	N/A
4,4'-DDD	10 U	4.2 <sup>12</sup>	
4,4'-DDT	10 U	3.0	
<b>VOCs<sup>8</sup> (mg/kg)</b>			
Benzene	0.00099 U	0.03	N/A
Ethylbenzene	0.0049 U	6.0	
Toluene	0.00099 U	7.0	
Total Xylenes <sup>9</sup>	0.00299 U	9.0	
<b>PAHs<sup>10</sup> (mg/kg)</b>			
Benzo(a)anthracene	0.0070 U	MTCA ULU cleanup level for the sum of all cPAHs is 0.1 mg/kg	N/A
Benzo(a)pyrene	0.0070 U		
Benzo(b)fluoranthene	0.0070 U		
Benzo(j,k)fluoranthene	0.0070 U		
Chrysene	0.0070 U		
Dibenzo(a,h)anthracene	0.0070 U		
Indeno(1,2,3-c,d)pyrene	0.0070 U	0.1	N/A
cPAHs (benzo(a)pyrene toxicity equivalent concentration) <sup>11</sup>	0.0053 U		

**Notes:**

- <sup>1</sup> Chemical analysis performed by OnSite Environmental, Inc., of Redmond, Washington.
  - <sup>2</sup> Gasoline-range petroleum hydrocarbons by Northwest Method NWTPH-Gx.
  - <sup>3</sup> Diesel- and lube oil-range petroleum hydrocarbons by Northwest Method NWTPH-Dx.
  - <sup>4</sup> Total metals analyzed by United States Environmental Protection Agency (EPA) 6000/7000 series method.
  - <sup>5</sup> Polychlorinated biphenyls (PCBs) analyzed by EPA Method 8082A.
  - <sup>6</sup> Total PCB Aroclors consists of PCB Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260.
  - <sup>7</sup> Organochlorine Pesticides analyzed by EPA Method 8081B.
  - <sup>8</sup> Volatile organic compounds (VOCs) analyzed by United States Environmental Protection Agency (EPA) Method 8260C.
  - <sup>9</sup> Total xylenes consists of m,p- and o- xylenes. The higher detection limit is used for non-detects.
  - <sup>10</sup> Polycyclic aromatic hydrocarbons (PAHs) and carcinogenic PAHs (cPAHs) analyzed by EPA Method 8270D/SIM.
  - <sup>11</sup> Results for cPAHs are shown as the sum of the benzo[a]pyrene toxicity equivalent concentrations, calculated by multiplying each individual cPAH concentration by its corresponding TEF. In this sum, non-detects are represented as ½ of the corresponding analyte reporting limit multiplied by the TEF.
  - <sup>12</sup> Method B cleanup level shown if no Method A cleanup level is established. The MTCA Method B cleanup level shown is the lowest for either carcinogen or non-carcinogen, based on direct contact.
  - <sup>13</sup> Model Toxics Control Act (MTCA) Method A cleanup level for gasoline is 30 mg/kg if benzene is detected or if the sum of toluene, ethylbenzene and xylenes are greater than or equal to 1% of the total gasoline detection.
  - <sup>14</sup> MTCA Method A cleanup level is the sum of diesel- and lube oil-range petroleum hydrocarbons.
  - <sup>15</sup> MTCA Method A cleanup level for Trivalent Chromium.
  - <sup>16</sup> 90th percentile for natural background soil metals concentrations in Puget Sound region, Ecology, publication #94-115, dated October 1994.
- mg/kg = milligram per kilogram      ULU = Unrestricted Land Use      EPA = United States Environmental Protection Agency  
µg/kg = microgram per kilogram      PCBs = Polychlorinated biphenyls      Ecology = Washington State Department of Ecology  
MTCA = Model Toxics Control Act      VOCs = Volatile organic compounds      PAHs = Polycyclic aromatic hydrocarbons  
N/A = Not applicable      cPAHs = carcinogenic PAHs      RCRA = Resource Conservation Recovery Act
- U = Analyte was not detected at or greater than the listed reporting limit  
TEF = Toxicity Equivalency Factor as defined in WAC 173-340-900 Table 708-2
- Bold** font type indicates that the analyte was detected at a concentration greater than the respective laboratory reporting limit.

### Table 3

**Summary of Confirmation Soil Chemical Analytical Results<sup>1</sup> - Arsenic**  
**Redondo Heights Apartments Project**  
**Federal Way, Washington**

Remedial Area	Remedial Action	In-Place Mixing Depth (feet)	Surface Area of Mixing Zone (square feet)	Volume (cubic feet)	Volume (cubic yards)	Sample ID	Soil Depth (inches bgs)	Corresponding Sample ID	Arsenic <sup>2</sup> (mg/kg)	Average Arsenic (mg/kg)
DU1-08	Imported 6-inches of clean fill and mixed into lower 12-inches of in-place arsenic-contaminated soil	1.5	600	900	33	1	0 to 6	DU1-08-1-0-6	9.9	8.6
						2		DU1-08-2-0-6	7.3	
						1	6 to 12	DU1-08-1-6-12	9	8.2
						2		DU1-08-2-6-12	7.3	
<b>MTCA Method A ULU Cleanup Level</b>									20	N/A
<b>TSPMRG Maximum Criteria</b>									40	20

**Notes:**

<sup>1</sup> Chemical analysis was performed by OnSite Environmental, Inc., of Redmond, Washington.

<sup>2</sup> Metals analyzed by United States Environmental Protection Agency (EPA) Method 6010D.

bgs = below ground surface

mg/kg = milligram per kilogram

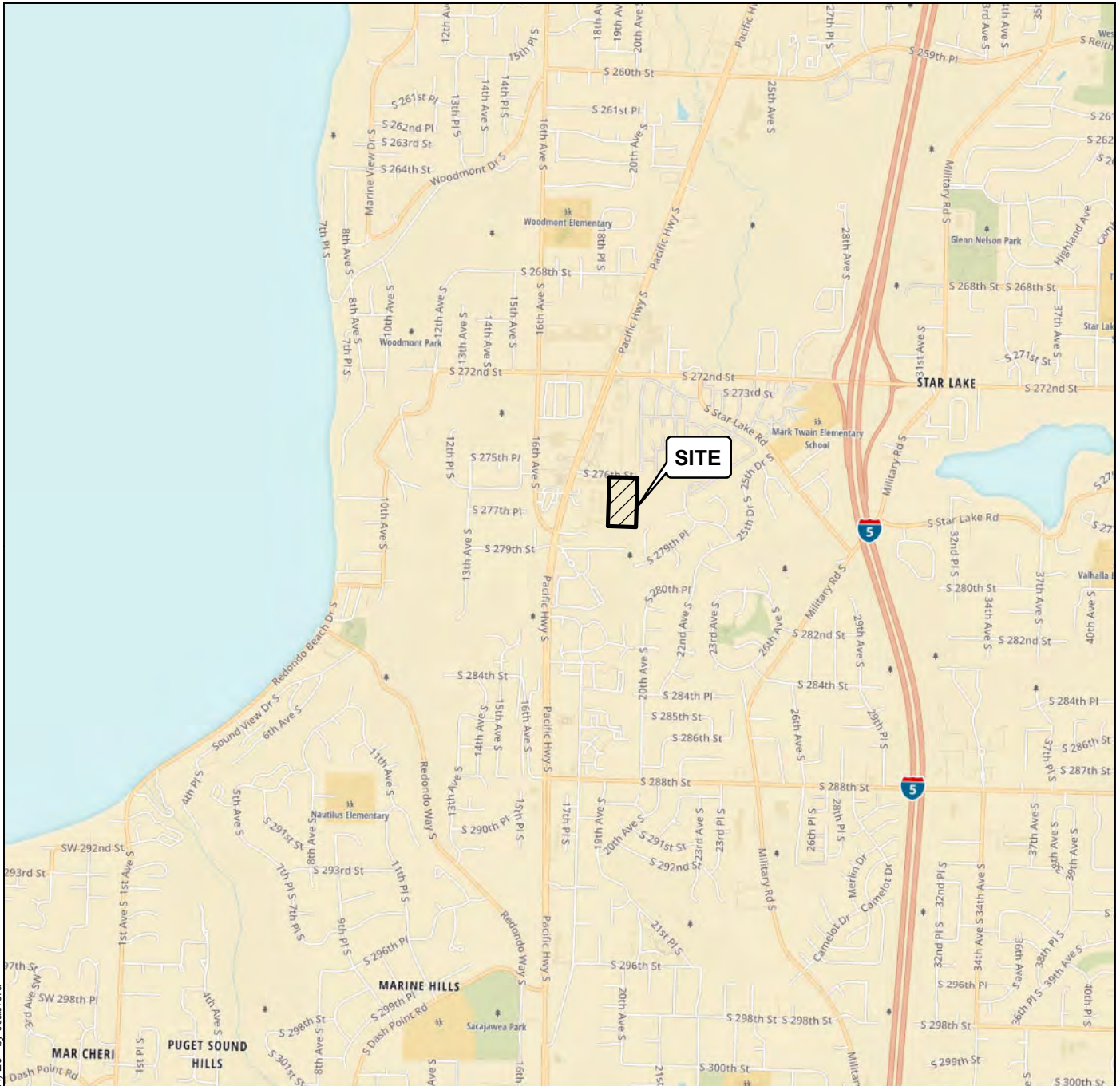
DU = Decision Unit

N/A = Not Applicable

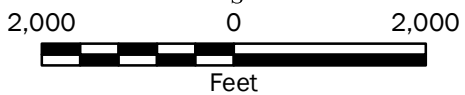
MTCA = Model Toxics Control Act

ULU = Unrestricted Land Use

TSPMRG = Tacoma Smelter Plume Model Remedy Guidance



P:\3\3625004\GIS\MXD\362500400\_F01\_VicinityMap.mxd Date Exported: 08/14/20 by ccabrera



**Notes:**

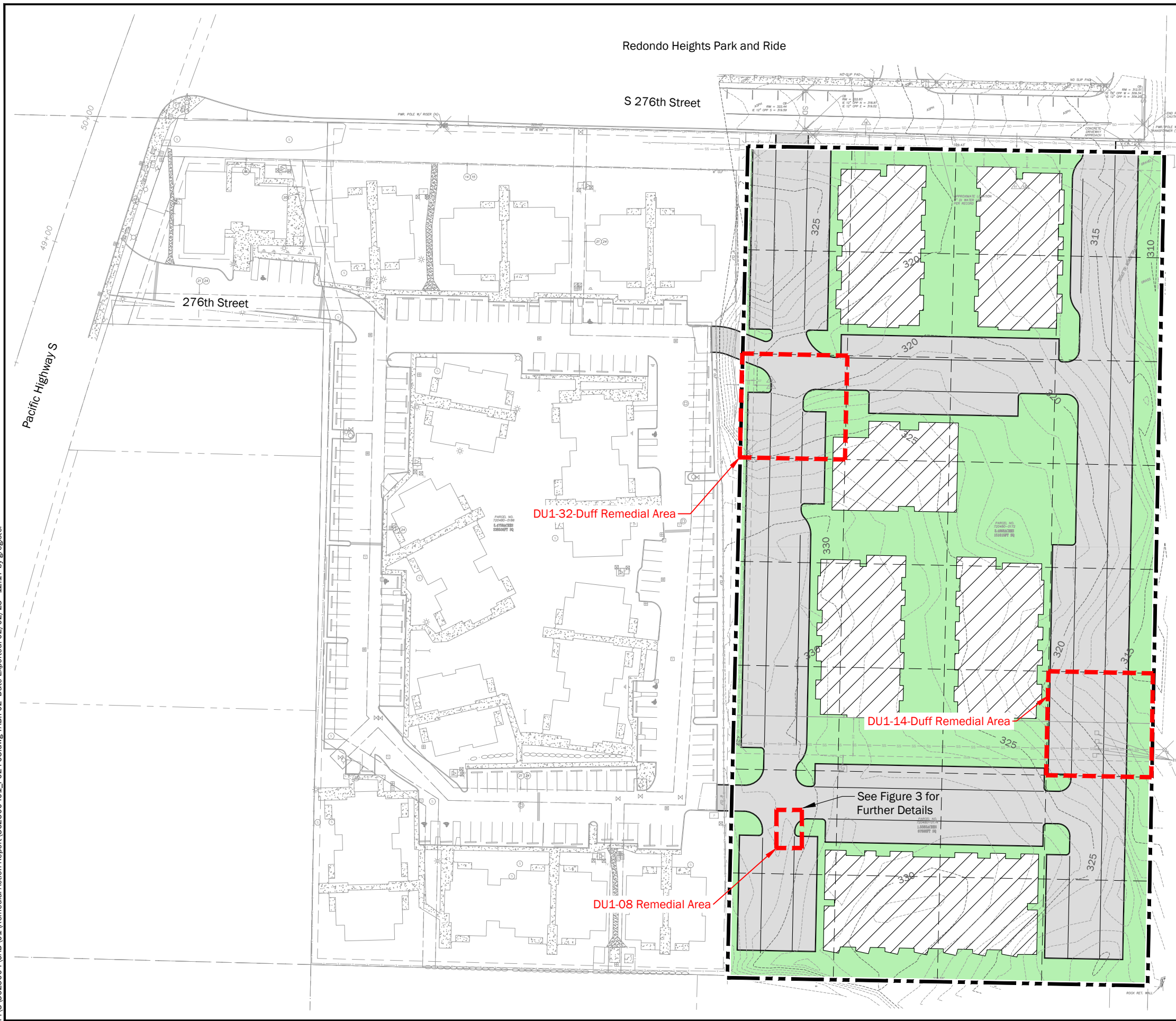
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers,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

<b>Vicinity Map</b>	
<b>Redondo Heights Apartments Federal Way, Washington</b>	
	<b>Figure 1</b>




P:\3625004\CAD\01\Remedial Action Report\362500401\_F02-F03.dwg TAB:F02 Date Exported: 02/02/23 - 12:17 by gregster



**Legend**

-  Site Boundary
-  Remedial Areas

**Proposed Layout of Tacoma Behavioral Health**

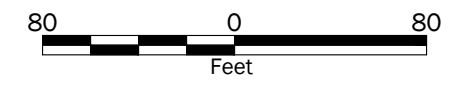
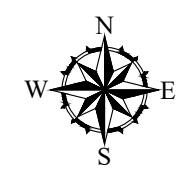
-  Proposed Building Footprint
-  Proposed Pavement Area
-  Proposed Landscaping Area


**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.

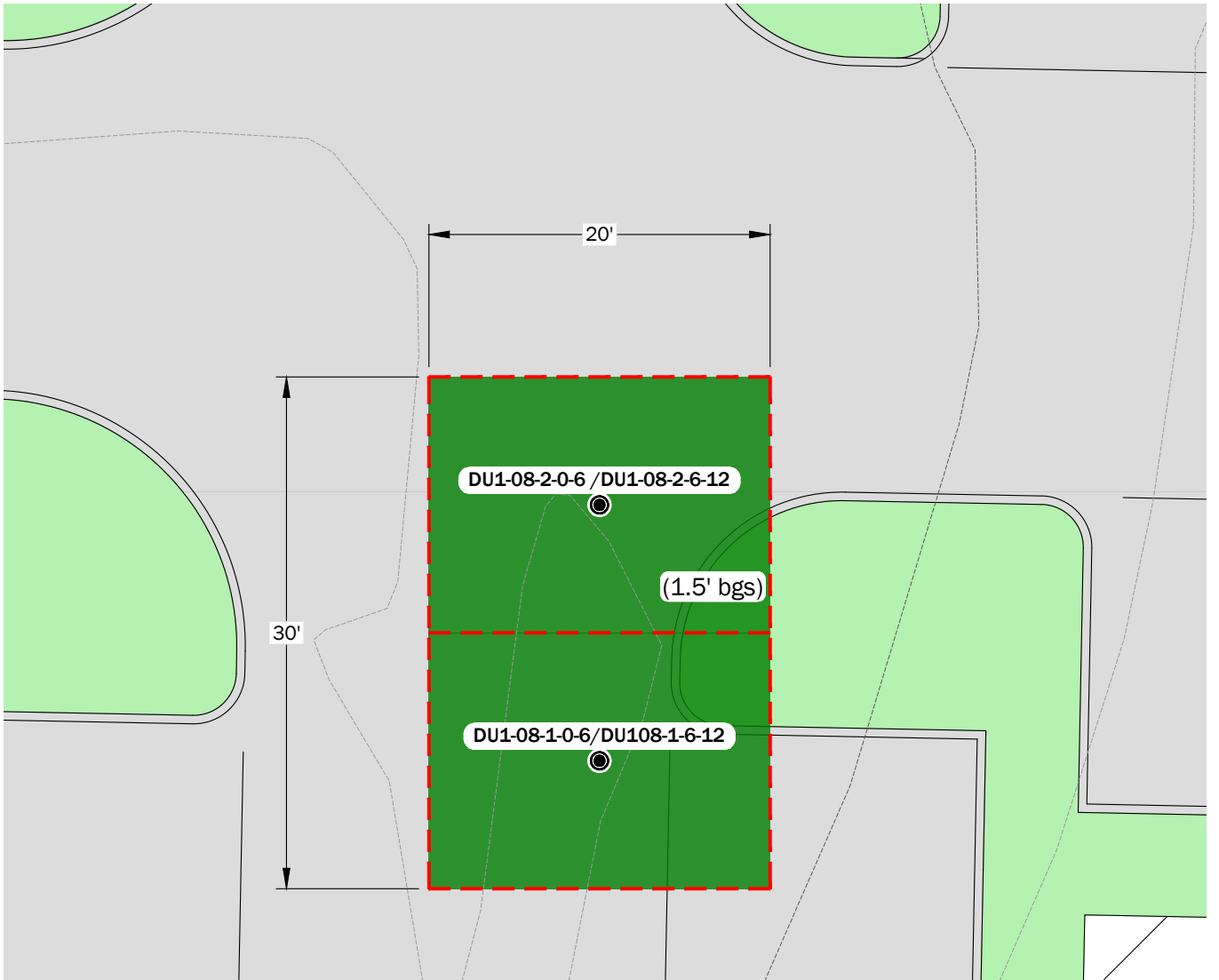
Data Source: Background data from kpfh dated 07/22/20.

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



<b>Site Map with Remedial Areas</b>	
Redondo Heights Apartments Federal Way, Washington	
	<b>Figure 2</b>

P:\3\3625004\CAD\01\Remedial Action Report\362500401\_F02-F03.dwg TAB:F03 Date Exported: 02/02/23 - 13:04 by gregister



**Legend**

DU1-08-1-0-6  
DU1-08-1-6-12 ● 0" to 6" bgs and 6" to 12" bgs Confirmation Soil Sample Location

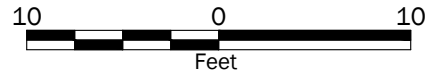
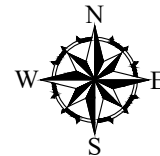
Remedial Area DU1-08 Arsenic Contaminated  
Soil mixed with import soil to the depth shown. Compliance Samples collected for chemical analysis following mixing.

(1.5' bgs) Remedial Area Mixing Depth in feet below ground surface

bgs = below ground surface

Proposed Layout of Redondo Heights Apartments

- Proposed Building Footprint
- Proposed Pavement Area
- Proposed Landscaping Area



**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 kpf dated 07/22/20.

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

**Confirmation Sample Locations -  
Remedial Area DU1-08**

Redondo Heights Apartments  
Federal Way, Washington



**Figure 3**

**APPENDIX A**  
**Chemical Analytical Program**



14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

December 28, 2022

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

Re: Analytical Data for Project 3625-004-01  
Laboratory Reference No. 2212-229

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 21, 2022.

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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures



---

OnSite Environmental, Inc. 14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-229  
Project: 3625-004-01

### Case Narrative

Samples were collected on December 21, 2022 and received by the laboratory on December 21, 2022. 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: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-229  
Project: 3625-004-01

### ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP1-22-12-21	12-229-01	Soil	12-21-22	12-21-22	
DP2-22-12-21	12-229-02	Soil	12-21-22	12-21-22	
DP3-22-12-21	12-229-03	Soil	12-21-22	12-21-22	



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-229  
 Project: 3625-004-01

**TOTAL METALS  
 EPA 6010D/7471B**

Matrix: Soil  
 Units: mg/Kg (ppm)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>DP1-22-12-21</b>					
Laboratory ID:	12-229-01					
Arsenic	ND	15	EPA 6010D	12-22-22	12-22-22	
Barium	81	3.9	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	0.77	EPA 6010D	12-22-22	12-22-22	
Chromium	16	0.77	EPA 6010D	12-22-22	12-22-22	
Lead	48	7.7	EPA 6010D	12-22-22	12-22-22	
Mercury	ND	0.39	EPA 7471B	12-27-22	12-27-22	
Selenium	ND	15	EPA 6010D	12-22-22	12-22-22	
Silver	ND	1.5	EPA 6010D	12-22-22	12-22-22	

<b>Client ID:</b>	<b>DP2-22-12-21</b>					
Laboratory ID:	12-229-02					
Arsenic	16	10	EPA 6010D	12-22-22	12-22-22	
Barium	100	5.2	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	1.0	EPA 6010D	12-22-22	12-22-22	
Chromium	21	1.0	EPA 6010D	12-22-22	12-22-22	
Lead	40	10	EPA 6010D	12-22-22	12-22-22	
Mercury	ND	0.52	EPA 7471B	12-27-22	12-27-22	
Selenium	ND	10	EPA 6010D	12-22-22	12-22-22	
Silver	ND	2.1	EPA 6010D	12-22-22	12-22-22	

<b>Client ID:</b>	<b>DP3-22-12-21</b>					
Laboratory ID:	12-229-03					
Arsenic	15	15	EPA 6010D	12-22-22	12-22-22	
Barium	120	3.8	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	0.75	EPA 6010D	12-22-22	12-22-22	
Chromium	21	0.75	EPA 6010D	12-22-22	12-22-22	
Lead	45	7.5	EPA 6010D	12-22-22	12-22-22	
Mercury	ND	0.38	EPA 7471B	12-27-22	12-27-22	
Selenium	ND	15	EPA 6010D	12-22-22	12-22-22	
Silver	ND	1.5	EPA 6010D	12-22-22	12-22-22	



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-229  
 Project: 3625-004-01

**TOTAL METALS  
 EPA 6010D/7471B  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1222SM1					
Arsenic	ND	5.0	EPA 6010D	12-22-22	12-22-22	
Barium	ND	2.5	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	0.50	EPA 6010D	12-22-22	12-22-22	
Chromium	ND	0.50	EPA 6010D	12-22-22	12-22-22	
Lead	ND	5.0	EPA 6010D	12-22-22	12-22-22	
Selenium	ND	5.0	EPA 6010D	12-22-22	12-22-22	
Silver	ND	1.0	EPA 6010D	12-22-22	12-22-22	

Laboratory ID:	MB1227S1					
Mercury	ND	0.25	EPA 7471B	12-27-22	12-27-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	12-174-07							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	NA	20
Barium	55.7	52.9	NA	NA	NA	NA	5	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	23.9	21.1	NA	NA	NA	NA	12	20
Lead	53.7	49.0	NA	NA	NA	NA	9	20
Selenium	ND	ND	NA	NA	NA	NA	NA	20
Silver	ND	ND	NA	NA	NA	NA	NA	20

Laboratory ID:	12-174-08							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

**MATRIX SPIKES**

Laboratory ID:	12-174-07									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	88.0	86.9	100	100	ND	88	87	75-125	1	20
Barium	154	154	100	100	55.7	99	98	75-125	0	20
Cadmium	46.6	46.2	50.0	50.0	ND	93	92	75-125	1	20
Chromium	112	116	100	100	23.9	88	93	75-125	4	20
Lead	284	280	250	250	53.7	92	91	75-125	2	20
Selenium	84.4	85.2	100	100	ND	84	85	75-125	1	20
Silver	20.1	19.8	25.0	25.0	ND	80	79	75-125	2	20

Laboratory ID:	12-174-08									
Mercury	0.518	0.514	0.500	0.500	0.0257	99	98	80-120	1	20



OnSite Environmental, Inc. 14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-229  
Project: 3625-004-01

**% MOISTURE**

<b>Client ID</b>	<b>Lab ID</b>	<b>% Moisture</b>	<b>Date Analyzed</b>
DP1-22-12-21	12-229-01	35	12-22-22
DP2-22-12-21	12-229-02	51	12-22-22
DP3-22-12-21	12-229-03	34	12-22-22





### 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.
  - X2 - Sample extract treated with a 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.
  - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
  - 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) 835-3881 • www.onsite-env.com

# Chain of Custody

Turnaround Request  
(In working days)

(Check One)

- Same Day     1 Day  
 2 Days     3 Days  
 Standard (7 Days)

\_\_\_\_\_ (other)

Date Sampled    Time Sampled    Matrix

Number of Containers

Laboratory Number: **12-229**

NWTPH-HCID	
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/> )	
NWTPH-Gx	
NWTPH-Dx (Acid / SG Clean-up <input type="checkbox"/> )	
Volatiles 8260	
Halogenated Volatiles 8260	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270/SIM (with low-level PAHs)	
PAHs 8270/SIM (low-level)	
PCBs 8082	
Organochlorine Pesticides 8081	
Organophosphorus Pesticides 8270/SIM	
Chlorinated Acid Herbicides 8151	
Total RCRA Metals	X
Total MTCA Metals	X
TCLP Metals	
HEM (oil and grease) 1664	
% Moisture	1

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	DP1-22-12-21	12/21/22	1125	Soil	1
2	DP2-22-12-21		1130		1
3	DP3-22-12-21		1140		1

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		GeoEngineers	12/21/22	1450	
Received		ALPHA	12/21	1950	
Relinquished		ALPHA	12/21	4:30	
Received		BBE	12/21/22	1630	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			

Data Package: Standard  Level III  Level IV

Chromatograms with final report  Electronic Data Deliverables (EDDs)



14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

December 28, 2022

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

Re: Analytical Data for Project 3625-004-01  
Laboratory Reference No. 2212-230

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 21, 2022.

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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures



---

OnSite Environmental, Inc. 14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-230  
Project: 3625-004-01

### Case Narrative

Samples were collected on December 21, 2022 and received by the laboratory on December 21, 2022. 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.

#### Organochlorine Pesticides by EPA 8081B Analysis

The surrogate recovery for TCMX for the Method Blank (112%) was above the quality control limits of 35-110%. Due to the fact that the method blank and sample were non-detect, no further action was performed.

The RPD for 4,4'-DDT in the Matrix Spike/Matrix Spike Duplicate was above its quality control limit. All other analyte recoveries and RPDs were within quality control limits and the sample was non-detect; therefore no further action was performed.

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: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-230  
Project: 3625-004-01

**ANALYTICAL REPORT FOR SAMPLES**

<b>Client ID</b>	<b>Laboratory ID</b>	<b>Matrix</b>	<b>Date Sampled</b>	<b>Date Received</b>	<b>Notes</b>
IMPORT-22-12-21	12-230-01	Soil	12-21-22	12-21-22	



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**GASOLINE RANGE ORGANICS**  
**NWTPH-Gx**

Matrix: Soil  
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>IMPORT-22-12-21</b>					
Laboratory ID:	12-230-01					
Gasoline	<b>ND</b>	5.3	NWTPH-Gx	12-26-22	12-26-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	76	69-130				



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

### VOLATILE ORGANICS EPA 8260D

Matrix: Soil  
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>IMPORT-22-12-21</b>					
Laboratory ID:	12-230-01					
Benzene	ND	0.00099	EPA 8260D	12-26-22	12-26-22	
Toluene	ND	0.0049	EPA 8260D	12-26-22	12-26-22	
Ethylbenzene	ND	0.00099	EPA 8260D	12-26-22	12-26-22	
m,p-Xylene	ND	0.0020	EPA 8260D	12-26-22	12-26-22	
o-Xylene	ND	0.00099	EPA 8260D	12-26-22	12-26-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-130</i>				
<i>Toluene-d8</i>	<i>106</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>71-130</i>				



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**DIESEL AND HEAVY OIL RANGE ORGANICS  
 NWTPH-Dx**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>IMPORT-22-12-21</b>					
Laboratory ID:	12-230-01					
Diesel Range Organics	<b>ND</b>	26	NWTPH-Dx	12-27-22	12-27-22	
Lube Oil Range Organics	<b>ND</b>	52	NWTPH-Dx	12-27-22	12-27-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**PAHs EPA 8270E/SIM**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>IMPORT-22-12-21</b>					
Laboratory ID:	12-230-01					
Benzo[a]anthracene	ND	0.0070	EPA 8270E/SIM	12-27-22	12-27-22	
Chrysene	ND	0.0070	EPA 8270E/SIM	12-27-22	12-27-22	
Benzo[b]fluoranthene	ND	0.0070	EPA 8270E/SIM	12-27-22	12-27-22	
Benzo(j,k)fluoranthene	ND	0.0070	EPA 8270E/SIM	12-27-22	12-27-22	
Benzo[a]pyrene	ND	0.0070	EPA 8270E/SIM	12-27-22	12-27-22	
Indeno(1,2,3-c,d)pyrene	ND	0.0070	EPA 8270E/SIM	12-27-22	12-27-22	
Dibenz[a,h]anthracene	ND	0.0070	EPA 8270E/SIM	12-27-22	12-27-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	68	42 - 116				
<i>Pyrene-d10</i>	76	41 - 116				
<i>Terphenyl-d14</i>	75	49 - 130				



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**PCBs EPA 8082A**

Matrix: Soil  
 Units: mg/Kg (ppm)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>IMPORT-22-12-21</b>					
Laboratory ID:	12-230-01					
Aroclor 1016	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1221	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1232	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1242	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1248	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1254	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1260	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1262	ND	0.052	EPA 8082A	12-27-22	12-28-22	
Aroclor 1268	ND	0.052	EPA 8082A	12-27-22	12-28-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	99	53-127				



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>IMPORT-22-12-21</b>					
Laboratory ID:	12-230-01					
4,4'-DDE	ND	10	EPA 8081B	12-27-22	12-28-22	
4,4'-DDD	ND	10	EPA 8081B	12-27-22	12-28-22	
4,4'-DDT	ND	10	EPA 8081B	12-27-22	12-28-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control limits</i>				
<i>Tetrachloro-m-xylene</i>	91	35-110				
<i>Decachlorobiphenyl</i>	85	32-122				



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**TOTAL METALS  
 EPA 6010D/7471B**

Matrix: Soil  
 Units: mg/Kg (ppm)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>IMPORT-22-12-21</b>					
Laboratory ID:	12-230-01					
Arsenic	<b>ND</b>	10	EPA 6010D	12-22-22	12-22-22	
Cadmium	<b>ND</b>	0.52	EPA 6010D	12-22-22	12-22-22	
Chromium	<b>13</b>	0.52	EPA 6010D	12-22-22	12-22-22	
Copper	<b>15</b>	1.0	EPA 6010D	12-22-22	12-22-22	
Lead	<b>ND</b>	5.2	EPA 6010D	12-22-22	12-22-22	
Mercury	<b>ND</b>	0.26	EPA 7471B	12-27-22	12-27-22	
Zinc	<b>12</b>	2.6	EPA 6010D	12-22-22	12-22-22	



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**GASOLINE RANGE ORGANICS  
 NWTPH-Gx  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1226S2					
Gasoline	<b>ND</b>	5.0	NWTPH-Gx	12-26-22	12-26-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	69-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	12-240-01							
	ORIG	DUP						
Gasoline	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	93	69-130		



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**VOLATILE ORGANICS EPA 8260D  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB1226S1					
Benzene	ND	0.0010	EPA 8260D	12-26-22	12-26-22	
Toluene	ND	0.0050	EPA 8260D	12-26-22	12-26-22	
Ethylbenzene	ND	0.0010	EPA 8260D	12-26-22	12-26-22	
m,p-Xylene	ND	0.0020	EPA 8260D	12-26-22	12-26-22	
o-Xylene	ND	0.0010	EPA 8260D	12-26-22	12-26-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>75-130</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>71-130</i>				

<b>Analyte</b>	<b>Result</b>		<b>Spike Level</b>		<b>Percent Recovery</b>		<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limit</b>	<b>Flags</b>
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB1226S1									
	SB	SBD	SB	SBD	SB	SBD				
Benzene	<b>0.0574</b>	<b>0.0526</b>	0.0500	0.0500	115	105	80-122	9	18	
Toluene	<b>0.0524</b>	<b>0.0517</b>	0.0500	0.0500	105	103	80-120	1	18	
Ethylbenzene	<b>0.0509</b>	<b>0.0537</b>	0.0500	0.0500	102	107	80-120	5	15	
m,p-Xylene	<b>0.101</b>	<b>0.105</b>	0.100	0.100	101	105	80-120	4	15	
o-Xylene	<b>0.0516</b>	<b>0.0537</b>	0.0500	0.0500	103	107	80-120	4	15	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					<i>105</i>	<i>102</i>	<i>75-130</i>			
<i>Toluene-d8</i>					<i>108</i>	<i>107</i>	<i>78-128</i>			
<i>4-Bromofluorobenzene</i>					<i>91</i>	<i>98</i>	<i>71-130</i>			



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**DIESEL AND HEAVY OIL RANGE ORGANICS  
 NWTPH-Dx  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1227S1					
Diesel Range Organics	<b>ND</b>	25	NWTPH-Dx	12-27-22	12-27-22	
Lube Oil Range Organics	<b>ND</b>	50	NWTPH-Dx	12-27-22	12-27-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	12-152-05							
	ORIG	DUP						
Diesel Range	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	NA
Lube Oil	<b>70.6</b>	<b>56.4</b>	NA	NA	NA	NA	22	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				70	71	50-150		



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**PAHs EPA 8270E/SIM  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1227S1					
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	12-27-22	12-27-22	
Chrysene	ND	0.0067	EPA 8270E/SIM	12-27-22	12-27-22	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	12-27-22	12-27-22	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	12-27-22	12-27-22	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	12-27-22	12-27-22	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270E/SIM	12-27-22	12-27-22	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	12-27-22	12-27-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	75	42 - 116				
<i>Pyrene-d10</i>	77	41 - 116				
<i>Terphenyl-d14</i>	75	49 - 130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>MATRIX SPIKES</b>								
Laboratory ID:	12-176-03							
	MS	MSD	MS	MSD	MS	MSD		
Benzo[a]anthracene	<b>0.0660</b>	<b>0.0622</b>	0.0833	0.0833	ND	79 75	49 - 137	6 33
Chrysene	<b>0.0720</b>	<b>0.0687</b>	0.0833	0.0833	ND	86 82	48 - 136	5 30
Benzo[b]fluoranthene	<b>0.0708</b>	<b>0.0679</b>	0.0833	0.0833	ND	85 82	48 - 141	4 32
Benzo(j,k)fluoranthene	<b>0.0696</b>	<b>0.0648</b>	0.0833	0.0833	ND	84 78	48 - 141	7 32
Benzo[a]pyrene	<b>0.0693</b>	<b>0.0651</b>	0.0833	0.0833	ND	83 78	48 - 140	6 32
Indeno(1,2,3-c,d)pyrene	<b>0.0776</b>	<b>0.0734</b>	0.0833	0.0833	ND	93 88	47 - 139	6 28
Dibenz[a,h]anthracene	<b>0.0768</b>	<b>0.0728</b>	0.0833	0.0833	ND	92 87	51 - 133	5 24
<i>Surrogate:</i>								
<i>2-Fluorobiphenyl</i>						77 70	42 - 116	
<i>Pyrene-d10</i>						88 82	41 - 116	
<i>Terphenyl-d14</i>						84 78	49 - 130	



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**PCBs EPA 8082A  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1227S1					
Aroclor 1016	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1221	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1232	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1242	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1248	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1254	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1260	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1262	ND	0.050	EPA 8082A	12-27-22	12-28-22	
Aroclor 1268	ND	0.050	EPA 8082A	12-27-22	12-28-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	110	53-127				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>MATRIX SPIKES</b>											
Laboratory ID:	12-150-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.394	0.406	0.500	0.500	ND	79	81	47-121	3	17	
<i>Surrogate:</i>											
DCB						107	112	53-127			



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1227S1					
4,4'-DDE	ND	10	EPA 8081B	12-27-22	12-28-22	
4,4'-DDD	ND	10	EPA 8081B	12-27-22	12-28-22	
4,4'-DDT	ND	10	EPA 8081B	12-27-22	12-28-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control limits</i>				
<i>Tetrachloro-m-xylene</i>	112	35-110				Q
<i>Decachlorobiphenyl</i>	103	32-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>MATRIX SPIKES</b>											
Laboratory ID:	12-151-01										
	MS	MSD	MS	MSD		MS	MSD				
4,4'-DDE	<b>68.3</b>	<b>65.8</b>	100	100	<b>ND</b>	<b>68</b>	<b>66</b>	34-120	4	17	
4,4'-DDD	<b>76.8</b>	<b>78.3</b>	100	100	<b>ND</b>	<b>77</b>	<b>78</b>	37-126	2	17	
4,4'-DDT	<b>70.3</b>	<b>55.4</b>	100	100	<b>ND</b>	<b>70</b>	<b>55</b>	30-127	24	20	W
<i>Surrogate:</i>											
<i>Tetrachloro-m-xylene</i>						98	94	35-110			
<i>Decachlorobiphenyl</i>						80	80	32-122			



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-230  
 Project: 3625-004-01

**TOTAL METALS  
 EPA 6010D/7471B  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1222SM1					
Arsenic	ND	10	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	0.50	EPA 6010D	12-22-22	12-22-22	
Chromium	ND	0.50	EPA 6010D	12-22-22	12-22-22	
Copper	ND	1.0	EPA 6010D	12-22-22	12-22-22	
Lead	ND	5.0	EPA 6010D	12-22-22	12-22-22	
Zinc	ND	2.5	EPA 6010D	12-22-22	12-22-22	

Laboratory ID:	MB1227S1					
Mercury	ND	0.25	EPA 7471B	12-27-22	12-27-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	12-174-07							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	NA	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	23.9	21.1	NA	NA	NA	NA	12	20
Copper	21.1	20.0	NA	NA	NA	NA	5	20
Lead	53.7	49.0	NA	NA	NA	NA	9	20
Zinc	45.8	43.2	NA	NA	NA	NA	6	20

Laboratory ID:	12-174-08							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

**MATRIX SPIKES**

Laboratory ID:	12-174-07									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	88.0	86.9	100	100	ND	88	87	75-125	1	20
Cadmium	46.6	46.2	50.0	50.0	ND	93	92	75-125	1	20
Chromium	112	116	100	100	23.9	88	93	75-125	4	20
Copper	67.4	67.4	50.0	50.0	21.1	93	93	75-125	0	20
Lead	284	280	250	250	53.7	92	91	75-125	2	20
Zinc	133	132	100	100	45.8	87	86	75-125	1	20

Laboratory ID:	12-174-08									
Mercury	0.518	0.514	0.500	0.500	0.0257	99	98	80-120	1	20



Date of Report: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-230  
Project: 3625-004-01

**% MOISTURE**

<b>Client ID</b>	<b>Lab ID</b>	<b>% Moisture</b>	<b>Date Analyzed</b>
IMPORT-22-12-21	12-230-01	4	12-22-22





### 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.
  - X2 - Sample extract treated with a 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.
  - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference







14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

January 27, 2023

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

Re: Analytical Data for Project 3625-004-01  
Laboratory Reference No. 2301-151

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on January 18, 2023.

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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures



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OnSite Environmental, Inc. 14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 27, 2023  
Samples Submitted: January 18, 2023  
Laboratory Reference: 2301-151  
Project: 3625-004-01

### Case Narrative

Samples were collected on January 18, 2023 and received by the laboratory on January 18, 2023. 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: January 27, 2023  
Samples Submitted: January 18, 2023  
Laboratory Reference: 2301-151  
Project: 3625-004-01

### ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DU1-08-1-0-6	01-151-01	Soil	1-18-23	1-18-23	
DU1-08-1-6-12	01-151-02	Soil	1-18-23	1-18-23	
DU1-08-2-0-6	01-151-03	Soil	1-18-23	1-18-23	
DU1-08-2-6-12	01-151-04	Soil	1-18-23	1-18-23	



Date of Report: January 27, 2023  
 Samples Submitted: January 18, 2023  
 Laboratory Reference: 2301-151  
 Project: 3625-004-01

**TOTAL ARSENIC  
 EPA 6010D**

Matrix: Soil  
 Units: mg/Kg (ppm)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>DU1-08-1-0-6</b>					
Laboratory ID:	01-151-01					
Arsenic	<b>9.9</b>	6.5	EPA 6010D	1-23-23	1-23-23	

<b>Client ID:</b>	<b>DU1-08-1-6-12</b>					
Laboratory ID:	01-151-02					
Arsenic	<b>9.0</b>	6.3	EPA 6010D	1-23-23	1-23-23	

<b>Client ID:</b>	<b>DU1-08-2-0-6</b>					
Laboratory ID:	01-151-03					
Arsenic	<b>7.3</b>	6.2	EPA 6010D	1-23-23	1-23-23	

<b>Client ID:</b>	<b>DU1-08-2-6-12</b>					
Laboratory ID:	01-151-04					
Arsenic	<b>7.3</b>	6.2	EPA 6010D	1-23-23	1-23-23	



Date of Report: January 27, 2023  
 Samples Submitted: January 18, 2023  
 Laboratory Reference: 2301-151  
 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
<b>METHOD BLANK</b>						
Laboratory ID:	MB0123SM1					
Arsenic	<b>ND</b>	5.0	EPA 6010D	1-23-23	1-23-23	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	01-179-01							
	ORIG	DUP						
Arsenic	<b>10.8</b>	<b>11.5</b>	NA	NA	NA	NA	6	20

**MATRIX SPIKES**

Laboratory ID:	01-179-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	<b>104</b>	<b>105</b>	100	100	10.8	<b>93</b>	<b>94</b>	75-125	1	20



Date of Report: January 27, 2023  
Samples Submitted: January 18, 2023  
Laboratory Reference: 2301-151  
Project: 3625-004-01

**% MOISTURE**

<b>Client ID</b>	<b>Lab ID</b>	<b>% Moisture</b>	<b>Date Analyzed</b>
DU1-08-1-0-6	01-151-01	23	1-23-23
DU1-08-1-6-12	01-151-02	21	1-23-23
DU1-08-2-0-6	01-151-03	19	1-23-23
DU1-08-2-6-12	01-151-04	20	1-23-23





### 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.
  - X2 - Sample extract treated with a 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.
  - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
  - 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

### Turnaround Request (In working days)

(Check One)

Same Day  1 Day

2 Days  3 Days

Standard (7 Days)

\_\_\_\_\_ (other)

### Laboratory Number: 01-151

Company: GeoEngineers  
 Project Number: 3625-004-01  
 Project Name: SEI - Redondo Heights  
 Project Manager: Aaron Maygamer  
 Sampled by: Aaron Maygamer

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	DU1-08-1-0-6	1/18/23	1500	Soil	1
2	DU1-08-1-6-12		1505		1
3	DU1-08-2-0-6		1510		1
4	DU1-08-2-6-12		1515		1

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/> )	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up <input type="checkbox"/> )	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	Total Arsenic*	% Moisture
1																		X	X
1																		X	X
1																		X	X
1																		X	X

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>GeoEngineers</u>	<u>1/18/23</u>	<u>1620</u>	<u>*Detection Limit of 7mg/kg</u>
<u>[Signature]</u>	<u>OSE</u>	<u>1/18/23</u>	<u>1620</u>	
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Reviewed/Date				

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

**APPENDIX B**  
**Import and Export Weight Tickets**



# Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

## SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #  
4178230430

Expiration Date  
1/9/2024

### I. Decision Request:

Initial     Recertification     Change

Disposal Facility: 4178 - Roosevelt LF

Generator Name: Shelter Resources Inc

Generator Site Address: Hwy 99 Redondo S 276th St

City: Federal Way

County:

State: WA

Zip:

Name of Waste: Contaminated Soil

Estimated Annual Volume: 350 Cubic Yards

### II. Special Waste Department Decision:

Approved     Rejected

Management Method(s):     Landfill     Solidification     Bioremediation     Deep Well     Transfer Facility

Problematic Special Waste according to Republic?     Yes     No

If yes, which one?

Approved by Special Waste Review Committee?     Yes     No     Not Applicable

### Precautions, Conditions or Limitations on Approval

Special Waste Analyst Signature: Holly M Wilson  
Date: 1/10/2023

Name (Printed): Holly Wilson

### III. Facility Decision:

Approved     Rejected

### Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: Jeff Barcnas  
Date: 1/10/2023

Name (Printed): Jeff Barcnas

Reminder  
No side dumps

Drivers must have copy bill of lading

Certification No. Tb-0430  
Billing Acct. No. 333776  
Product Code VG

**BILL OF LADING**  
**Contaminated Soil**

**REGIONAL DISPOSAL COMPANY**

54 S. Dawson Street  
Seattle, WA 98134

Telephone: (206) 332-7700 / Fax: (206) 332-7600

Redondo Heights dba

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Shelter Resources (Generator/Agent) and Regional Disposal Company ("RDC") on 1/18/2023 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. Tb-0430 signed by Generator/Agent on 1/18/2023 (date), for disposal at Roosevelt Regional Landfill. Contractor shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: Hwy 99 Redondo S 276th St. Federal Way

Method of Shipment: \_\_\_\_\_

Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state):  
\_\_\_\_\_

**PERFORMANCE DATE**

**FOR RDC TRANSPORTATION:** Generator shall make the Waste available for shipment no later than \_\_\_\_\_ (date). RDC shall transport the Waste no later than \_\_\_\_\_ (date), unless RDC notifies the Generator in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

**FOR GENERATOR TRANSPORTATION:** Agent shall begin delivery of the Waste at [check one]:

Roosevelt Regional Landfill.

Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 1/18/2023 (date), and shall complete delivery of the Waste no later than 1/9/2024 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

**GENERATOR / AGENT**

**REGIONAL DISPOSAL COMPANY**

Marc Fitzpatrick  
Signature

Teresa Dillashaw  
Signature

Marc Fitzpatrick, CFO  
Printed Name and Title

Teresa Dillashaw, SW Sales  
Printed Name and Title

1/18/2023  
Date

1/19/2023  
Date



# SPECIAL WASTE DISPOSAL SERVICES AGREEMENT FOR NON-HAZARDOUS WASTES

Special Waste Profile No: 4178 23 0430

INVOICE TO (Generator Billing Information)	
GENERATOR NAME (the "Generator")	Redondo Heights new Construction LLP c/o Shelter Resources
ATTN:	Mark Fitzpatrick
ADDRESS:	2223 112 <sup>th</sup> Ave NE Suite 102
CITY, STATE	Bellevue WA, 98004
TEL. NO.	425-454-8205
ZIP CODE	98004
FAX NO.	
LANDFILL FACILITY ("Company")	

LEGAL ENTITY NAME	
4178 Roosevelt Regional MSW Landfill / Regional Disposal Co.	
ADDRESS	
500 Roosevelt Grade Road	
CITY, STATE	ZIP CODE
Roosevelt, WA	99356
TEL. NO.	FAX NO.
509.384.5641	
AUTHORIZED BY:	TITLE
CONTACT	TITLE

1. **Special Waste Services.** Subject to the terms and conditions contained in this Agreement (as defined in Section 4), Company agrees to accept, at the Facility designated above, Acceptable Waste (as defined in Section 6).

2. **Rates:**

**A. Rates for Disposal:**

Waste	Disposal Method	Disposal Rate:	Fees / Taxes / Misc.	Transportation
Contaminated soil	3 <sup>rd</sup> and lander via Landfill	\$68.00 per ton	NA	N/A

Additional Information: \*\*\* The profile will expire on January 9, 2024

Cannot Exceed Daily Volume of N/A Without Prior Approval of Company.

**B. Incorporation by Reference.** In addition to Special Waste Profile(s), the following documents are incorporated by reference into this Agreement as if fully set forth herein.

1) TB-0430

2)

**C. Taxes, Fees & Other Charges.** Generator shall also be liable for all taxes, fees, or other charges imposed by federal, state, local or provincial laws, ordinances and regulations, and all charges set forth in Section 9, including, without limitation, site specific fees, host fees, fuel recovery fees, environmental recovery fees and administrative fees.

3. **Term of Agreement.** This Agreement is effective for 12 months beginning on January 18, 2023 (the "Initial Term") and shall automatically renew for successive 0-month periods (each, a "Renewal Term"), unless written notice of non-renewal is delivered in accordance with Section 19 by one party to the other party at least 30 days before the expiration of the Initial Term or any Renewal Term.

Except for requests for bids that Generator must send to multiple parties under any Applicable Laws, Generator grants to Company the right to bid and/or compete for any future services sought by Generator, whether by means of competitive bids or otherwise, that are for services comparable to those provided under this Agreement.

**COMPANY AND GENERATOR, IN CONSIDERATION OF THE MUTUAL OBLIGATIONS CONTAINED IN THIS AGREEMENT, AGREE THAT THIS IS A LEGALLY BINDING AGREEMENT WHICH IS SUBJECT TO THE TERMS AND CONDITIONS SET FORTH ON THIS PAGE, AND ON THE REVERSE SIDE OF THIS PAGE. IN ADDITION, GENERATOR IS CERTIFYING THE TERMS AND CONDITIONS ON THE REVERSE SIDE OF THIS PAGE HAVE BEEN REVIEWED AND INITIALLED AT THE BOTTOM OF THE PAGE.**

**GENERATOR**

Mark Fitzpatrick  
SIGNATURE (AUTHORIZED REPRESENTATIVE)

Mark Fitzpatrick, CFO  
NAME AND TITLE (PLEASE PRINT)

DATE: 1/18/23

**COMPANY**

Teresa Dillashaw  
SIGNATURE (AUTHORIZED REPRESENTATIVE)

Teresa Dillashaw, SW Sales  
NAME AND TITLE (PLEASE PRINT)

DATE: 1/19/23

4. **The Agreement.** This agreement of the parties ("Agreement") for the disposal of Acceptable Waste shall consist of this Agreement, riders to the Agreement (if any), any Special Waste Profiles (including any approved changes and re-certifications) and any Application, permit and approval that may be applicable to the disposal of such Acceptable Waste ("Acceptable Waste Documentation").

5. **Waste Accepted at Facility.** Generator represents, warrants and covenants that the waste delivered to Company at its Facility hereunder will be Acceptable Waste and will not contain any unacceptable quantity of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances, as defined by applicable federal, state, local or provincial laws or regulations. Any waste which does not meet these requirements shall hereinafter be referred to as "Unacceptable Waste". The Generator shall in all matters relating to the collection, transportation and disposal of the Acceptable Waste hereunder, comply with all applicable federal, state and local laws, regulations, rules and orders regarding the same (collectively, "Applicable Laws").

6. **Acceptable Waste.** Only waste that satisfies each of the following criteria shall be accepted for disposal at the Facility ("Acceptable Waste"): (a) the waste conforms to the description set forth in the Acceptable Waste Documentation; (b) the waste does not contain any Unacceptable Waste; (c) the waste is accurately reflected on any Special Waste Profile(s) as directed by the Company pursuant to Section 7; (d) the waste is acceptable for disposal at the Facility under all Applicable Laws; and (e) the transportation to and disposal of the waste at the Facility is otherwise in accordance with this Agreement. The parties may incorporate additional Acceptable Waste as part of this Agreement if prior to delivery of such Waste to Company, Generator has provided an Application for such Acceptable Waste and Company has approved disposal of such Acceptable Waste within the limitations and conditions contained in Company's written notice of approval of Special Waste Disposal. Title to and liability for any and all Acceptable Waste handled or disposed of by Company shall at all times remain with Generator and Broker (if a Broker is involved).

7. **Rights of Refusal/Rejection.** The Generator shall inspect all waste at the place(s) of collection and shall remove any and all Unacceptable Waste. Company has the right to refuse, or to reject after acceptance, any load(s) of waste(s) delivered to its Facility including if the Company believes (a) Generator has breached (or is breaching) its representations, warranties, covenants or agreements in this Agreement or any Acceptable Waste Documentation, or any Applicable Laws; or (b) that the waste contains Unacceptable Waste. The Company has the right to refuse, or to reject after acceptance, any load(s) of waste(s) delivered to its Facility if the Company has reason to believe, in its sole discretion, that the waste: (1) emits excessive odors; and/or (2) negatively impacts operations at the Facility. Company shall have the right to inspect all vehicles and containers of waste haulers, including the Generator's vehicles, in order to determine whether the waste is Acceptable Waste pursuant to this Agreement and all Applicable Laws. The Company's exercise, or failure to exercise, its rights hereunder shall not operate to relieve the Generator of its responsibilities or liability under this Agreement.

8. **Limited License to Enter.** This Agreement provides Generator with a license to enter the Facility for the limited purpose of, and only to the extent necessary for, off-loading Acceptable Waste at the Facility in the manner directed by Company. Except in an emergency, Generator's personnel shall not leave the immediate vicinity of their vehicle. After off-loading the Acceptable Waste, Generator's personnel shall promptly leave the Facility. Under no circumstances shall Generator or its personnel engage in any scavenging of waste or other materials at the Facility. The Company reserves the right to make and enforce reasonable rules and regulations concerning the operation of the Facility, the conduct of the drivers and others on the Facility premises, quantities and sources of waste, and any other matters necessary or desirable for the safe, legal and efficient operation of the Facility including, but not limited to, speed limits on haul roads imposed by the Company, and the wearing of hard hats and other personal protection equipment by all individuals allowed on the Facility premises. Generator agrees to conform to such rules and regulations as they may be established and amended from time to time. Company may refuse to accept waste from and shall deny an entrance license to, any of Generator's personnel whom Company believes is under the influence of alcohol or other chemical substances. Generator shall be solely responsible for its employees and subcontractors performing their obligations in a safe manner when at the facility of Company.

9. **Charges and Payment.** Payment shall be made by Generator within twenty (20) days after receipt of invoice from Company. If any amount is overdue, the Company may terminate this Agreement. Generator agrees to pay a finance charge equal to the maximum interest rate permitted by law. Generator shall be liable for all taxes, fees, or other charges imposed upon the disposal of the Acceptable Waste by federal, state, local or provincial laws and regulations. Company, from time to time, may modify its rates upon thirty (30) days written notice to Generator. For the purposes of this section, written notice may be provided via email, certified mail, or overnight courier.

10. **Termination/Suspension.** Company shall have the right to immediately terminate and/or suspend this Agreement upon the occurrence of any of the following events of default: (a) Generator's failure to timely pay any amounts due under this Agreement to Company; (b) Generator's breach of any of its obligations, representations, warrants or covenants under this Agreement or any Acceptable Waste Documentation; or (c) the filing of a voluntary or involuntary petition for reorganization or bankruptcy against Generator. Generator shall be liable for any losses, claims, expenses and damages incurred by Company as a result of suspension or termination hereunder. Generator's obligations, representations, warranties and covenants regarding the Acceptable Waste delivered and all indemnities contained in this Agreement shall survive expiration and termination of this Agreement. Additionally, Company shall have the right to terminate this Agreement for convenience at any time on 30 days notice to Generator.

11. **Personnel Knowledge and Authority.** Generator represents, warrants and covenants that its drivers who deliver Acceptable Waste to Company's Facility have been advised by Generator of the Company's prohibition on deliveries of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances or any other Unacceptable Waste to the Facility of Company's restrictions on deliveries of Special Waste to the Facility, of the definitions of "Hazardous Waste and Hazardous Substances" as provided by applicable federal, state and local law, rules and regulations and "Special Waste" as provided herein, and of the terms of this license to enter Company's Facility.

12. **Indemnification.** Generator agrees to indemnify, defend and hold harmless Company, the legal entity owning and/or operating the Facility, their subsidiaries, affiliates and parent corporations, as applicable, and each of their respective officers, directors, lenders, employees, subcontractors and agents (collectively, the "Company Indemnified Parties") from and against any and all claims, suits, losses, liabilities, assessments, damages, fines, costs and expenses, including reasonable attorneys' fees (collectively, "Losses") arising out of or related to (a) the transportation to and/or disposal of any Unacceptable Waste at the Facility, whether or not Generator or Company was negligent in failing to identify the Unacceptable Waste; (b) the reloading and/or removal of Unacceptable Waste at the Facility; (c) any penalties, fines or remediation activities incurred by or imposed as the result of the transportation and/or disposal of Unacceptable Waste; (d) any increased inspection, testing, study and analysis costs made necessary due to reasonable concerns of Company as to the content of the waste transported and/or disposed of at the Facility following discovery of potentially Unacceptable Waste; and (e) the Company's inability to use the Facility due to the presence of Unacceptable Waste including without limitation any consequential damages. Company may also, in its sole discretion, require Generator to promptly remove the Unacceptable Waste at Generator's sole expense. The indemnification and other obligations stated in this Section 12 shall survive the expiration and termination of this Agreement.

13. **Insurance.** Generator shall maintain in full force and effect throughout the term of this Agreement the following types of insurance in at least the amounts specified below:

Coverages	Minimum Amounts of Insurance
Worker's Compensation	Statutory

Employer's Liability	\$1,000,000
General Liability	\$1,000,000 combined single limit
Automobile Liability (if Generator hauling)	\$1,000,000 combined single limit

All insurance will be by insurers authorized to do business in the state in which the Facility is located. Generator shall deliver the Certificates of Insurance evidencing the foregoing policies to Company before Generator delivers any waste to the Facility pursuant to this Agreement. In addition, the (i) Commercial General Liability (including the Umbrella/Excess policy) policy must include Contractual Liability coverage specifically covering Generator's indemnification of Company, and (ii) The Commercial General Liability, Automobile Liability and the Umbrella/Excess Liability policies must be written on an "occurrence form". Said policies shall not thereafter be canceled, be permitted to expire or laps, or be changed without 30 days advance written notice has been given to Company. With the exception of workers' compensation, Company shall be shown as additional insureds under all of the insurance policies required by this Section 13. The policies required by this Section 13 shall be primary and non-contributory with respect to Company, and the insurance providers shall agree to waive their rights of subrogation against Company.

14. **Failure to Perform.** Except for Generator's obligation to pay amounts due to Company, neither party shall be liable for its failure to perform due to circumstances that are both not its fault and beyond its reasonable control, including, but not limited to, strikes or other labor disputes, riots, protests, civil disturbances or sabotage, changes in law, fires, floods, compliance with government requests, explosions, accidents, weather, lack of required natural resources, or acts of God affecting either party. If any of the circumstances provided for in the preceding sentence occur, including, without limitation, whether any federal, state or local court or governmental authority takes any action that would (a) close or restrict operations at the Facility; or (b) limit the quantity or prohibit the disposal of Acceptable Waste at the Facility, Company shall have the right to reduce, suspend or terminate Generator's access to the Facility immediately, without prior notice; provided, however, that Generator's payment and indemnification obligations shall survive such reduction, suspension or termination. Neither Party is required to settle any labor dispute against its own best judgment.

15. **Assignment; Performance of Services.** Generator may not assign, transfer, subcontract or otherwise vest in any other company, entity or person, in whole or in part, any of its rights or obligations under this Agreement without the prior written consent of Company, which Company may withhold in its sole discretion. Company may freely assign this Agreement or any of its rights or obligations thereunder, to any other company, entity or person, in its sole discretion. Additionally, Company may freely use any of its affiliates to provide the services and fulfill Company's obligations under this Agreement.

16. **Right of Disposal.** This Agreement does not grant any rights to dispose of waste other than as specifically set forth in this Agreement.

17. **Continuing Compliance.** The Generator has a continuing obligation to inform the Company of any new information, or information not previously provided to the Company by Generator which may affect the acceptability of the waste by the Company. Further, the Generator shall comply with all Company requests for evidence of Generator's continuing compliance with the terms of the Agreement including but not limited to the following: (i) providing new, updated Special Waste profiles on the waste(s) offered for disposal or, (ii) providing appropriate certification that the waste being offered for disposal is accurately reflected by the appropriate Special Waste Profile or, (iii) re-sample the waste at Generator's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or, (iv) allow the Company to re-sample the waste at Generator's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or any Acceptable Waste Documentation.

#### 18. **Miscellaneous.**

(A) This Agreement shall be governed by the laws of the State in which the Facility is located.

(B) No waiver of a breach of any of the obligations contained in the Agreement shall be construed to be a waiver of any prior or succeeding breach of the same obligation or of any other obligation of this Agreement.

(C) Unless otherwise provided for herein, no modification, release, discharge or waiver of any provision or obligation hereof shall be of any force, or effect, unless in writing signed by all parties to this Agreement.

(D) Generator shall treat as confidential and not disclose to others during or subsequent to the terms of this Agreement, except as is necessary to perform this Agreement, or to comply with any applicable law or regulation any information (including any technical information, experience or data) regarding the Company's plans, programs, plants, processes, products, costs, equipment or operations which may come within the knowledge of the Generator or its employees in the performance of this Agreement, without in each instance securing the prior written consent of the other Company.

(E) If any term, phrase, obligation or provision of this Agreement shall be held to be invalid, illegal or unenforceable in any respect, this Agreement shall remain in effect and be construed without regard to such term, phrase, obligation or provision.

(F) This Agreement constitutes the entire understanding between the parties, replacing and amending any prior agreements between the parties, and shall be binding upon all parties hereto, their successors, heirs, representatives and assigns. Any provision, term or condition in any acknowledgement, purchase order or other response by Generator which is in addition to or different from the provisions of this Agreement shall be deemed objected to by the Company and shall be of no effect.

(G) Generator represents, warrants and covenants that it is and, during the term of this Agreement will remain, in compliance with and will perform its obligations pursuant to all applicable laws and regulations and shall indemnify, defend and hold harmless the Company from any breach thereof.

(H) It is the understanding and agreement of the parties that the Company is an independent contractor, and is not an agent, nor an authorized representative of the Generator.

(I) Company may provide any of the Services covered by this Agreement through any of its affiliates or subcontractors, provided that Company shall remain responsible for the performance of all such services and obligations in accordance with this Agreement.

19. **Notices.** All notices required under this Agreement shall be considered as having been given upon being placed in the mail, certified postage prepaid, addressed to Company or Generator at the address herein set forth in this Agreement or to such other address as may be given to the other party in writing.

20. **Liquidated Damages.** If Generator terminates this Agreement before its expiration other than as a result of a breach by Company, Generator shall pay Company an amount equal to the most recent month's monthly charges multiplied by the lesser of (a) six months or (b) the number of months remaining in the term. Generator acknowledges that in the event of such a termination, actual damages to Company would be uncertain and difficult to ascertain, such amount is the best, reasonable and objective estimate of the actual damages to Company, such amount does not constitute a penalty, and such amount is reasonable under the circumstances. Any amount payable under this paragraph shall be in addition to amounts already owing under this Agreement.

GENERATOR: M77

COMPANY: Jessica Dallas

June 2021

# Special Waste Profile



Disposal Facility:

Waste Profile #:

Sales Rep #:

## I. Generator Information

Generator Name:

Generator Site Address:

City:  County:  State:  Zip:

State ID/Reg No:  State Approval/Waste Code:  NAICS:

Generator Mailing Address:

City:  County:  State:  Zip:

Generator Contact Name:  Email:

Phone Number:  Ext:  Fax Number:

## II. Billing Information

Bill To:  Contact Name:

Billing Address:  Email:

City:  State:  Zip:  Phone:

## III. Waste Stream Information

Name of Waste:

Process Generating Waste:

Type of Waste:  Physical State:  Method of Shipment:

Estimated Volume:  Volume Type:

Frequency:  Disposal Consideration:

## IV. Representative Sample Certification

No Sample Taken  Sample Taken Type of Sample:

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent?  Yes  No

Sample Date:	<input type="text" value="Dec 21, 2022, Dec 21, 2022, Dec 21, 2022"/>	Sample ID Numbers or SDS:	<input type="text" value="DP1-22-12-21, DP2-22-12-21, DP3-22-12-21,"/>
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**Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.**

## V. Physical Characteristics of Waste

Characteristic Components (must equal 100%):

% By Weight (out of 100% - ranges acceptable):

1.

## V. Physical Characteristics of Waste cont.

Color:

Odor (describe): Does Waste Contain Free Liquids?

% Solids:

pH:

Flash Point:

Yes

No

°F

**Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.**

## RCRA Regulatory Questions

- Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?  Yes  No
- Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 [reference 40 CFR 261.23(a)(5)])?  Yes  No
- Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?  Yes  No
- Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?  Yes  No
- Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register.  Yes  No
- Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?  Yes  No
- Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?  Yes  No
- Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?  Yes  No
- Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?  Yes  No
- Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation.  Yes  No

## Republic Services Waste Handling Questions

- Does this waste generate heat or react when contacted with water/moisture?  Yes  No
- Does the waste contain sulfur or sulfur by-products?  Yes  No
- Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA?  Yes  No
- Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)? If yes, please provide clarification.  Yes  No

## VI. Certification

*I hereby certify that I have knowledge about the waste material being offered for disposal ("Waste") and have the requisite authority to bind the Generator to the information contained in this Special Waste Profile ("Profile"). I further certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the Waste and all known or suspected hazards have been disclosed. All Analytical Results/ Safety Data Sheets submitted are truthful and complete and are representative of the Waste.*

*I further certify that by utilizing this Profile, neither myself nor any other employee or representative of the company identified below ("Company") will deliver for disposal or attempt to deliver for disposal any Waste that: (i) is classified as toxic waste, hazardous waste or infectious waste; (ii) that does not conform to this Profile; or (iii) that this Disposal Facility is prohibiting from accepting by law. I shall immediately give written notice of any change or condition pertaining to the Waste not provided herein. Our Company hereby agrees to fully indemnify this Disposal Facility against any damages resulting from this Profile or Certification being inaccurate or untrue.*

*I understand that by attaching an electronic signature, I am signing this document and Company consents to complete this transaction and receive all related communications electronically, and agrees this document will be binding as though it had been physically signed. A printout of this Profile may be accepted with the same authority as the original.*

Mark Fitzpatrick for Len Brannen	Chief Financial Officer	Shelter Resources, Inc.
Authorized Representative Name (Printed)	Title (Printed)	Company Name
	Jan 9, 2023	
Authorized Representative Signature	Date	



14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

December 28, 2022

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

Re: Analytical Data for Project 3625-004-01  
Laboratory Reference No. 2212-229

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 21, 2022.

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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures



Date of Report: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-229  
Project: 3625-004-01

### Case Narrative

Samples were collected on December 21, 2022 and received by the laboratory on December 21, 2022. 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: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-229  
Project: 3625-004-01

### ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP1-22-12-21	12-229-01	Soil	12-21-22	12-21-22	
DP2-22-12-21	12-229-02	Soil	12-21-22	12-21-22	
DP3-22-12-21	12-229-03	Soil	12-21-22	12-21-22	



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-229  
 Project: 3625-004-01

**TOTAL METALS**  
**EPA 6010D/7471B**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>DP1-22-12-21</b>					
Laboratory ID:	12-229-01					
Arsenic	ND	15	EPA 6010D	12-22-22	12-22-22	
Barium	81	3.9	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	0.77	EPA 6010D	12-22-22	12-22-22	
Chromium	16	0.77	EPA 6010D	12-22-22	12-22-22	
Lead	48	7.7	EPA 6010D	12-22-22	12-22-22	
Mercury	ND	0.39	EPA 7471B	12-27-22	12-27-22	
Selenium	ND	15	EPA 6010D	12-22-22	12-22-22	
Silver	ND	1.5	EPA 6010D	12-22-22	12-22-22	

<b>Client ID:</b>	<b>DP2-22-12-21</b>					
Laboratory ID:	12-229-02					
Arsenic	16	10	EPA 6010D	12-22-22	12-22-22	
Barium	100	5.2	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	1.0	EPA 6010D	12-22-22	12-22-22	
Chromium	21	1.0	EPA 6010D	12-22-22	12-22-22	
Lead	40	10	EPA 6010D	12-22-22	12-22-22	
Mercury	ND	0.52	EPA 7471B	12-27-22	12-27-22	
Selenium	ND	10	EPA 6010D	12-22-22	12-22-22	
Silver	ND	2.1	EPA 6010D	12-22-22	12-22-22	

<b>Client ID:</b>	<b>DP3-22-12-21</b>					
Laboratory ID:	12-229-03					
Arsenic	15	15	EPA 6010D	12-22-22	12-22-22	
Barium	120	3.8	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	0.75	EPA 6010D	12-22-22	12-22-22	
Chromium	21	0.75	EPA 6010D	12-22-22	12-22-22	
Lead	45	7.5	EPA 6010D	12-22-22	12-22-22	
Mercury	ND	0.38	EPA 7471B	12-27-22	12-27-22	
Selenium	ND	15	EPA 6010D	12-22-22	12-22-22	
Silver	ND	1.5	EPA 6010D	12-22-22	12-22-22	



Date of Report: December 28, 2022  
 Samples Submitted: December 21, 2022  
 Laboratory Reference: 2212-229  
 Project: 3625-004-01

**TOTAL METALS  
 EPA 6010D/7471B  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB1222SM1					
Arsenic	ND	5.0	EPA 6010D	12-22-22	12-22-22	
Barium	ND	2.5	EPA 6010D	12-22-22	12-22-22	
Cadmium	ND	0.50	EPA 6010D	12-22-22	12-22-22	
Chromium	ND	0.50	EPA 6010D	12-22-22	12-22-22	
Lead	ND	5.0	EPA 6010D	12-22-22	12-22-22	
Selenium	ND	5.0	EPA 6010D	12-22-22	12-22-22	
Silver	ND	1.0	EPA 6010D	12-22-22	12-22-22	

Laboratory ID:	MB1227S1					
Mercury	ND	0.25	EPA 7471B	12-27-22	12-27-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	12-174-07							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	20	
Barium	55.7	52.9	NA	NA	NA	5	20	
Cadmium	ND	ND	NA	NA	NA	NA	20	
Chromium	23.9	21.1	NA	NA	NA	12	20	
Lead	53.7	49.0	NA	NA	NA	9	20	
Selenium	ND	ND	NA	NA	NA	NA	20	
Silver	ND	ND	NA	NA	NA	NA	20	

Laboratory ID:	12-174-08							
Mercury	ND	ND	NA	NA	NA	NA	20	

**MATRIX SPIKES**

Laboratory ID:	12-174-07									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	88.0	86.9	100	100	ND	88	87	75-125	1	20
Barium	154	154	100	100	55.7	99	98	75-125	0	20
Cadmium	46.6	46.2	50.0	50.0	ND	93	92	75-125	1	20
Chromium	112	116	100	100	23.9	88	93	75-125	4	20
Lead	284	280	250	250	53.7	92	91	75-125	2	20
Selenium	84.4	85.2	100	100	ND	84	85	75-125	1	20
Silver	20.1	19.8	25.0	25.0	ND	80	79	75-125	2	20

Laboratory ID:	12-174-08									
Mercury	0.518	0.514	0.500	0.500	0.0257	99	98	80-120	1	20



Date of Report: December 28, 2022  
Samples Submitted: December 21, 2022  
Laboratory Reference: 2212-229  
Project: 3625-004-01

**% MOISTURE**

<b>Client ID</b>	<b>Lab ID</b>	<b>% Moisture</b>	<b>Date Analyzed</b>
DP1-22-12-21	12-229-01	35	12-22-22
DP2-22-12-21	12-229-02	51	12-22-22
DP3-22-12-21	12-229-03	34	12-22-22





### 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.
  - X2 - Sample extract treated with a 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.
  - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference





# KANGLEY ROCK & RECYCLING

ACCOUNTING: 9125 TENTH AVENUE SOUTH  
SEATTLE, WA 98108 • (206) 768-1000

## Kangley Rock & Recycling Locations

**KANGLEY PIT** (Plant # 21)  
32500 SE Kent-Kangley Rd., Ravensdale, WA 98051  
**BLACK RIVER** (Plant # 22) - (206) 658-0912  
510 Monster Rd. Renton, WA 98055  
**LAKE FRANCIS** (Plant # 23) - (206) 658-0872  
22501 SE Lake Francis Rd. Maple Valley, WA 98038  
**Cedar Mountain Reclamation**  
17877 Cedar Grove Rd. SE, Maple Valley, WA 98038  
Plant #20 - (206) 658-0913

## DELIVERY TICKET

ACCOUNTING (206) 768-1000  
FAX (206) 763-2730  
SALES &  
ORDER DESK (206) 768-1000

A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC.

MAP LOCATE		LEAVE PLANT		ARRIVE JOB		LEAVE JOB		ARRIVE PLANT	
DATE	CUSTOMER NO.	ORDER NO.	PROJECT			PLANT #			
01/10/2023	422800	754940				22			
CUSTOMER NAME					CUSTOMER PO.	JOB NO.	DELIVERY TICKET NO.		
LIAD INC					27454	027454	460241		
JOB ADDRESS					COLLECT ON DELIVERY (C.O.D.)				
27454 PAC HWY - 27454 PACIFIC HIGHWAY FEDERAL WAY									
SPECIAL INSTRUCTIONS					<input type="checkbox"/> CASH <input type="checkbox"/> CHECK # _____ <input type="checkbox"/> CHARGE CARD # _____    EXP. / ____ / ____ <input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> DISCOVER				

QUANTITY	U.M.	PRODUCT CODE	DESCRIPTION	TONS	TOTAL TONS	UNIT PRICE	AMOUNT
15.94		42024	TYPE 17 ASPHALT AGG B-231	15.94		42.17	
15.94		TN 70010	WA STATE SICK LEAVE SURCH	15.94			
15.94		TN 70015	ENVIRONMENTAL SURCHARGE	15.94			
15.94		TN 70020	AGGREGATE FUEL SURCHARG	15.94			
Gross		55360.00	Tare	23600.00	Net	31060.00	

DRIVER	TRUCK NO.	ORDERED BY	REMIT PAYMENT TO 9125 10th AVE. S. SEATTLE, WA 98108 TERMS ON REVERSE	SUB-TOTAL
DISPATCHER	TAX CODE	TIME DUE		SALES TAX
RELEASE - CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS KANGLEY ROCK & RECYCLING, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS ON REVERSE.				BALANCE FORWARD
CUSTOMER SIGNATURE	DATE			TOTAL AMOUNT

# KANGLEY ROCK & RECYCLING

ACCOUNTING: 9125 TENTH AVENUE SOUTH  
SEATTLE, WA 98108 • (206) 768-1000

A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC.

## Kangley Rock & Recycling Locations


**KANGLEY PIT** (Plant # 21)  
32500 SE Kent-Kangley Rd., Ravensdale, WA 98051  
**BLACK RIVER** (Plant # 22) - (206) 658-0912  
510 Monster Rd. Renton, WA 98055  
**LAKE FRANCIS** (Plant # 23) - (206) 658-0872  
22501 SE Lake Francis Rd. Maple Valley, WA 98038  
**Cedar Mountain Reclamation**  
17877 Cedar Grove Rd. SE, Maple Valley, WA 98038  
Plant #20 - (206) 658-0913

## DELIVERY TICKET

ACCOUNTING (206) 768-1000  
FAX (206) 763-2730  
SALES &  
ORDER DESK (206) 768-1000

MAP LOCATE		LEAVE PLANT		ARRIVE JOB		LEAVE JOB		ARRIVE PLANT	
DATE 01/19/2023	CUSTOMER NO. 42200	ORDER NO. 754940	PROJECT			PLANT # 22			
CUSTOMER NAME ILAD INC					CUSTOMER PO 27454	JOB NO. 027454	DELIVERY TICKET NO. 460166		
JOB ADDRESS PAC HWY - 27454 PACIFIC HIGHWAY FEDERAL WAY					<b>COLLECT ON DELIVERY (C.O.D.)</b>				
SPECIAL INSTRUCTIONS					<input type="checkbox"/> CASH <input type="checkbox"/> CHECK # _____ <input type="checkbox"/> CHARGE CARD # _____    EXP. / _____ <input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> DISCOVER				

QUANTITY	U.M.	PRODUCT CODE	DESCRIPTION	TONS	TOTAL TONS	UNIT PRICE	AMOUNT
14.47		TN 70004	TYPE 17 MBRN AGG B-231	14.47			
14.47		TN 70010	WA STATE SICK LEAVE SURCH	14.47			
14.47		TN 70015	ENVIRONMENTAL SURCHARGE	14.47			
14.47		TN 70020	AGGREGATE FUEL SURCHARGE	14.47			
Gross		52440.00	Tare	23500.00	Net		28940.00

DRIVER	TRUCK NO. TMDM45	ORDERED BY	REMIT PAYMENT TO 9125 10th AVE. S. SEATTLE, WA 98108 TERMS ON REVERSE	SUB-TOTAL
DISPATCHER	TAX CODE WA	TIME DUE 7:30		SALES TAX
RELEASE - CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS KANGLEY ROCK & RECYCLING, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS ON REVERSE.				BALANCE FORWARD
				TOTAL AMOUNT
CUSTOMER SIGNATURE 			DATE	
PRINT NAME				

# KANGLEY ROCK & RECYCLING

ACCOUNTING: 9125 TENTH AVENUE SOUTH  
SEATTLE, WA 98108 • (206) 768-1000

## Kangley Rock & Recycling Locations

**KANGLEY PIT** (Plant # 21)  
32500 SE Kent-Kangley Rd., Ravensdale, WA 98051  
**BLACK RIVER** (Plant # 22) - (206) 658-0912  
510 Monster Rd. Renton, WA 98055  
**LAKE FRANCIS** (Plant # 23) - (206) 658-0872  
22501 SE Lake Francis Rd. Maple Valley, WA 98038

## DELIVERY TICKET


ACCOUNTING (206) 768-1000  
FAX (206) 763-2730  
SALES &  
ORDER DESK (206) 768-1000

A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC.

**Cedar Mountain Reclamation**  
17877 Cedar Grove Rd. SE, Maple Valley, WA 98038  
Plant #20 - (206) 658-0913

MAP LOCATE		LEAVE PLANT		ARRIVE JOB		LEAVE JOB		ARRIVE PLANT	
DATE 01/18/2023	CUSTOMER NO. 422800	ORDER NO. 734940	PROJECT			PLANT # 22			
CUSTOMER NAME ILIAD INC				CUSTOMER PO. 27454	JOB NO. 027454	DELIVERY TICKET NO. 430188			
JOB ADDRESS AGG - PAC HWY - 27454 PACIFIC HIGHWAY FEDERAL WAY				<b>COLLECT ON DELIVERY (C.O.D.)</b>					
SPECIAL INSTRUCTIONS				<input type="checkbox"/> CASH <input type="checkbox"/> CHECK # _____ <input type="checkbox"/> CHARGE CARD # _____    EXP. ____/____/____ <input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> DISCOVER					

QUANTITY	U.M.	PRODUCT CODE	DESCRIPTION	TONS	TOTAL TONS	UNIT PRICE	AMOUNT
15.76	TN	42024	TYPE 17 MINPL AGG B-231	15.76	31520		
15.76	TN	70010	WA STATE SICK LEAVE SURCH	15.76			
15.76	TN	70015	ENVIRONMENTAL SURCHARGE	15.76			
15.76	TN	70020	AGGREGATE FUEL SURCHARGE	15.76			
Gross		55020.00	Tare		23500.00	Net	31520.00

DRIVER	TRUCK NO. TAPCOMIS	ORDERED BY	REMIT PAYMENT TO 9125 10th AVE. S. SEATTLE, WA 98108 TERMS ON REVERSE	SUB-TOTAL
DISPATCHER	TAX CODE WA	TIME DUE 1 8:52		SALES TAX
RELEASE - CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS KANGLEY ROCK & RECYCLING, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS ON REVERSE.				BALANCE FORWARD
CUSTOMER SIGNATURE 	PRINT NAME	DATE	TOTAL AMOUNT	

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127  
3rd and lander Seattle, WA

CUSTOMER 333776  
Shelter Resources Inc., dba  
Redondo Heights TOD New Construction LLL  
Bellevue, WA 98004  
  
Contract:TB-0430

SITE	TICKET #	CELL
01	1011351	
WEIGHMASTER Stephanie A.		
DATE/TIME IN	DATE/TIME OUT	
1/24/23 9:33 am	1/24/23 9:44 am	
VEHICLE	CONTAINER	
6 PTI		
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 51,680 NET TONS 11.92 INBOUND  
SCALE OUT TARE WEIGHT 27,840 NET WEIGHT 23,840 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.92	tn	SW-CONT SOIL Origin:FEDERAL WAY/KING 100%				
Signature _____						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE \_\_\_\_\_

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127  
3rd and lander -Seattle, WA

CUSTOMER 333776  
Shelter Resources Inc., dba  
Redondo Heights TOD New Construction LLL  
Bellevue, WA 98004  
  
Contract:TB-0430

SITE	TICKET #	CELL
01	1011351	
WEIGHMASTER Stephanie A.		
DATE/TIME IN	DATE/TIME OUT	
1/24/23 9:33 am	1/24/23 9:44 am	
VEHICLE	CONTAINER	
6 PTI		
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 51,680 NET TONS 11.92 INBOUND  
SCALE OUT TARE WEIGHT 27,840 NET WEIGHT 23,840 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.92	tn	SW-CONT SOIL Origin:FEDERAL WAY/KING 100%				
Signature _____						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE \_\_\_\_\_

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127  
3rd and lander Seattle, WA

CUSTOMER 333776  
Shelter Resources Inc., dba  
Redondo Heights TOD New Construction LLL  
Bellevue, WA 98004  
  
Contract:TB-0430

SITE	TICKET #	CELL
01	1011349	
WEIGHMASTER Stephanie A.		
DATE/TIME IN	DATE/TIME OUT	
1/24/23 9:26 am	1/24/23 9:34 am	
VEHICLE	CONTAINER	
10 PTI		
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	45,660	NET TONS	11.29	INBOUND
SCALE OUT TARE WEIGHT	23,080	NET WEIGHT	22,580	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.29	tn	SW-CONT SOIL Origin:FEDERAL WAY/KING 100%				
Signature _____						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE \_\_\_\_\_

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127  
3rd and lander -Seattle, WA

CUSTOMER 333776  
Shelter Resources Inc., dba  
Redondo Heights TOD New Construction LLL  
Bellevue, WA 98004  
  
Contract:TB-0430

SITE	TICKET #	CELL
01	1011349	
WEIGHMASTER Stephanie A.		
DATE/TIME IN	DATE/TIME OUT	
1/24/23 9:26 am	1/24/23 9:34 am	
VEHICLE	CONTAINER	
10 PTI		
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	45,660	NET TONS	11.29	INBOUND
SCALE OUT TARE WEIGHT	23,080	NET WEIGHT	22,580	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.29	tn	SW-CONT SOIL Origin:FEDERAL WAY/KING 100%				
Signature _____						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE \_\_\_\_\_

**SITE**  
**REGIONAL DISPOSAL INTERMODAL 425-977-4127**  
**3rd and lander Seattle, WA**

**CUSTOMER**  
 333776  
 Shelter Resources Inc., dba  
 Redondo Heights TOD New Construction LLL  
 Bellevue, WA 98004

Contract:TB-0430

SITE	TICKET #	CELL
01	1011352	
WEIGHMASTER Stephanie A.		
DATE/TIME IN	DATE/TIME OUT	
1/24/23 9:46 am	1/24/23 9:51 am	
VEHICLE	CONTAINER	
C5 DMI		
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	53,780	NET TONS	15.21	INBOUND
SCALE OUT TARE WEIGHT	23,360	NET WEIGHT	30,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.21	tn	SW-CONT SOIL Origin:FEDERAL WAY/KING 100%				
Signature _____						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE \_\_\_\_\_

**SITE**  
**REGIONAL DISPOSAL INTERMODAL 425-977-4127**  
**3rd and lander -Seattle, WA**

**CUSTOMER**  
 333776  
 Shelter Resources Inc., dba  
 Redondo Heights TOD New Construction LLL  
 Bellevue, WA 98004

Contract:TB-0430

SITE	TICKET #	CELL
01	1011352	
WEIGHMASTER Stephanie A.		
DATE/TIME IN	DATE/TIME OUT	
1/24/23 9:46 am	1/24/23 9:51 am	
VEHICLE	CONTAINER	
C5 DMI		
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	53,780	NET TONS	15.21	INBOUND
SCALE OUT TARE WEIGHT	23,360	NET WEIGHT	30,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.21	tn	SW-CONT SOIL Origin:FEDERAL WAY/KING 100%				
Signature _____						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE \_\_\_\_\_

**APPENDIX C**  
**Report Limitations and Guidelines for Use**

## **APPENDIX C REPORT LIMITATIONS AND GUIDELINES FOR USE<sup>1</sup>**

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 performed these environmental services for the Redondo Heights Apartments project located approximately 600 feet east of Pacific Highway South (HWY 99) on South 276<sup>th</sup> Street in Federal Way, Washington in general accordance with the scope and limitations of our proposal, dated May 10, 2022. This report has been prepared for the exclusive use of Shelter Resources, Inc. and their authorized agents. 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 Shelter Resources, Inc. and their authorized agents for the Redondo Heights Apartments project located approximately 600 feet east of Pacific Highway South (HWY 99) on South 276<sup>th</sup> Street 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.

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<sup>1</sup> Developed based on material provided by GBA, GeoProfessional Business Association; [www.geoprofessional.org](http://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.

### **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.

### **Do Not Redraw the Exploration Logs**

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design documents. Only photographic or electronic reproduction that preserves the entire original boring log is acceptable but separating logs from the report can create increase the risk of potential misinterpretation.

### **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.