CREEKSIDE ENVIRONMENTAL CONSULTING, LLC

EVREN NORTHWEST INC.
environmental & natural resource consultants

TECHNICAL MEMORANDUM

SUPPLEMENTAL CONTAMINATED MEDIA MANAGEMENT PLAN IMPLEMENTATION REPORT (TEMPORARY SOIL STOCKPILE SP20)

Former Superior Tire Site

1409 NE Columbia Boulevard
Portland, Oregon

Agency Information

ECSI NO. 4017

Prepared for:

OREGON HUMANE SOCIETY

1067 NE Columbia Boulevard
Portland, Oregon 97211

Issued on:

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Creekside Environmental Consulting, LLC

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This

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Has been prepared for the sole benefit and use of our Client:

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Portland, Oregon 97211

Issued October 10, 2022 *by:*

Creekside Environmental Consulting, LLC
40 SE 24th Avenue, Suite A, Portland, Oregon 97214
(503) 692-8118

Brent Jorgensen

Brent Jorgensen, *Project Manager, Creekside*

REGISTERED PROFESSIONAL OREGON PAUL M. TRONE No. G1178 GEOLOGIST EXP 6-30-23

EVREN NORTHWEST INC. environmental natural resource consultants

REGISTERED PROFESSIONAL OREGON EVAN J. BRUGGEMAN G2578 GEOLOGIST EXP 1/1/23

Paul M. Trone

Paul M. Trone, R.G.
Principal Geologist

Evan Bruggeman, R.G.
Principal Field Geologist

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List of Acronyms and Abbreviations

CFSLs	Clean Fill Screening Levels
Client	Oregon Humane Society (OHS)
CMMP	Contaminated Media Management Plan
Creekside	Creekside Environmental Consulting LLC
DRO	diesel-range organics
DU	decision unit
ECSI	Environmental Cleanup and Site Information
ENW	EVREN Northwest, Inc.
F&BI	Friedman & Bruya, Inc.
GRO	gasoline-range organics
ISM	Incremental Sampling Methodology
ITRC	Interstate Technology & Regulatory Council
LC Lewis	Lease Crutcher Lewis (General Contractor)
mg/Kg	milligrams per kilogram
MRL	method reporting limit
ODEQ	Oregon Department of Environmental Quality
OHS	Oregon Humane Society (Client)
OWS	oil-water separator
PAHs	polynuclear aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PR Worth	P.R. Worth Inc. (Civil Contractor)
Qal	Quaternary alluvium
RCRA	Resource Conservation and Recovery Act
RPD	relative percent difference
RRO	residual (oil)-range organics
SVOCs	semi-volatile organic constituents
TM	Tech Memo
WAM	Waste Authorization Manager

1.0 Introduction

Creekside Environmental Consulting (Creekside) prepared this Supplemental Contaminated Media Management Plan (CMMP) Implementation Technical Memorandum (TM) on behalf of the Oregon Humane Society (OHS, client) for the subject site located at 1409 NE Columbia Boulevard, Portland, Oregon (see Figures 1 and 2) pursuant to the CMMP prepared for this facility.[1] EVREN Northwest, Inc. (ENW) collaborated with Creekside with this oversight work. An Interim CMMP Implementation TM was previously prepared to document soil management for thirteen (13) soil piles (SP01 through SP13) generated on the subject site between April and August 2021[2], and eight (8) soil piles (SP14-SP16, SP17a and SP17b, SP18a and SP18b, and SP19) generated at the subject site between September 2021 and July 2022.[3] This supplemental TM documents Creekside/ENW's oversight of CMMP implementation activities during re-development of the former Superior Tire site as OHS' New Road Ahead facility that were completed between July-August 2022 and specifically for temporary soil stockpile SP20.

1.1 Background

The subject property is located at the northwest corner of the intersection of NE 14th Place and NE Columbia Boulevard in an industrial land use area and bordered by Humane Society-owned properties to the west and north. A complete account of site use history and property description are included in previous reports prepared by Creekside/ENW and others.[1,2,4,5,6]

2.0 CMMP Implementation and Oversight

Creekside/ENW provided oversight during re-development of site in accordance with the CMMP as follows.

- Health & Safety Planning
- Soil Management

[1] Creekside/ENW. April 29, 2020. *Contaminated Media Management Plan*, Oregon Humane Society, 1409 NE Columbia Boulevard, Portland, Oregon.

[2] Creekside/ENW. October 14, 2021. *Technical Memorandum, Contaminated Media Management Plan Interim Implementation Report,* Oregon Humane Society, 1409 NE Columbia Boulevard, Portland, Oregon.

[3] Creekside/ENW. August 3, 2022. *Technical Memorandum, Supplemental Contaminated Media Management Plan Implementation Report (Temporary Soil Stockpiles SP14 through SP19),* Former Superior Tire Site, 1409 NE Columbia Boulevard, Portland, Oregon.

[4] Creekside/ENW, September 24, 2018. *Focused Phase II Environmental Site Assessment*, Superior Tire Site, 1409 NE Columbia Boulevard, Portland, Oregon.

[5] Farallon Consulting, May 29, 2014. *Limited Subsurface Investigation*, Superior Tire Property, 1409-1411 NE Columbia Boulevard, Portland, Oregon.

[6] Creekside/ENW, February 19, 2020. Risk Assessment, Superior Tire Site, 1409 NE Columbia Boulevard, Portland, Oregon.

  - Pre-Construction – profiling soils, permitting for disposal, and planning unrestricted fill options
  - Construction – decommissioning oil-water separator (OWS), identifying impacted soils, sampling soil stockpiles, and
  - Reporting CMMP implementation activities
- Ongoing Management of Soil According to CMMP

A photographic log, which documents activities conducted during implementation, is included as Attachment A.

3.0 Health and Safety Planning

Creekside/ENW outlined Hazard Communications and Health and Safety Planning requirements in its CMMP (see Section 2.4 of the CMMP),[1] which representatives of OHS, their General Contractor (Lease Crutcher Lewis [LC Lewis]), and Civil Contractor (P.R. Worth, Inc. [PR Worth]) reviewed and signed on March 8, 2021. Creekside/ENW followed its own Corporate Health and Safety protocols when engaged in activities at the subject property.

4.0 Soil Management

4.1 Pre-Construction

Soil Profiling. Knife River agreed to accept at its Gresham Pit all unrestricted clean fill generated during the course of earthwork at the subject property, while impacted soils would be disposed of at Waste Management's Hillsboro Landfill under previously approved profile #135359OR. OHS authorized Creekside/ENW to provide CMMP oversight actions, such as:

- field screening and identifying impacted in-situ and stockpiled soils,
- sampling and analyzing soil stockpiles for disposal characterization purposes,
- tabulating, validating, and evaluating laboratory analytical results,
- determining if the removed soil meets the requirements for unrestricted clean fill or requires disposal at a Resource Conservation and Recovery Act (RCRA) regulated Subtitle D or Subtitle C (hazardous waste) landfill, and
- documenting our waste determination for each soil stockpile in this TM.

4.2 Construction

Implementation oversight by Creekside/ENW began as OHS' contractors LC Lewis and PR Worth initiated construction of its *New Road Ahead* facility at the subject property. Creekside/ENW oversaw sampling and analyzing of several soil stockpiles generated in concert with demolition, grading, foundations, and utilities earthwork at the subject property. Four (4) principal excavations generated soils placed in

temporary stockpiles SP01-SP13 at the site as described in Creekside/ENW's *Interim Implementation Report*.[2]

Additional excavations were subsequently completed from September 2021 through July 2022 in the central part of the site, construction entrance on the east side of the site, and at miscellaneous other locations resulting in the generation of soil piles SP14, SP15, SP16, SP17a, SB17b, SP18a, SP18b, and SP19 respectively.

In July-August 2022, a trench excavation was completed along the west side of the new community veterinary hospital and at three swales located south and east of the BMOD – rescue center, near the eastern site boundary, which were combined in temporary stockpile SP20 located north of the northeast corner of the new community veterinary hospital building.

4.2.1 Soil Stockpile Sampling and Analysis

To characterize temporary soil stockpile SP20 at the subject site, ENW staff employed Incremental Sampling Methodology (ISM) developed by the Interstate Technology & Regulatory Council (ITRC).[7] Under this method, this stockpile is referred to as a decision unit (DU), and the compositing and subsequent laboratory processing provides a reliable estimate of the average contaminant concentration across the stockpile that can be used to make waste determination decisions. During the course of sampling, the following soil pile characteristics were noted:

- Approximate location
- Source excavation area(s)
- Soil type(s)
- Field identification of impacts
- Soil pile dimensions
- Soil pile estimated volume
- Date sampled
- Number of increments sampled

Table 1 (attached following text) summarizes for the stockpile sampled its location, source area, type soils, field evidence of impacts, dimensions, estimated volume, sampling date, and the number of increments collected from the top, middle, bottom, and perimeter of the soil pile. The approximate locations of temporary soil pile SP20 and its source area excavations are shown on Figure 3.

Field Identifying Impacted Soils. Soil materials were screened with special attention to description of staining/color, sheen, odor, and solid waste, if any. In addition to visual and olfactory screening, semi-quantitative headspace screening was periodically performed by placing selected soil samples in a Ziploc® bag, breaking the soil core to expose surface area inside the bag, and inserting a photoionization detector (PID) tip into the bag. Soils identified with staining or discoloration, a sheen, odor, and/or with inclusions of solid waste, did not qualify as unrestricted clean fill. Soil observed with such characteristics were not placed in stockpiles and were instead segregated and removed from the site to the landfill under the approved profile.

[7] https://ism-2.itrcweb.org/introduction/

Soil Pile Dimensions and Volume. Areal dimensions were taped or paced. Soil pile heights were estimated. Volumes were calculated on the basis of field measurements and simple geometry of each soil pile.

Increments. The DU sample from SP20 consisted of 50 increments, collected using a decontaminated stainless-steel hand auger from upper, bottom, and side portions of the soil pile. Each sample increment consisted of an approximate 40-gram soil mass. Gravel (>1/8-inch diameter) and debris (roots, twigs, bark) were removed prior to collection.

The sample increments from SP20 were collected and placed into a laboratory-provided one-gallon glass sample jar, using clean nitrile gloves. The sample jar was sealed with a Teflon-lined lid, uniquely labelled, and preserved on ice pending transport to the laboratory under chain-of-custody procedures. A duplicate soil sample was collected using a 5035 volatile sampling kit for possible VOCs analysis.

The sample was labeled as follows: SP20-220823, indicating it came from temporary soil pile 20 and was collected on August 23, 2022.

4.2.2 Laboratory Sub-sampling, Compositing, and Analytical Methods

Sample containers were delivered to Friedman & Bruya, Inc. (F&BI) of Seattle, Washington for analysis under formal chain-of-custody protocol. F&BI processed the ISM sample in accordance with ITRC protocols, i.e., air dried, sieved, subsampled, and composited. The discrete sample collected for analysis of volatile organic constituents (VOCs) was held pending results of the gasoline-range organics (GRO), diesel-range organics (DRO), and residual (oil)-range organics (RRO) analyses of the ISM sample. A discrete soil sample was collected for VOCs analysis in lieu of analyzing the ISM sample for VOCs so that any VOCs in the ISM sample would not be volatilized and lost during ISM processing.

Samples were analyzed for select constituents using the analytical methods presented in Table 4-1. Analytical results are presented in Table 2 (attached after text). Copies of the F&BI and Fremont laboratory analytical reports and chain-of-custody documentation are provided in Attachment B.

Table 4-1. Analytical Methods

Analytical Method	Constituents	Soil
NWTPH-Gx	Northwest Total petroleum hydrocarbon gasoline-range organics (GRO)	Soil Pile DU sample
NWTPH-Dx	Northwest Total petroleum hydrocarbon diesel-range organics (DRO) and residual (oil)-range organics (RRO)	Soil Pile DU Sample
EPA 6020B	Resource Conservation and Recovery Act (RCRA 8) Total Metals	Soil Pile DU samples
EPA 8270E	Polynuclear Aromatic Hydrocarbons (PAHs)	Sample with detections of DRO and/or RRO
EPA 8260D	Volatile Organic Constituents (VOCs)	Select samples with detections of GRO, DRO and/or RRO
EPA 8021B	Benzene, toluene, ethylbenzene, and xylenes (total)	Select samples with detections of DRO and/or RRO
EPA 8082A	Polychlorinated Biphenyls (PCBs)	Samples with detections of DRO and/or RRO

4.2.3 Numeric Standards

Analytical results for this Scope of Work were compared to:

- Background concentrations established by the Oregon Department of Environmental Quality (ODEQ).[8] ODEQ does not require cleanup for metals concentrations below default background concentrations.
- Clean fill screening levels (CFSLs) for upland sites established by the ODEQ.[9] ODEQ does not require materials in which contaminant concentrations are less than or equal to CFSLs to be regulated as a solid waste. *CFSLs are used to determine if impacts to soil may require future management and are not used for risk screening.*

4.2.4 Findings

This section summarizes the findings of the FSI. For additional information, please reference:

- *Table 1 (following the Tables Tab after text) – summarizes soil pile disposition and number of increments sampled*
- *Table 2 (following the Tables Tab after text) – summarizes the temporary soil stockpile analytical data*
- *Figure 3 – shows temporary soil stockpile locations*
- *Attachment A – presents photographs taken during CMMP oversight work*
- *Attachment B – presents laboratory analytical reports*

Laboratory analytical results of temporary stockpile sample analyses are summarized in this section.

Petroleum Hydrocarbon Results.

- **GRO.** Gasoline-range organics (GRO) was less than the laboratory method reporting (MRL).
- **DRO.** Diesel-range organics (DRO) was less than the laboratory MRL.
- **RRO.** Residual (oil)-range organics (RRO) was detected at a concentration three to four orders of magnitude less than ODEQ's CFSL of 140,000 mg/Kg.

Since petroleum hydrocarbon ranges were detected, follow-up constituent analyses were conducted (as outlined in Table 4-1).

Volatile Organic Constituents (VOCs). None of the VOCs were detected above MRLs in the discrete sample from SP20.

Semi-Volatile Organic Constituents (SVOCs). SP20 was analyzed for PAHs and PCBs.

- Eight PAHs were detected in SP20 at concentrations less than ODEQ's CFSLs: benz[a]anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-c,d)pyrene, and pyrene.

[8] ODEQ. March 20, 2013, Fact Sheet: Background Levels of Metals in Soils for Cleanups.

[9] ODEQ, 2019. Clean Fill Determinations: Internal Management Directive, last updated February 21, 2019, by Audrey O'Brien. Clean Fill Table for Uplands last updated by Heather Kuoppamaki, ODEQ, June 17, 2019.

- PCBs as Aroclors were not detected above laboratory MRLs.

RCRA 8 Metals (Totals). TP20 was analyzed for RCRA 8 total metals. Arsenic, barium, chromium (total), and lead were detected in the sample.

- **Arsenic** – Arsenic was detected at a concentration less than ODEQ's default regional background concentration and CFSL of 8.8 mg/Kg, suggesting arsenic was not enriched in the temporary stockpiled soil.
- **Barium** – Detected at a concentration less than ODEQ's default background concentration / CFSL, suggesting barium was not enriched in the temporary stockpiled soil.
- **Cadmium** - Not detected in any sample above the laboratory MRL.
- **Chromium (total)** – Detected at a concentration less than ODEQ's default background concentration / CFSL, suggesting chromium was not enriched in the temporary stockpiled soil.
- **Lead** – Detected at a concentration less than ODEQ's default regional background concentration of 28 mg/Kg for the Portland Basin, which assumes no anthropogenic influence.
- **Mercury** – Not detected in the sample above the laboratory MRL.
- **Silver** – Not detected in the sample above the laboratory MRL.

Waste Management Discussion. The analytical results suggest the following waste management considerations for SP20 (see Waste Management Matrix in Table 3):

- Only RRO was detected, though at a concentration less than ODEQ's CFSL. Follow-up constituents analyzed were either not reported above laboratory MRLs or reported at a concentration less than ODEQ's CFSLs or regional default background concentrations for metals.
- No field evidence of impacts was noted, other than a de minimis area exhibiting a darker color than the rest of the stockpiled soil. However, there was no accompanying odor or field detection of VOCs.
- Therefore, ENW concludes that, in the absence of staining, odor, or solid waste, soils in SP20 qualify as unrestricted clean fill.

Quality Assurance / Quality Control. Laboratory data are generally suitable for the intended use of disposal characterization. A data validation check sheet included with the analytical report in Attachment B summarizes laboratory annotations and quality control notes. None of the annotated quality control notes compromise the validity or usability of the data.

MRLs above CFSLs. In reviewing Table 2, there are instances where a constituent was not detected; however, its laboratory MRL is greater than the CFSL. These instances are noted with a "(TRUE)" in the final column of Table 2.

Such constituents are summarized in Table 4-2 along with their CFSLs, laboratory MRLs, an indication if the MRL was raised due to dilution, number of samples with an MRL that exceeded the CFSL, the relative percent difference (RPD) of the MRL and CFSL, and whether the constituent was previously detected in soils at the site.

Table 4-2 Summary of Non-Detects in Comparison to CFSLs

Constituents	CFSL	MRL		MRL Raised Due to Dilution	# Exceeded	RPD	RPD	Previously Detected?
	mg/Kg	mg/Kg	mg/Kg	(Y/N)				(Y/N)
Benzene	0.023	0.03		N	1	26%		N
Bromodichloromethane	0.002	0.05		N	1	185%		N
Bromoform	0.046	0.05		N	1	8%		N
Bromomethane	0.083	0.5		N	1	143%		N
Carbon tetrachloride	0.013	0.05		N	1	117%		N
Chlorodibromomethane	0.0024	0.05		N	1	182%		N
Chloroform	0.0034	0.05		N	1	175%		N
1,1-Dichloroethane	0.044	0.05		N	1	13%		N
Dichloromethane	0.14	0.5		N	1	113%		Y
1,2-Dibromoethane (EDB)	0.00012	0.05		N	1	199%		N
1,2-Dichloroethane (EDC)	0.0028	0.05		N	1	179%		N
1,1,2-Trichloroethane	0.0063	0.05		N	1	155%		N
Trichloroethene	0.013	0.02		N	1	42%		N
Vinyl Chloride	0.00057	0.05		N	1	195%		N
Cadmium	0.63	1		N	1	45%		Y
Mercury	0.23	1		N	1	125%		N
Silver	0.82	1		N	1	20%		N

Sample dilution was not conducted.

Analytes in Table 4-3 that were previously detected in soils at the site:

- **VOCs.** Only dichloromethane (methylene chloride), which was determined in each case to be due to laboratory contamination. Its MRL exceeded the CFSL, though was not raised by dilution.
- **Metals.** Only cadmium. Its MRL exceeded the CFSL, though was not raised by dilution.

Thus, it is possible that cadmium, though reported at concentrations less than laboratory MRLs, may have been present at concentrations greater than CFSLs. However, it should be noted that:

- Historically, cadmium was only detected at a concentration greater that its CFSL in a sample of subsurface soil collected at a depth (15-feet bgs) greater than what is being excavated at this site. And, that same sample had elevated concentrations of other metals (i.e., lead and barium) that were not observed in any of the stockpiled samples. Therefore, the elevated MRL for cadmium is not likely to impact the decision making regarding the characterization of stockpile soil.

It is less likely that any of the VOCs, though less than laboratory MRLs, were present in soils at concentrations greater than CFSLs, given the only VOC (dichloromethane) ever detected having an MRL elevated above its CFSL was a likely laboratory-introduced contaminant.

4.2.5 Waste Management

According to Waste Management's tonnage report for WAM #135359OR, a total of 5,820.04 tons of soil that did not qualify as unrestricted clean fill were disposed of at Hillsboro Landfill between June 1, 2021 and July 22, 2022. To date, an estimated 18,000 loose cubic yards of unrestricted clean fill soil were placed at Knife River's Gresham Pit. A copy of Waste Management's Hillsboro Landfill tonnage report is included in Attachment C.

4.3 Post-Construction

4.3.1 Reporting CMMP Activities

This supplemental TM provides a summary of soil disposition during redevelopment efforts at the subject site. Creekside/ENW understands that no additional soil excavation is planned at the conclusion of construction of OHS' New Road Ahead facility.

Once construction activities are confirmed as complete, Creekside/ENW will prepare a summary memorandum, summarizing the final disposition of all soil exported from the subject site.

5.0 Limitations

The scope of this report is limited to observations made during on-site work; interviews with knowledgeable sources; and review of readily available published and unpublished reports and literature. As a result, these conclusions are based on information supplied by others as well as interpretations by qualified parties.

The focus of the work does not extend to the presence of the following conditions:

1. Naturally occurring toxic or hazardous substances in the subsurface soils, geology, and water,
2. Toxicity of substances common in current habitable environments, such as stored chemicals, products, building materials and consumables,
3. Contaminants or contaminant concentrations that are not a concern now but may be under future regulatory standards,
4. Unpredictable events that may occur after Creekside/ENW's site work, such as illegal dumping or accidental spillage.

There is no practice that is thorough enough to absolutely identify the presence of all hazardous substances that may be present at a given site. Creekside/ENW's investigation has been focused only on the potential for contamination that was specifically identified in the Scope of Work. Therefore, if contamination other than that specifically mentioned is present and not identified as part of a limited Scope of Work, Creekside/ENW's environmental investigation shall not be construed as a guaranteed absence of such materials. Creekside/ENW has endeavored to collect representative analytical samples for the locations and depths indicated in this report. However, no sampling program can thoroughly identify all variations in contaminant distribution.

We have performed our services for this project in accordance with our agreement and understanding with the client. This document and the information contained herein have been prepared solely for the use of the client.

Creekside/ENW performed this study under a limited scope of services per our agreement. Creekside/ENW assumes no responsibility for conditions that we did not specifically evaluate or conditions that were not generally recognized as environmentally unacceptable at the time this report was prepared.

Tables

Table 1
Soil Pile Disposition and Sampling Summary

Soil Pile ID	Soil Pile Location	Source Excavation Area	Type Soils	Field Identification of Impacts			Width	Length	Area	Height	Est. Volume	Date Sampled	# Increments Sampled							Place of Disposition
				Headspace (ppmv)	Staining (Y/N)	Odor (Y/N)	*feet*	*feet*	*square feet*	*feet*	*cubic yards*		*Top*	*Middle*	*Bottom*	*Sides*	*Total*	*Rep 1*	*Rep 2*	
SP20	North of the NE corner of the new community veterinary hospital	Trench west of the community veterinary hospital and three swales south and east of the BMOD rescue center	SM	0.0	N[1]	N	22	50	812	4-5	2580	8/23/2022	15	---	15	20	50	---	---	Knife River / Onsite Fill

Estimated Total Volume (Includes SP01-SP20)	27650	CY
Estimated Total Volume taken to Knife River (Includes SP01-SP04, SP06-SP10, SP12, SP15, SP20)	18000	CY
Estimated Total Volume taken to Landfill and/or reused onsite (Includes SP05, SP11, SP13, SP14, SP16, SP17a, SP17b, SP18a, SP18b and SP19)	9650	CY
Transaction History (WAM # 135359OR- 6/1/21-7/22/22)	5820	Tons
Transaction History (WAM # 137599OR- 5/4/22-5/5/22)	52	

1. De minimis area exhibiting a darker color than the rest of the pile. No odor, no sheen, no volatile organic constituents detected in field headspace analysis using a photoionization detector

Table 2 - Summary of Analytical Data, Soil

Location ID		Clean Fill Screening Levels (CFSLs) or Background Concentrations (as applicable)	SP20	Maximum Soil Concentration (in stockpiled soil)	Background Concentrations (Regional Default)	Clean Fill Screening Levels (CFSLs) or Background Concentrations (as applicable)	Maximum Soil Concentration Exceeds Clean Fill Screening Level
Sample ID			SP20-220823				
Date Sampled			8/23/22				
Sampled By			ENW				
Location			North of the NE corner North of the NE corner of the new community veterinary hospital		Portland Basin		TRUE OR Y FALSE OR N
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)			
Volatile Organic Constituents							
Benzene	c, v	0.023	<0.03 (ND)	<0.03 (ND)	---	0.023	(TRUE)
Bromodichloromethane	c, v	0.002	<0.05 (ND)	<0.05 (ND)	---	0.002	(TRUE)
Bromoform	c, v	0.046	<0.05 (ND)	<0.05 (ND)	---	0.046	(TRUE)
Bromomethane	nc, v	0.083	<0.5 (ND)	<0.5 (ND)	---	0.083	(TRUE)
Carbon tetrachloride	c, v	0.013	<0.05 (ND)	<0.05 (ND)	---	0.013	(TRUE)
Chlorobenzene	nc, v	2.4	<0.05 (ND)	<0.05 (ND)	---	2.4	FALSE
Chlorodibromomethane (dibromochloromethane)	c, v	0.0024	<0.05 (ND)	<0.05 (ND)	---	0.0024	(TRUE)
Chloroethane (ethyl chloride)	nc, v	310	<0.5 (ND)	<0.5 (ND)	---	310	FALSE
Chloroform	c, v	0.0034	<0.05 (ND)	<0.05 (ND)	---	0.0034	(TRUE)
Chloromethane	nc, v	2.2	<0.5 (ND)	<0.5 (ND)	---	2.2	FALSE
1,2-Dichlorobenzene	nc, v	0.92	<0.05 (ND)	<0.05 (ND)	---	0.92	FALSE
1,4-Dichlorobenzene	c, v	0.057	<0.05 (ND)	<0.05 (ND)	---	0.057	FALSE
1,1-Dichloroethane	c, v	0.044	<0.05 (ND)	<0.05 (ND)	---	0.044	(TRUE)
1,1-Dichloroethene	nc, v	6.7	<0.05 (ND)	<0.05 (ND)	---	6.7	FALSE
cis-1,2-Dichloroethene	nc, v	0.63	<0.05 (ND)	<0.05 (ND)	---	0.63	FALSE
trans-1,2-Dichloroethene	nc, v	7	<0.05 (ND)	<0.05 (ND)	---	7	FALSE
Dichloromethane	c, v	0.14	<0.5 (ND)	<0.5 (ND)	---	0.14	(TRUE)
EDB (1,2-dibromoethane)	c, v	0.00012	<0.05 (ND)	<0.05 (ND)	---	0.00012	(TRUE)
EDC (1,2-dichloroethane)	c, v	0.0028	<0.05 (ND)	<0.05 (ND)	---	0.0028	(TRUE)
Ethylbenzene	c, v	0.22	<0.05 (ND)	<0.05 (ND)	---	0.22	FALSE
MTBE (methyl t-butyl ether)	c, v	0.11	<0.05 (ND)	<0.05 (ND)	---	0.11	FALSE
Naphthalene	c, v	0.077	<0.01 (ND)	<0.01 (ND)	---	0.077	FALSE
iso-Propylbenzene (cumene)	nc, v	96	<0.05 (ND)	<0.05 (ND)	---	96	FALSE
Tetrachloroethene (PCE)	c, v	0.18	<0.025 (ND)	<0.025 (ND)	---	0.18	FALSE
Toluene	nc, v	23	<0.05 (ND)	<0.05 (ND)	---	23	FALSE
1,1,1-Trichloroethane	nc, v	190	<0.05 (ND)	<0.05 (ND)	---	190	FALSE
1,1,2-Trichloroethane	c, v	0.0063	<0.05 (ND)	<0.05 (ND)	---	0.0063	(TRUE)
Trichloroethene	NA, v	0.013	<0.02 (ND)	<0.02 (ND)	---	0.013	(TRUE)
Trichlorofluoromethane (Freon 11)	nc, v	52	<0.5 (ND)	<0.5 (ND)	---	52	FALSE
1,2,4-Trimethylbenzene	nc, v	10	<0.05 (ND)	<0.05 (ND)	---	10	FALSE
1,3,5-Trimethylbenzene	nc, v	11	<0.05 (ND)	<0.05 (ND)	---	11	FALSE
Vinyl chloride	c, v	0.00057	<0.05 (ND)	<0.05 (ND)	---	0.00057	(TRUE)
Xylenes	nc, v	1.4	<0.15 (ND)	<0.15 (ND)	---	1.4	FALSE
Metals							
Arsenic	c, nv	8.8	3.50	3.5	8.8	8.8	FALSE
Barium	nc, nv	790	71.8	71.8	790	790	FALSE
Cadmium	nc, nv	0.63	<1 (ND)	<1 (ND)	0.63	0.63	(TRUE)
Chromium (III)	nc, nv	76	5.78	5.78	76	76	FALSE
Lead	NA, nv	28	12.3	12.3	79	28	FALSE
Mercury	nc, nv	0.23	<1 (ND)	<1 (ND)	0.23	0.23	(TRUE)
Silver	nc, nv	0.82	<1 (ND)	<1 (ND)	0.82	0.82	(TRUE)
Semivolatile Organic Constituents							
Polychlorinated biphenyls (Total PCBs)	c, v	0.23	<0.02 (ND)	<0.02 (ND)	---	0.23	FALSE
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	nc, v	0.25	<0.01 (ND)	<0.01 (ND)	---	0.25	FALSE
Anthracene	nc, v	6.8	<0.01 (ND)	<0.01 (ND)	---	6.8	FALSE
Benz[a]anthracene	c, v	0.73	0.034	0.034	---	0.73	FALSE
Benzo[a]pyrene (BaP equivalents)	c, nv	0.11	0.082	0.082	---	0.11	FALSE
Benzo[b]fluoranthene	c, nv	1.1	0.088	0.088	---	1.1	FALSE
Benzo[k]fluoranthene	c, nv	11	0.024	0.024	---	11	FALSE
Chrysene	c, nv	3.1	0.053	0.053	---	3.1	FALSE
Dibenz[a,h]anthracene	c, nv	0.11	<0.01 (ND)	<0.01 (ND)	---	0.11	FALSE
Fluoranthene	nc, nv	10	0.060	0.06	---	10	FALSE
Fluorene	nc, v	3.7	<0.01 (ND)	<0.01 (ND)	---	3.7	FALSE
Indeno[1,2,3-cd]pyrene	c, nv	1.1	0.076	0.076	---	1.1	FALSE
Pyrene	nc, v	10	0.10	0.10	---	10	FALSE
Total Petroleum Hydrocarbons							
GRO	nc, v	520	<5 (ND)	<5 (ND)	---	520	FALSE
DRO	nc, v	90	<5 (ND)	<5 (ND)	---	90	FALSE
RRO	nc, nv	140000	31	31	---	140000	FALSE

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

[1] Lowest Risk-Based Concentration for soil (screening level).

Y or TRUE = analyte concentration is greater than the screening concentration
(Y or TRUE) indicates analyte not detected, but detection limit is above screening concentration.
x = the pattern of peaks is not indicative of the fuel standard used for quantitation.

Table 3
Soil Pile Management Matrix

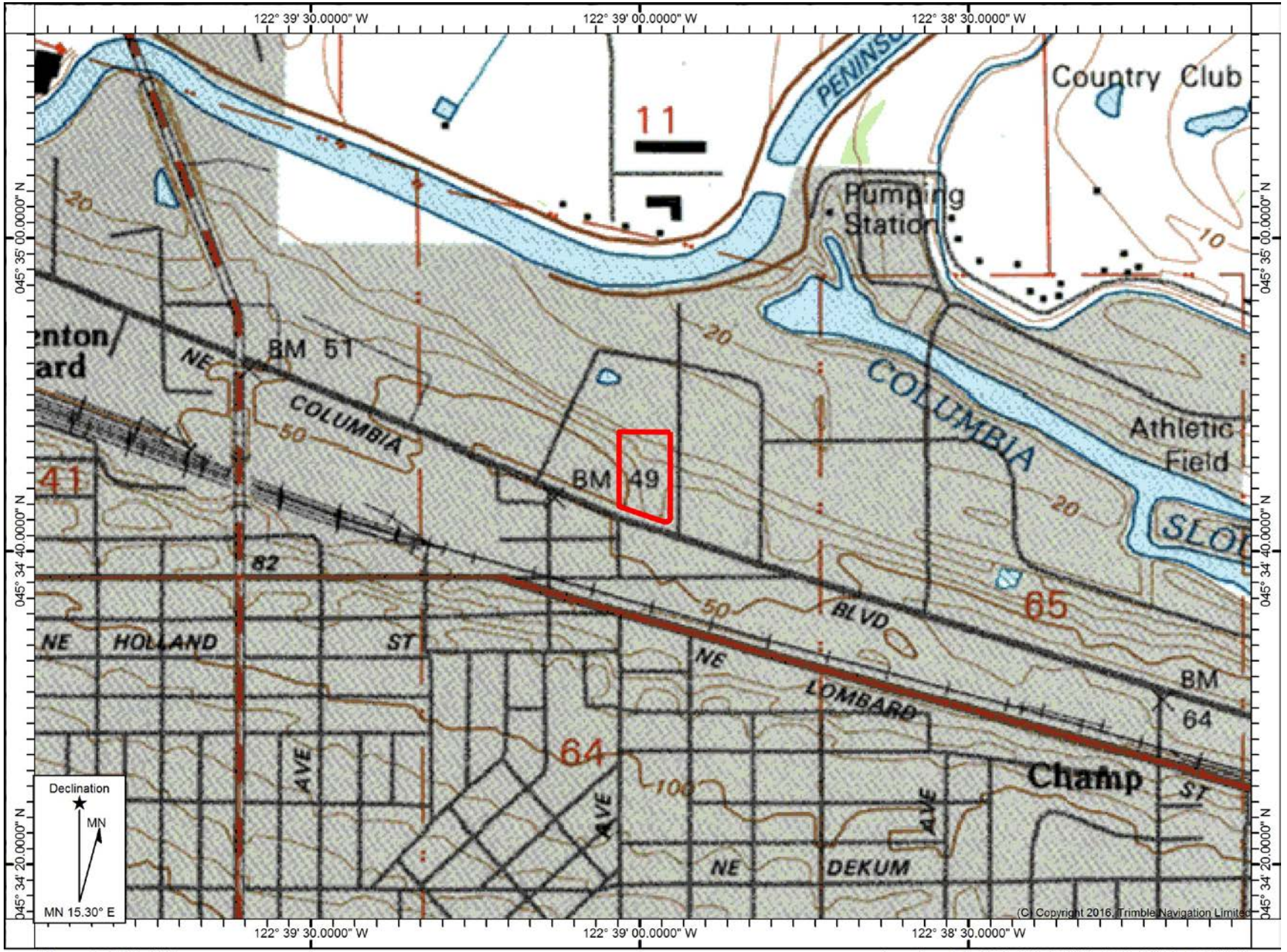
Soil Pile	Sample Name	> CFSL and/or Background (metals)?												ACBM Present?	Staining Present?	Emits Odor? (PID [ppmv])	Anthropogenic Materials (solid waste)?	Clean Fill?
		GRO	DRO	RRO	VOCs	N	PAHs	PCBs	Arsenic	Cadmium	Lead	Mercury	Silver					Yes/No
SP20	SP20-220823	No (ND)	No (ND)	No	No (ND)	No (ND)	No	No (ND)	No	No (ND)	No	No (ND)	No (ND)	No	No[8]	No (0.0)	No	Yes[3]

Notes:

3. Provided the guidelines for end use placement in ODEQ's Clean Fill Guidance are followed.
8. De minimis area of darker color, no odor, no sheen, no VOCs detected

ACBM = Asbestos-containing building materials
CFSL = Clean Fill Screening Level
DRO = Diesel-Range Organics
GRO = Gasoline-Range Organics
ND = Not Detected
N = Naphthalene
PAHs = Polynuclear Aromatic Hydrocarbons
PCBs = Polychlorinated Biphenyls
ppmv = parts per million by volume
RRO = Residual (Lube Oil)-Range Organics
PID = Photoionization reading in ppmv

Figures



Name: PORTLAND
Date: Jan 1, 1990

0 1000 2000
Feet

Location: 045° 34' 44.8174" N, 122° 38' 59.7370" W
Contour Interval: 10 ft

	Date Drawn: 9/6/2018 CAD File Name: 351-18019-fig1sv_map(v01) Drawn By: JOB Approved By: LDG	Superior Tire Site 1409 NE Columbia Boulevard Portland, Oregon	**Site Vicinity Map**	Project No. 351-18019 Figure No. **1**

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
C. ROSEBROOK 05/14/2020	P. TRONE 07/14/2021	L. GREEN 07/14/2021	351-18019(v01)

STEEP SLOPE

TIRE STORAGE

FORMER SAND BLASTING AREA

CB05

DW04

RD

MAINTENANCE/ REPAIR AREA

WASTE OIL

TIRE STORAGE

NE BUILDING

LARGE PAINT CHIP AREA

CB06

WASTE OIL

DW03

RD

OFFICES

CB04

TIRE STORAGE

WEST BUILDING

CB09

PAPE MACHINERY

CB07

WASHRACK AREA

CB01

FORMER USED MACHINERY SALES OFFICE

GRAVEL

TIRE STORAGE

DW02

DW01

#1

SE BUILDING

CB03

CB02

CANOPY

AD01

VAULT

RD

#2

FORMER BOILER ROOM

CB08

CB04

OFFICES/ SHOWROOM

OILY SPILL

SLOPE

NE COLUMBIA BLVD

NE 14TH AVE

NE 14TH PL

SS

LEGEND:

- SUBJECT PROPERTY BOUNDARIES
- SUBJECT BUILDINGS
- POLE TRANSFORMER
- CATCH BASIN
- RD ROOF DOWNSPOUT
- AREA DRAIN
- DRYWELL
- STORM SYSTEM
- CITY SANITARY SEWER
- OIL/WATER SEPERATOR
- FORMER UNDERGROUND STORAGE TANK
  - #1 10,000-GALLON DIESEL (DECOMMISSIONED BY REMOVAL 1990)
  - #2 6,000-GALLON GASOLINE (DECOMMISSIONED BY REMOVAL 1990)
- FORMER PRODUCT LINE
- FORMER EXCAVATION BOUNDARIES
  1. SAND BLAST GRIT
  2. BLACK SAND
  3. PAINT CHIPS, SAND BLAST GRIT, & GARBAGE
  4. WHITE SAND & GRAY SAND
  5. SAND BLAST GRIT
  6. PAINT CHIPS & SAND BLAST GRIT
  7. PCS EXCAVATION LIMITS
- INFERRED AREA OF RESIDUAL IMPACTED SOIL (>1000 MG/KG) BASED ON DATA COLLECTED BY SNELL ENVIRONMENTAL CONSULTING

NOTES:

1. BASE MAP DEVELOPED FROM AN AERIAL PHOTOGRAPH MAP DATED 2015 AND ENW FIELD NOTES.
2. ALL BUILDING, STREET, AND FEATURE LOCATIONS ARE APPROXIMATE.
3. SYMBOLS REPRESENT LOCATION AND DO NOT ALWAYS REPRESENT EXACT SHAPE, SIZE, OR ORIENTATION

APPROXIMATE SCALE

0 60 120 FEET

N

CREEKSIDE ENVIRONMENTAL CONSULTING, LLC
40 SE 24TH AVENUE, SUITE A
PORTLAND, OREGON 97214
(503) 692-8118

FIGURE 2

SITE PLAN
PRIOR TO REDEVELOPMENT

OREGON HUMANE SOCIETY
1409 NE COLUMBIA BOULEVARD
PORTLAND, OREGON

DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER	351-18019(v01)
C. ROSEBROOK	10/07/2022	P. TRONE	10/07/2022	L. GREEN	10/07/2022		

CONTINUES TO CITY OUTFALL 65 AT THE LOWER COLUMBIA SLOUGH

STORM WATER MONITORING LOCATION

COVERED DOG RUN

BMOD - RESCUE CENTER

TRASH ENCLOSURE

COVERED DOG RUN

WATER QUALITY VAULT

TRASH ENCLOSURE

SP20

FRENCH DRAIN

COMMUNITY VETERINARY HOSPITAL

FRENCH DRAIN

CITY STORM SEWER

NE 14TH AVENUE

NE COLUMBIA BOULEVARD

LEGEND:

- SUBJECT PROPERTY BOUNDARIES
- EXISTING BUILDINGS
- TP14 — TEMPORARY SOIL PILES
- SWALES (SOURCE OF SP20 SOILS)

1. BASE MAP DEVELOPED FROM AN AERIAL PHOTOGRAPH MAP DATED 2021 AND ENW FIELD NOTES.
2. ALL BUILDING, STREET, AND FEATURE LOCATIONS ARE APPROXIMATE.
3. SYMBOLS REPRESENT LOCATION AND DO NOT ALWAYS REPRESENT EXACT SHAPE, SIZE, OR ORIENTATION

APPROXIMATE SCALE

0 55 110 FEET

N

EVREN NORTHWEST INC.
environmental / natural resource consultants
PO BOX 14488, PORTLAND, OREGON 97293
P: (503)452-5561, E: ENW@EVREN-NW.COM

FIGURE 3

STOCKPILE LOCATION DIAGRAM

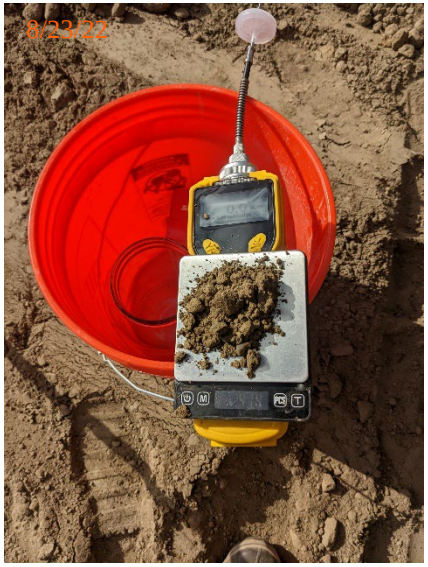
OREGON HUMANE SOCIETY FACILITY
1409 NE COLUMBIA BOULEVARD
PORTLAND, OREGON

Attachment A

Site Photographs

View facing east of soil pile SP20, located on NE side of veterinary hospital building.

A decontaminated stainless-steel hand auger was used to collect sample increments.



50 increments of approximately 40 grams each comprised one incremental sample. Increments were placed into a single one-gallon glass sample jar.

Soil increments were field screened for volatile organic constituents (VOCs) using a photoionization detector (PID).

Creekside Environmental Consulting, LLC	Former Superior Tire Facility 1409 NE Columbia Blvd. Portland, Oregon	**Site Photographs**	Project No. 351-18019-11 Attachment **A**

Character of fine-grained sandy silt soils in SP20.

View of sample collection with stainless-steel hand auger. A de minimis area of darker soil was observed but there was no associated odor, or PID response.

All 50 increments comprising incremental sample SP20-220823 were placed in a laboratory-prepared 1-gallon glass sample jar.

Creekside Environmental Consulting, LLC	Former Superior Tire Facility 1409 NE Columbia Blvd. Portland, Oregon	**Site Photographs**	Project No. 351-18019-11 Attachment **A**

Attachment B

Laboratory Analytical Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

September 1, 2022

Lynn Green, Project Manager
Evren Northwest, Inc.
PO Box 14488
Portland, OR 97293

Dear Mr Green:

Included are the results from the testing of material submitted on August 24, 2022 from the 351-18019-11, F&BI 208363 project. There are 19 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Neil Woller, Paul Trone, Evan Bruggeman
ENW0901R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 24, 2022 by Friedman & Bruya, Inc. from the Evren Northwest 351-18019-11, F&BI 208363 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Evren Northwest
208363 -01	SP20-220823

The 8260D matrix spike and matrix spike duplicate failed the relative percent difference for several compounds. The analytes were not detected therefore the data were acceptable.

The 8082A matrix spike duplicate exceeded the acceptance criteria for Aroclor 1016. The analyte was not detected therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363
Date Extracted: 08/26/22
Date Analyzed: 08/26/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
SP20-220823 208363-01	<5	107
Method Blank 02-1749 MB	<5	103

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363
Date Extracted: 08/25/22
Date Analyzed: 08/26/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
SP20-220823 208363-01	<5	31	98
Method Blank 02-2037 MB	<5	<25	114

Analysis For Total Metals By EPA Method 6020B

Client ID:	SP20-220823	Client:	Evren Northwest
Date Received:	08/24/22	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/25/22	Lab ID:	208363-01
Date Analyzed:	08/26/22	Data File:	208363-01.044
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.50
Barium	71.8
Cadmium	<1
Chromium	5.78
Lead	12.3
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Evren Northwest
Date Received:	NA	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/25/22	Lab ID:	I2-581 mb2
Date Analyzed:	08/25/22	Data File:	I2-581 mb2.113
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	SP20-220823	Client:	Evren Northwest
Date Received:	08/24/22	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/30/22	Lab ID:	208363-01
Date Analyzed:	08/30/22	Data File:	083007.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	90	109
Toluene-d8	99	89	112
4-Bromofluorobenzene	107	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Evren Northwest
Date Received:	Not Applicable	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/30/22	Lab ID:	02-1958 mb
Date Analyzed:	08/30/22	Data File:	083005.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	90	109
Toluene-d8	99	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SP20-220823	Client:	Evren Northwest
Date Received:	08/24/22	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/29/22	Lab ID:	208363-01 1/5
Date Analyzed:	08/29/22	Data File:	082914.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	87	10	198
2-Fluorobiphenyl	99	45	117
2,4,6-Tribromophenol	97	11	158
Terphenyl-d14	113	50	124

Compounds:	mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	0.014
Anthracene	<0.01
Fluoranthene	0.060
Pyrene	0.10
Benz(a)anthracene	0.034
Chrysene	0.053
Benzo(a)pyrene	0.082
Benzo(b)fluoranthene	0.088
Benzo(k)fluoranthene	0.024
Indeno(1,2,3-cd)pyrene	0.076
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	0.092

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Evren Northwest
Date Received:	Not Applicable	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/29/22	Lab ID:	02-2048 mb 1/5
Date Analyzed:	08/29/22	Data File:	082913.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	87	10	198
2-Fluorobiphenyl	101	45	117
2,4,6-Tribromophenol	103	11	158
Terphenyl-d14	115	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	SP20-220823	Client:	Evren Northwest
Date Received:	08/24/22	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/25/22	Lab ID:	208363-01 1/6
Date Analyzed:	08/25/22	Data File:	082525.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	61	23	120

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Evren Northwest
Date Received:	Not Applicable	Project:	351-18019-11, F&BI 208363
Date Extracted:	08/25/22	Lab ID:	02-2028 mb2 1/6
Date Analyzed:	08/25/22	Data File:	082524.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	98	23	120

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 208371-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208363-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	500	<50	8.8	9.6	73-135	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	12	74-139

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 208359-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	7.65	109	103	75-125	6
Barium	mg/kg (ppm)	50	53.1	105	99	75-125	6
Cadmium	mg/kg (ppm)	10	<5	106	102	75-125	4
Chromium	mg/kg (ppm)	50	8.88	101	97	75-125	4
Lead	mg/kg (ppm)	50	14.5	107	101	75-125	6
Mercury	mg/kg (ppm	5	<5	113	105	75-125	7
Selenium	mg/kg (ppm)	5	<5	101	100	75-125	1
Silver	mg/kg (ppm)	10	<5	105	104	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	90	80-120
Barium	mg/kg (ppm)	50	90	80-120
Cadmium	mg/kg (ppm)	10	94	80-120
Chromium	mg/kg (ppm)	50	104	80-120
Lead	mg/kg (ppm)	50	100	80-120
Mercury	mg/kg (ppm)	5	106	80-120
Selenium	mg/kg (ppm)	5	98	80-120
Silver	mg/kg (ppm)	10	103	80-120

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208447-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	15	12	10-142	22 vo
Chloromethane	mg/kg (ppm)	1	<0.5	39	31	10-126	23 vo
Vinyl chloride	mg/kg (ppm)	1	<0.05	37	31	10-138	18
Bromomethane	mg/kg (ppm)	1	<0.5	43	36	10-163	18
Chloroethane	mg/kg (ppm)	1	<0.5	39	36	10-176	8
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	38	30	10-176	24 vo
Acetone	mg/kg (ppm)	5	<5	78	58	10-163	29 vo
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	38	30	10-160	24 vo
Hexane	mg/kg (ppm)	1	0.57	37 b	19 b	10-137	64 b
Methylene chloride	mg/kg (ppm)	1	<0.5	65	48	10-156	30 vo
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	69	53	21-145	26 vo
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	55	45	14-137	20
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	63	49	19-140	25 vo
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	78	59	10-158	28 vo
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	68	52	25-135	27 vo
Chloroform	mg/kg (ppm)	1	0.051	63	48	21-145	27 vo
2-Butanone (MEK)	mg/kg (ppm)	5	<1	81	62	19-147	27 vo
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	68	54	12-160	23 vo
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	55	44	10-156	22 vo
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	52	41	17-140	24 vo
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	54	44	9-164	20
Benzene	mg/kg (ppm)	1	0.14	57	43	29-129	28 vo
Trichloroethene	mg/kg (ppm)	1	<0.02	55	44	21-139	22 vo
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	64	50	30-135	25 vo
Bromodichloromethane	mg/kg (ppm)	1	<0.05	74	57	23-155	26 vo
Dibromomethane	mg/kg (ppm)	1	<0.05	68	54	23-145	23 vo
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	82	65	24-155	23 vo
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	68	53	28-144	25 vo
Toluene	mg/kg (ppm)	1	1.7	59 b	15 b	35-130	119 b
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	71	58	26-149	20
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	86	69	10-205	22 vo
2-Hexanone	mg/kg (ppm)	5	<0.5	78	60	15-166	26 vo
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	69	55	31-137	23 vo
Tetrachloroethene	mg/kg (ppm)	1	0.025	40	32	20-133	22 vo
Dibromochloromethane	mg/kg (ppm)	1	<0.05	68	54	28-150	23 vo
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	64	51	28-142	23 vo
Chlorobenzene	mg/kg (ppm)	1	<0.05	57	46	32-129	21 vo
Ethylbenzene	mg/kg (ppm)	1	1.1	55 b	25 b	32-137	75 b
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	63	50	31-143	23 vo
m,p-Xylene	mg/kg (ppm)	2	5.5	60 b	3 b	34-136	181 b
o-Xylene	mg/kg (ppm)	1	2.4	58 b	6 b	33-134	162 b
Styrene	mg/kg (ppm)	1	0.086	56	43	35-137	26 vo
Isopropylbenzene	mg/kg (ppm)	1	0.28	47 b	33 b	31-142	35 b
Bromoform	mg/kg (ppm)	1	<0.05	67	55	21-156	20
n-Propylbenzene	mg/kg (ppm)	1	1.1	50 b	21 b	23-146	82 b
Bromobenzene	mg/kg (ppm)	1	<0.05	56	42	34-130	29 vo
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	3.4	66 b	9 b	18-149	152 b
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	101	79	28-140	24 vo
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	71	55	25-144	25 vo
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	138 vo	111	31-134	22 vo
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	83	64	31-136	26 vo
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	41	33	30-137	22 vo
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	11	140 b	0 b	10-182	nm
sec-Butylbenzene	mg/kg (ppm)	1	0.32	42 b	28 b	23-145	40 b
p-Isopropyltoluene	mg/kg (ppm)	1	0.43	41 b	27 b	21-149	41 b
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	48	37	30-131	26 vo
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	51	39	29-129	27 vo
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	55	42	31-132	27 vo
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	116	91	11-161	24 vo
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	45	34	22-142	28 vo
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	35	27	10-142	26 vo
Naphthalene	mg/kg (ppm)	1	7.4	74 b	0 b	14-157	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	51	39	20-144	27 vo

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	43	10-146
Chloromethane	mg/kg (ppm)	1	61	27-133
Vinyl chloride	mg/kg (ppm)	1	68	22-139
Bromomethane	mg/kg (ppm)	1	62	38-114
Chloroethane	mg/kg (ppm)	1	73	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	82	10-196
Acetone	mg/kg (ppm)	5	98	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	77	47-128
Hexane	mg/kg (ppm)	1	90	43-142
Methylene chloride	mg/kg (ppm)	1	83	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	90	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	89	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	89	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	124	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	92	72-127
Chloroform	mg/kg (ppm)	1	87	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	102	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	93	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	93	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	89	69-128
Carbon tetrachloride	mg/kg (ppm)	1	99	60-139
Benzene	mg/kg (ppm)	1	88	71-118
Trichloroethene	mg/kg (ppm)	1	92	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	92	72-127
Bromodichloromethane	mg/kg (ppm)	1	96	57-126
Dibromomethane	mg/kg (ppm)	1	95	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	102	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	96	67-122
Toluene	mg/kg (ppm)	1	91	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	96	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	98	64-115
2-Hexanone	mg/kg (ppm)	5	101	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	94	72-130
Tetrachloroethene	mg/kg (ppm)	1	90	72-114
Dibromochloromethane	mg/kg (ppm)	1	95	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	96	74-132
Chlorobenzene	mg/kg (ppm)	1	92	76-111
Ethylbenzene	mg/kg (ppm)	1	91	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	96	64-121
m,p-Xylene	mg/kg (ppm)	2	90	78-122
o-Xylene	mg/kg (ppm)	1	90	77-124
Styrene	mg/kg (ppm)	1	91	74-126
Isopropylbenzene	mg/kg (ppm)	1	91	76-127
Bromoform	mg/kg (ppm)	1	95	56-132
n-Propylbenzene	mg/kg (ppm)	1	92	74-124
Bromobenzene	mg/kg (ppm)	1	95	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	92	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	101	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	99	61-137
2-Chlorotoluene	mg/kg (ppm)	1	93	74-121
4-Chlorotoluene	mg/kg (ppm)	1	93	75-122
tert-Butylbenzene	mg/kg (ppm)	1	94	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	92	76-125
sec-Butylbenzene	mg/kg (ppm)	1	94	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	93	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	92	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	95	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	92	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	102	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	93	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	95	50-153
Naphthalene	mg/kg (ppm)	1	96	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	93	63-138

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 208363-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	85	82	28-125	4
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	86	84	10-192	2
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	87	85	10-163	2
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	92	87	45-128	6
Acenaphthene	mg/kg (ppm)	0.83	<0.01	91	85	36-125	7
Fluorene	mg/kg (ppm)	0.83	<0.01	90	86	48-121	5
Phenanthrene	mg/kg (ppm)	0.83	0.013	93	91	50-150	2
Anthracene	mg/kg (ppm)	0.83	<0.01	93	93	50-150	0
Fluoranthene	mg/kg (ppm)	0.83	0.055	95	98	50-150	3
Pyrene	mg/kg (ppm)	0.83	0.092	98	100	40-134	2
Benz(a)anthracene	mg/kg (ppm)	0.83	0.032	99	100	50-150	1
Chrysene	mg/kg (ppm)	0.83	0.049	92	92	50-150	0
Benzo(a)pyrene	mg/kg (ppm)	0.83	0.075	104	102	50-150	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	0.081	108	108	50-150	0
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	0.022	106	101	50-150	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	0.070	98	96	41-134	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	97	92	44-130	5
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	0.085	90	88	33-131	2

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	83	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	86	67-109
1-Methylnaphthalene	mg/kg (ppm)	0.83	86	66-107
Acenaphthylene	mg/kg (ppm)	0.83	90	70-130
Acenaphthene	mg/kg (ppm)	0.83	88	66-112
Fluorene	mg/kg (ppm)	0.83	89	67-117
Phenanthrene	mg/kg (ppm)	0.83	89	70-130
Anthracene	mg/kg (ppm)	0.83	91	70-130
Fluoranthene	mg/kg (ppm)	0.83	94	70-130
Pyrene	mg/kg (ppm)	0.83	92	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	96	70-130
Chrysene	mg/kg (ppm)	0.83	94	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	97	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	97	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	92	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	94	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	86	64-127

Date of Report: 09/01/22
Date Received: 08/24/22
Project: 351-18019-11, F&BI 208363

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 208321-02 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	98	120 vo	44-107	20
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	97	115	38-124	17

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	124	47-158
Aroclor 1260	mg/kg (ppm)	0.25	120	69-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

208363

SAMPLE CHAIN OF CUSTODY

08-24-22

ISM/CI

Page # 1 of 1

Report To Lynn Green

Company EVREN-NW

Address 40 SE 24th Ave

City, State, ZIP Portland, Oregon 97214

Phone 503-452-5561 Email lynng@evren-nw.com

SAMPLERS (*signature*)

PROJECT NAME 351-18019-11

PO #

REMARKS Hold Jocs

Project Specific RLs - Yes / No

INVOICE TO

TURNAROUND TIME
X Standard Turnaround
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Archive Samples
Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA-8 metals	ISM Prep				Notes
SP20-220823	01A-E	8/23/20	10:00	S	5	X	X		(X)	●	X	X	X				● per EB 8/26/22 MC (X) per EB 8/29/22 MC

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Dan Seyb	ENW	08/24/22	1800
Received by:		F&B	8/24/22	1110
Relinquished by:				
Received by:				

Samples received at 5 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

Summary: DATA VALID? ☒YES

Analytical Laboratory Data Validation Check Sheet

Project Name: Superior Tire-1409 NE Columbia Blvd-Portland

Project Number: 351-18019-11

Date of Review: 10/5/2022 Lab. Name: F&BI Lab Batch ID #: 208363

Chain of Custody			
1.) Are all requested analyses reported?	☒yes	☐no	
2.) Were the requested methods used?	☒yes	☐no	
3.) Trip blank submitted?	☐yes	☒no	
4.) Field blank submitted?	☐yes	☒no	
Timing			
5.) Samples extracted within holding times?	☒yes	☐no	
If not, are all discrepancies footnoted?	☐yes	☐no	☒NA
6.) Analysis performed within holding times?	☒yes	☐no	
If not, are all discrepancies footnoted?	☐yes	☐no	☒NA
Quality Assurance/Quality Control			
7.) Are the required reporting limits reported? (MRLs vs MDLs/PQLs)	☒yes	☐no	
8.) Are all reported values above either MRL or MDL?	☒yes	☐no	
9.) Are all values between the MDL & PQL tagged as trace?	☐yes	☐no	☒NA
10a.) Are reporting limits raised for other reason besides high analyte conc.?	☐yes	☒no	
10b.) If so, are they footnoted?	☐yes	☐no	☒NA
11.) Lab method blank completed?	☒yes	☐no	
12.) Lab, Field, or Trip Blank(s) report detections?	☐yes	☒no	
If yes, indicate blank type, chemical(s) and concentration(s):			
13.) For inorganics and metals, is there one method blank for each analyte?	☒yes	☐no	☐NA
If not, are all discrepancies footnoted?	☐yes	☐no	
14.) For VOCs, is there one method blank for each day of analysis?	☒yes	☐no	☐NA
If not, are all discrepancies footnoted?	☐yes	☐no	
15.) For SVOC's, is there one method blank for each extraction batch?	☒yes	☐no	☐NA
If not, are all discrepancies footnoted?	☐yes	☐no	
Accuracy			
16.) Is there a surrogate spike recovery for all VOC & SVOC samples?	☒yes	☐no	☐NA
Do all surrogate spike recoveries meet accepted criteria?	☒yes	☐no	
If not, are all discrepancies footnoted?	☐yes	☐no	☒NA
17.) Is there a spike recovery for all Laboratory Control Samples?	☒yes	☐no	☐NA
Do all LCS/LCSD spike recoveries meet accepted criteria?	☒yes	☐no	
If not, are all discrepancies footnoted?	☐yes	☐no	☒NA
18.) Are all LCS/LCSD RPDs within acceptable limits?	☐yes	☐no	☒NA
If not, are all discrepancies footnoted?	☐yes	☐no	☒NA
Precision			
19.) Are all matrix spike/matrix spike duplicate recoveries within acceptable limits?	☐yes	☒no	☐NA
If not, are all discrepancies footnoted?	☒yes	☐no	☐NA

Several analytes reported values that were outside of their respective control limits (vo).
Several analytes were spikes at a level that was less than five times the reporting limit; therefore, matrix spike recoveries may not be meaningful (b).

20.) Are all matrix spike/matrix spike duplicate RPDs within

acceptable limits? ☐yes ☒no ☐NA

If not, are all discrepancies footnoted? ☒yes ☐no ☐NA

See response from 19 (vo).

See response from 19 (b).

21.) Do all RPD calculations for Field Duplicates meet accepted criteria? ☐yes ☐no ☒NA

Comments:

Initial Review By: LP **Final** Review By: PT

Attachment C

Waste Disposal Receipts

Customer Summary Report

Hillsboro Landfill - S03305 (USA) 05/01/2021 12:00 AM - 02/23/2022 11:59 PM Operation Type: All

Customer: All - Ticket Type: All - Customer Type: All - PMT Category: All - Profile: 135359OR

Ticket Date	Ticket ID	Customer	Generator	Profile	Truck	Material	Tons
6/1/2021	1605631	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	31.55
6/1/2021	1605692	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	30.74
6/4/2021	1606112	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	518-SOLO	Cont Soil Pet-RGC-Tons	24.51
6/4/2021	1606113	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	21-SOLO	Cont Soil Pet-RGC-Tons	16.19
6/4/2021	1606114	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	24.85
6/4/2021	1606115	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	27.50
6/14/2021	1607003	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	21-PUP	Cont Soil Pet-RGC-Tons	30.44
6/14/2021	1607047	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	21-PUP	Cont Soil Pet-RGC-Tons	31.27
6/14/2021	1607090	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	21-PUP	Cont Soil Pet-RGC-Tons	31.50
6/14/2021	1607129	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	21-PUP	Cont Soil Pet-RGC-Tons	31.55
6/15/2021	1607173	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	10-PUP	Cont Soil Pet-RGC-Tons	26.96
6/15/2021	1607215	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	10-PUP	Cont Soil Pet-RGC-Tons	33.16
6/15/2021	1607263	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	10-PUP	Cont Soil Pet-RGC-Tons	29.77
6/15/2021	1607298	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	10-PUP	Cont Soil Pet-RGC-Tons	31.16
6/23/2021	1608334	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	21-PUP	Cont Soil Pet-RGC-Tons	30.31
6/23/2021	1608335	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	25.14
9/27/2021	1619580	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	20.13
9/27/2021	1619620	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	20.15
9/27/2021	1619650	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	22.52
9/27/2021	1619670	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	17.58
9/28/2021	1619697	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	20.22
9/28/2021	1619735	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	18.04
9/28/2021	1619761	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	19.39
9/28/2021	1619780	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	17.91
9/29/2021	1619807	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	19.39
9/29/2021	1619845	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	18.66
9/29/2021	1619881	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	19.52
9/29/2021	1619902	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	22.35
9/30/2021	1619937	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	19.32
9/30/2021	1619965	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	20.02
9/30/2021	1619993	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	19.31
9/30/2021	1620020	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	17.52
9/30/2021	1620033	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	17.68
10/1/2021	1620067	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	16.30
10/1/2021	1620091	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	16.81
10/1/2021	1620124	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	17.58
10/1/2021	1620145	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	18.19
10/12/2021	1621068	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	29.18
10/12/2021	1621070	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	21.77
10/12/2021	1621076	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	26.43
10/12/2021	1621079	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	19.13
10/12/2021	1621086	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	23.29
10/12/2021	1621114	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	19.15
10/12/2021	1621116	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	18.41
10/12/2021	1621131	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	29.95
10/12/2021	1621133	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	22.30
10/12/2021	1621134	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	22.11
10/12/2021	1621157	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	22.44
10/12/2021	1621158	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	20.06
10/12/2021	1621172	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	35.90
10/12/2021	1621177	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	23.01
10/12/2021	1621178	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	24.32
10/12/2021	1621196	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	24.95
10/12/2021	1621203	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	23.21
10/12/2021	1621214	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	24.83
10/12/2021	1621217	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	19.88
10/12/2021	1621219	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	20.68
10/13/2021	1621260	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	15-PUP	Cont Soil Pet-RGC-Tons	32.27
10/13/2021	1621261	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	25.01
10/13/2021	1621266	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	26.42
10/13/2021	1621268	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	17.52
10/13/2021	1621271	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	22.77
10/13/2021	1621304	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	22.48
10/13/2021	1621305	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	15-PUP	Cont Soil Pet-RGC-Tons	22.47
10/13/2021	1621307	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	18.93
10/13/2021	1621313	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	29.00
10/13/2021	1621314	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	22.34
10/13/2021	1621336	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	18.66
10/13/2021	1621341	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	15-PUP	Cont Soil Pet-RGC-Tons	24.27
10/13/2021	1621345	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	19.08
10/13/2021	1621351	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	24.88
10/13/2021	1621353	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	29.84
10/13/2021	1621369	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	22.67
10/13/2021	1621370	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	15-PUP	Cont Soil Pet-RGC-Tons	27.49
10/13/2021	1621371	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	21.09
10/13/2021	1621372	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	25.57

Ticket Date	Ticket ID	Customer	Generator	Profile	Truck	Material	Tons
10/13/2021	1621376	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	33.50
10/14/2021	1621411	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	24.45
10/14/2021	1621412	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	30.57
10/14/2021	1621414	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	22.86
10/14/2021	1621415	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	21.61
10/14/2021	1621449	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	21.80
10/14/2021	1621454	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	26.94
10/14/2021	1621455	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	17.65
10/14/2021	1621456	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	20.97
10/14/2021	1621482	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	22.48
10/14/2021	1621489	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	29.70
10/14/2021	1621490	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	21.03
10/14/2021	1621491	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	22.60
10/14/2021	1621505	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	17-SOLO	Cont Soil Pet-RGC-Tons	22.13
10/14/2021	1621506	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	29.05
10/14/2021	1621508	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	20.37
10/14/2021	1621509	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	23.70
10/15/2021	1621529	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	21.64
10/15/2021	1621533	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	19-PUP	Cont Soil Pet-RGC-Tons	31.16
10/15/2021	1621537	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	22.63
10/15/2021	1621538	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	11-SOLO	Cont Soil Pet-RGC-Tons	16.65
10/15/2021	1621540	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	21.96
10/15/2021	1621542	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	29.49
10/15/2021	1621545	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	6-SOLO	Cont Soil Pet-RGC-Tons	14.35
10/15/2021	1621547	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	25-PUP	Cont Soil Pet-RGC-Tons	30.94
10/15/2021	1621567	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	18.56
10/15/2021	1621571	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	19-PUP	Cont Soil Pet-RGC-Tons	34.62
10/15/2021	1621575	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	24.45
10/15/2021	1621577	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	11-SOLO	Cont Soil Pet-RGC-Tons	16.34
10/15/2021	1621583	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	23.35
10/15/2021	1621585	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	30.64
10/15/2021	1621586	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	6-SOLO	Cont Soil Pet-RGC-Tons	12.13
10/15/2021	1621590	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	25-PUP	Cont Soil Pet-RGC-Tons	27.72
10/15/2021	1621609	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	19.95
10/15/2021	1621613	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	19-PUP	Cont Soil Pet-RGC-Tons	29.50
10/15/2021	1621619	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	11-SOLO	Cont Soil Pet-RGC-Tons	12.24
10/15/2021	1621620	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	19.92
10/15/2021	1621621	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	20.21
10/15/2021	1621623	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	6-SOLO	Cont Soil Pet-RGC-Tons	10.91
10/15/2021	1621624	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	30.19
10/15/2021	1621625	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	25-PUP	Cont Soil Pet-RGC-Tons	26.17
10/15/2021	1621632	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	22	Cont Soil Pet-RGC-Tons	20.46
10/15/2021	1621635	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	19-PUP	Cont Soil Pet-RGC-Tons	33.82
10/15/2021	1621639	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	11-SOLO	Cont Soil Pet-RGC-Tons	13.99
10/15/2021	1621642	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	21.64
10/15/2021	1621643	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	18-SOLO	Cont Soil Pet-RGC-Tons	22.96
10/15/2021	1621644	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	25-PUP	Cont Soil Pet-RGC-Tons	25.81
10/15/2021	1621645	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	02-PUP	Cont Soil Pet-RGC-Tons	33.70
10/15/2021	1621646	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	6-SOLO	Cont Soil Pet-RGC-Tons	13.05
2/8/2022	1632528	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.84
2/8/2022	1632573	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	29.56
2/8/2022	1632574	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	11.20
2/8/2022	1632608	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	26.41
2/8/2022	1632609	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	14.01
2/9/2022	1632666	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	23.41
2/9/2022	1632669	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	11.23
2/9/2022	1632718	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	11.44
2/9/2022	1632719	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	27.23
2/9/2022	1632760	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	29.98
2/9/2022	1632762	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	16.01
2/10/2022	1632825	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	15.77
2/10/2022	1632826	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	31.15
2/10/2022	1632868	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	13.88
2/10/2022	1632869	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	28.82
2/10/2022	1632922	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.52
2/10/2022	1632923	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	27.68
2/14/2022	1633092	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	28.53
2/14/2022	1633093	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.97
2/14/2022	1633135	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	29.80
2/14/2022	1633150	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	13.09
2/14/2022	1633177	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	31.27
2/14/2022	1633178	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	14.35
2/15/2022	1633229	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	28.43
2/15/2022	1633237	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.09
2/15/2022	1633271	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	28.43
2/15/2022	1633272	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	14.50
2/15/2022	1633312	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	14.24
2/15/2022	1633313	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	27.71
2/16/2022	1633382	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	33.10
2/16/2022	1633383	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.93
2/16/2022	1633426	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.03

Ticket Date	Ticket ID	Customer	Generator	Profile	Truck	Material	Tons
2/16/2022	1633427	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	28.23
2/16/2022	1633456	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	16.69
2/16/2022	1633457	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	27.30
2/17/2022	1633534	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	29.50
2/17/2022	1633572	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	32.15
2/17/2022	1633611	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	28.98
2/18/2022	1633670	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.00
2/18/2022	1633673	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	30.12
2/18/2022	1633719	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	13.62
2/18/2022	1633722	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	29.71
2/18/2022	1633761	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	27.71
2/18/2022	1633762	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	14.67
2/21/2022	1633830	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	28.48
2/21/2022	1633832	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	15.68
2/21/2022	1633871	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	15.44
2/21/2022	1633872	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	26.68
2/21/2022	1633924	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	16-SOLO	Cont Soil Pet-RGC-Tons	16.54
2/21/2022	1633925	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	27.77
2/22/2022	1633993	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	29.01
2/22/2022	1634039	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT18-PUP1	Cont Soil Pet-RGC-Tons	32.10
2/23/2022	1634159	CREEKSIDE ENVIRONMENTAL CONSULTING LLC	168-OREGON HUMANE SOCIETY	135359OR	DT16	Cont Soil Pet-RGC-Tons	13.11
TOTALS:	**178 loads**						**4,094.61**