

**24-HOUR
EMERGENCY
RESPONSE
SERVICE****(800) 447-3558**

FSE Provides
Incident Response &
Emergency Response Services
throughout:

**OREGON
WASHINGTON
IDAHO
NO. CALIFORNIA**

**CORPORATE and
ADMINISTRATIVE
OFFICE**

256 Quarry Road
Roseburg, OR 97470-9453
Phone: (541) 673-9892
Fax: (541) 673-1739

WEBSITE
www.FSEco.com

EMAIL Email@FSEco.com



August 7, 2024

Farline Bridge, Inc.
Attn: Joey Walczak
P.O. Box 149
Stayton, Oregon 97383

VIA EMAIL

**Re: Revised Closure Report – Cleanup/Remediation and Request for NFA
ODOT OR-99 Bridge Replacement Project, Oakland, Oregon
FSE Project No. 24-04-14 – ODEQ Log No. 10-24-0300**

Dear Mr. Walczak,

Enclosed is First Strike Environmental Co. (FSE) Revised Closure Report outlining the cleanup/remediation activities in connection with the Leaking Underground Storage Tank (LUST) site involving Farline Bridge, Inc. at OR-99 in Oakland, Oregon. This revision is to correct Section 4.1 of the attached Closure Report per Dave Pardue of the Oregon Department of Environmental Quality (ODEQ). See enclosed email correspondence dated August 2, 2024.

FSE's Cleanup/Remediation Report includes the Request for Closure and No Further Action (NFA) from the Oregon Department of Environmental Quality – Cleanup Program. Work is in connection with the two abandoned USTs discovered during the OR-99 Bridge Replacement project for the Oregon Department of Transportation (ODOT). Regulatory reporting follows the Oregon Department of Environmental Quality – Tank Program and Cleanup rules and regulations under Oregon Administrative Rules (OARs) for Leaking Underground Storage Tanks (LUST), Chapter 340, Division 150, Underground Storage Tank Rules, OAR 340-150-0001 through 340-150-0620.

Based on final soil clearance analytical results, FSE is requesting Site Closure and No Further Action (NFA) designation for the LUST site documented under ODEQ Log No. 10-24-0300. Please see enclosed.

Thank you for choosing FSE for environmental remediation services. We appreciate your business. If you have any questions, please contact our office at (800) 447-3558.

Sincerely,

Trevor Krueger /s/

Trevor Krueger
Project Coordinator
FIRST STRIKE ENVIRONMENTAL CO.

Enclosure: Closure Report

cc: Dave Pardue, Jim Orr / ODEQ UST Cleanup Program
Tim Doyle, Brian McMullen / ODOT

lo

Cleanup/Remediation Report / Request for Closure and No Further Action Report

for

Abandoned Leaking Underground Storage Tanks (LUST)

located at

***OR-99 Oakland Shady Highway
Lat / Lon 43°25'29.964"N, 123°18'7.0554"W
Oakland, Oregon 97462
ODEQ Log No. 10-24-0300***

Prepared for:

**Farline Bridge, Inc.
P.O. Box 149
Stayton, Oregon 97383**

**Oregon Department of Transportation
3500 Stewart Parkway
Roseburg, Oregon 97471**

Prepared by:

**First Strike Environmental Company
256 Quarry Road
Roseburg, Oregon 97470
CCB Registration No.: 108932**

June 5, 2024 (Revised 08/07/2024)

FSE Project No. 24-04-14

Table of Contents

Acronyms and Abbreviations

Signatures

1. Introduction

1.1 Background

1.2 Assessment / Decommission / Initial Reporting

1.3 Historical Information

2. Site Investigation / Initial Cleanup-Remediation

2.1 Tank Evaluation

2.2 Soil Excavation

3. Soil Sampling

3.1 Sampling Methodology and Analytical Results

4. Summary and Conclusions

4.1 Soil Matrix Cleanup Standards

5. Recommendations

6. Limitations

TABLES

FIGURES

APPENDICES

Acronyms and Abbreviations

APEX	APEX Laboratories
bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
EPA	U.S. Environmental Protection Agency
FSE	First Strike Environmental Co.
LUST	Leaking Underground Storage Tank
ODOT	Oregon Department of Transportation
Farline	Farline Bridge, Inc.
ODEQ	Oregon Department of Environmental Quality
PID	Photoionization Detector
ppm	parts per million
ppb	parts per billion
RBC	Risk-Based Concentration
Site	OR-99 Bridge Replacement Project, Oakland, Oregon – Lat Lon 43°25'29.964"N 123°18'7.0554"W, Douglas County, Oregon 97462
TPH	Total Petroleum Hydrocarbons
TPH-D	Total Petroleum Hydrocarbons as Diesel
TPH-G	Total Petroleum Hydrocarbons as Gasoline
UST	Underground Storage Tank
VOC	Volatile Organic Compound
PAH	Polycyclic Aromatic Hydrocarbons
Lead	Total Metals

SIGNATURE PAGE



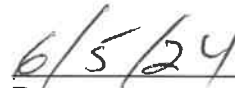
Nathaniel Mandera, UST Decommissioning Supervisor
ODEQ License # 27552



Date



First Strike Environmental Co. / Robert Krueger
UST Service Provider, ODEQ License #14793



Date

1.0 Introduction

First Strike Environmental Company (FSE) was contacted by Farline Bridge, Inc. on April 1, 2024, for response to a petroleum spill/release at a construction site located at OR-99 Oakland Shady Highway, Oakland, Oregon 97462, GPS coordinates 43°25'29.964"N 123°18'7.0554"W (Site). See Figure 1. Site Map. Farline Bridge, Inc. (Farline) is a prime contractor for the Oregon Department of Transportation (ODOT).

1.1 Background

On April 1, 2024, Farline accidentally punctured one abandoned underground storage tank during construction excavation activities on the OR-99 Bridge Replacement Project. Farline contacted First Strike Environmental Company (FSE) for response, permanent decommissioning, and removal of the UST.

At the time of incident, Farline was conducting bridge replacement construction work at the OR-99 Site. During construction on the southwest end of the bridge, Farline encountered and accidentally punctured one abandoned underground storage tank (Tank #1) during the course of project excavation work. A secondary tank (Tank #2) was discovered during the excavation of petroleum contaminated soils in the excavation pit of Tank #1. Both abandoned USTs were properly decommissioned by removal method and the appropriate decommissioning reporting documentation was submitted to the Oregon Department of Environmental Quality (ODEQ) Tank Program on April 29, 2024, and May 9, 2024. See Appendix A, ODEQ Tank Program, Initial Regulatory Reporting. This report summarizes the investigation, initial cleanup/remediation, soil sampling, and disposal of petroleum contaminated soils completed by FSE on April 9, 2024, through April 16, 2024.

The Site is owned by Douglas County and is under the jurisdiction of ODOT during bridge construction work.

1.2 Assessment / Decommissioning / Initial Reporting

On April 1, 2024, FSE assessed one underground storage tank (Tank #1) and found the tank filled with water gasoline mix liquids. At the time of assessment, FSE observed a significant presence of petroleum odor at the area of the Tank #1. On April 8, 2024, FSE pumped and transferred water gasoline liquid contents of Tank #1 into 250-gallon totes and properly labeled for transport off-site. On April 9, 2024, FSE removed Tank #1 from the tank pit and observed visual contamination. FSE conducted exploratory excavation and confirmed petroleum contamination existed beyond the pit of Tank #1. One soil sample was collected from each end of Tank #1 and sampled for TPH-Gx/Dx analyses on a standard turnaround.

On April 10, 2024, FSE prepared and submitted the ODEQ General Permit Registration to Decommission Existing Unregistered Tanks and 30-Day Notice of Intent to Decommission USTs along with the registration fee to the ODEQ.

On April 12, 2024, FSE completed online Petroleum Release Reporting from an unregulated UST through the ODEQ, Leaking Underground Storage Tank portal. See Appendix A, ODEQ Tank Program, Initial Regulatory Reporting.

On April 15, 2024, FSE began removal of Tank #1 via excavation method along with excavation of visual petroleum contaminated soils from the tank Pit (Tank #1). During excavation of petroleum contaminated soils, FSE discovered a secondary underground storage tank (Tank #2). Tank #2 was found on the west side of Tank #1 and was found filled with water diesel fuel mix liquid content. Odor of diesel fuel product was present at the time of assessment of Tank #2.

On April 16, 2024, FSE pumped and removed diesel fuel water mix liquid contents from Tank #2 and transferred into 250-gallon totes, adhering proper labeling for transport off-site. FSE removed Tank #2 from the pit by excavation method, and continued excavation of visual petroleum contaminated soils east and south of the two abandoned tanks.

On April 18, 2024, FSE prepared and submitted revised UST #2 General Permit Registration to Decommission Existing Unregistered Tanks and 30-Day Notice of Intent to Decommission USTs along with the registration fee to the ODEQ. See Appendix A, ODEQ Tank Program, Initial Regulatory Reporting.

On April 29, 2024, FSE submitted the ODEQ Initial Twenty Day Report for UST Cleanup Projects. See Appendix A, ODEQ Tank Program, Initial Regulatory Reporting.

On May 09, 2024, FSE prepared and submitted the ODEQ Thirty-Day Report, Underground Storage Tank Decommissioning Checklist and Site Assessment Report. See Appendix A, ODEQ Tank Program, Initial Regulatory Reporting.

1.3 Historical Information

ODOT archaeological information received from ODOT, and the 1920 Sanborn Map indicate the Site was formally known as Shell Oil Co. See Figure 3. Historical Douglas County Assessor Records were not found to indicate any other fueling site existed at this Site. Current Assessor Records indicate the Site is vacant, commercial property within Oakland, Douglas County, Oregon, and is owned by the State of Oregon.

2.0 Site Investigation / Initial Cleanup

This section addresses the initial site investigation, initial cleanup through soil excavation, soil sampling, and tank evaluation activities completed by FSE in connection with the decommissioning and removal of two abandoned underground storage tanks at the Oakland OR-99 Site.

Following pump and transfer of tank contents for Tank #1 on April 09, 2024, FSE collected two soil samples at each end of Tank #1, approximately 1.5-feet to 2-feet depth below the

tank. Piping and tank lines were not found connected to the tank and the tank appeared to be an old, abandoned steel tank. Visual and odorous petroleum contamination were present at the time of FSE's assessment. FSE assessed a nearby waterway, downgradient from the UST site for visual sheen or raw product; none was observed at the time of assessment. Tank #1 confirmation soil sample analytical results were detected for TPH-Gx at 11.6 ppm and TPH-Dx at 268 ppm at Sample ID 240414-01, north end of the tank. Sample ID 240414-02, tank south end, detected TPH-Gx at 17.8 ppm and non-detect for TPH-Dx analysis. See Table 1, Analytical Data Summary.

Following soil excavation on April 15, 2024, FSE collected ten (10) soil clearance samples for TPH-Gx, TPH-Dx, PAH 8270, VOC 8260D, and Metal Totals for Lead on rush turnaround basis. Three (3) of five (5) **Floor** soil clearance samples were collected on the north side of the excavation pit detected levels of contamination at approximately 8-feet depth, in samples identified under Sample ID 240414-01, north end pit, northwest side, TPH-Dx, 23.7 ppm and Heavy Oil 73.9 ppm. Sample ID 240414-04, north end, northwest side, TPH-Dx 25.0 ppm. Sample ID 240414-05, north pit, northeast side, TPH-Gx 25.1 ppm, TPH-Dx 71.0 ppm, Heavy Oil 46.2 ppm, and Lead Total 6.97 ppm. All other Floor samples collected on April 15, 2024, were non-detect for constituents analyzed. The Five (5) **Wall** soil clearance samples collected at the north end of the excavation pit were non-detect for all constituents analyzed. See Table 1, Analytical Data Summary.

Following soil excavation on April 16, 2024, FSE collected eighteen (18) soil clearance samples for TPH-Gx, TPH-Dx, PAH 8270, VOC 8260D, and Metal Totals for Lead on rush turnaround basis. Four (4) pit **Floor** soil clearance samples were collected in the area of the excavation pit and resulted in levels of contamination at depths ranging from 5-feet depth to 8-feet depth. Floor samples identified are Sample ID 240414-14 center pit, west side, TPH-Gx 22.0, TPH-Dx 22.7 ppm, Heavy Oil 45.9 ppm, and Total Metals for Lead 5.78 ppm. Sample ID 240414-15, background, 10-feet west of excavation pit, 105-ppm TPH-Dx, Fluorene 24.9 ppb, Phenanthrene 20.0 ppb. Sample ID 240414-025 south end, TPH-Gx 52.0-ppm and Metal Totals for Lead 4.95 ppm. Sample ID 240414-28, TPH-Gx 17.7 ppm, Toluene 111 ppb, Xylenes, Total 185 ppb, and Total Metals for Lead Totals 6.18 ppm. All other Floor samples collected on April 16, 2024, were non-detected for constituents analyzed. See Table 1, Analytical Data Summary. Six (6) soil **Wall** clearance samples were collected in the area of excavation, and one (1) soil background sample 10-feet west of the excavation pit. Of the six (6) soil Wall samples, two (2) **Wall** soil samples were detected for levels of contamination ranging 6-feet depth to 7-feet depth. Wall soil excavation samples identified under Sample ID 240414-024 results are TPH-Dx 28.2 ppm. One Wall background sample at 6-feet depth is TPH-Dx 26.6 ppm, TPH-Gx 18.4 ppm, and Metal Totals for Lead 6.58 ppm. All other Wall soil samples collected were non-detect (ND) for all constituents analyzed. See Table 1, Analytical Data Summary.

2.1 Tank Evaluation

On April 09, 2024, FSE completed oversight to the removal of Tank #1 from the pit by Farline, via excavation method. Prior to removal, FSE opened the top of the tank and assessed interior areas of the tank. The tank was found heavily corroded at the tank bottom interior area with

one large puncture at the top of the tank and numerous holes at the top from rust/corrosion. Tank piping and fuel lines were not observed at the time of evaluation. The tank exterior areas were rusted with corrosion. Tank #1 appeared to be an old, abandoned gasoline fuel tank.

On April 16, 2024, FSE completed oversight to the removal of Tank #2 from the tank pit by Farline via excavation method. The tank was observed rusted with heavy corrosion and the fill pipe connected at the top of the tank. The UST #2 appeared to be an old, abandoned diesel fuel tank. See Appendix B, Site Photographs.

2.2 Soil Excavation

On April 15, 2024, and April 16, 2024, FSE excavated a total of 838.08-Tons of petroleum contaminated soils from the Site. The initial excavation consisted of heavily petroleum contaminated soils at Pit #1 and Pit #2 and continued with visual contamination at the Site. During excavation, FSE collected ambient air photoionization detector (PID) measurements from locations adjacent to the excavation. PID measurements ranged from 0 to 5-parts per million. FSE continued to observe visual and odorous petroleum contamination south and east of Pit #1 and #2. See Figure 1, Site Maps. Upon completion of initial cleanup excavation activities, FSE measured the area of excavation at 45-feet to 50-feet length by 20-feet to 50-feet width, and from approximately 5-feet to 8-feet depth.

3.0 Soil Sampling

Twenty-eight soil clearance samples were collected from the excavation sidewalls and floor. Samples collected for analysis of volatile organic compounds (VOCs) were placed in hermetically sealed glass vials containing methanol for sample preservation in accordance with EPA Method 5035. Samples were collected using disposable nitrile gloves, placed directly into laboratory-supplied sample containers, and labeled with a unique sample identification number and time and date of collection. Sample containers were documented to a chain-of-custody form and placed in re-sealable plastic bags within an ice-chilled cooler immediately following collection. Soil samples were submitted under chain-of-custody to Apex Laboratories for analysis by NWTPH-Gx and NWTPH-Dx, VOC using EPA Method 8260D, PAH EPA Method 8270, and Metal Totals for Lead. See Appendix C, Analytical Laboratory Reports.

3.1 Sampling Methodology and Analytical Results

Soil sampling activities followed ODEQ sampling collection methods (OAR 340-122-345). Soil samples were identified with a unique sample identification number, and clearly labeled with its unique sample identification number. A written record tracked date, time, and location of sample collection; person collecting the sample; how the sample was collected; and any unusual or unexpected problems encountered during the sample collection which may have affected the sample integrity. A formal chain-of-custody record was maintained for each sample.

The soil samples were immediately packed into laboratory cleaned 4-ounce and 8-ounce wide mouth glass sample jars, 40 ml methanol preserved Voa's according to analysis type, leaving as little headspace as possible. The jars were filled to maximum capacity to minimize volatile losses. The jar was then immediately sealed with a Teflon lined screw cap, thus, limiting the loss of volatiles from the sample. After proper sealing, the samples were immediately placed on ice and maintained at a temperature of no greater than 4 degrees Celsius (39 degrees Fahrenheit) until being prepared for analysis by the laboratory.

Sampling results are summarized in Table 1. Detected analytical laboratory results meet the threshold for Level II Soil Matrix Cleanup. See Appendix C, Analytical Laboratory Reports.

4.0 Summary and Conclusions

Groundwater was not encountered during excavation. Analytical laboratory results of clearance soil samples collected from the excavation pit on April 15, 2024, and April 16, 2024, are under the Level II Soil Matrix Decommissioning standards. See Table 1, Sample Data Summary. The two abandoned decommissioned tanks were transported and disposed of at The Steel Outlet in Roseburg, Oregon, on April 09, 2024, and April 17, 2024. See Appendix D, Disposal Documentation.

Disposal of 838.08-Tons of petroleum contaminated soils were completed by landfill method at Douglas County Solid Wastes under an approved Permit. See Appendix D, Disposal Documentation.

FSE completed and submitted the required UST Decommissioning documentation (included within this report attached in Appendices by the required due date. Approval to backfill the excavation pit was received from the ODEQ on May 7, 2024. Ongoing regulatory communications are included in Appendix E, Agency Documentation.

The required cleanup, testing, and disposal procedures were undertaken at this site. Visual and odorous contamination was removed through excavation. Work followed ODEQ Chapter 340, Division 150, Underground Storage Tank Rules, OAR 340-150-0001 through 340-150-0620 and Division 142, Oil and Hazardous Materials Emergency Response Requirements, OAR 340-142-0040 through 340-142-0130.

4.1 Soil Matrix Cleanup Standards (Revised 08/07/2024)

To determine the soil matrix cleanup standards for the site, a soil matrix score was calculated using the soil matrix scoring sheet – See Appendix E, Agency Documentation. The site scored a 30 after considering the five factors to be evaluated. A score of 30 results in a soil matrix Level II cleanup standard under 500 ppm NWTPH-Dx for this site. Soil clearance samples indicate the Site meets the Level II cleanup standard for Soil as clearance samples results fall under the threshold of 500 ppm. See Table 1, Analytical Data Summary.

5.0 Recommendations

Based on analytical laboratory results, contamination does not exceed Level 3 Soil Matrix standards. FSE recommends Site Closure and No Further Action of the leaking underground storage tank Site registered under ODEQ Log No. 10-24-0300, per this cleanup report and attached figures and appendices.

6.0 Limitations

Recommendations or conclusions made by FSE are based on our research, inspections, field work and laboratory testing, and Site information provided to us by the Client. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental liabilities on a particular site. Therefore, FSE cannot “certify” that a site is free of environmental contamination. No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed as described by our scope of services in accordance with the standard of care of our profession. Additionally, subsurface conditions will vary between exploration locations, perhaps significantly. The impacts of future events may require further investigation of the site and subsequent data analysis along with revision of recommendations or conclusions. In preparation of site assessment and investigation reports, FSE will rely upon, and assume to be accurate, site information provided by the client and other people. Except as otherwise stated in the reports, FSE will not attempt to verify the accuracy or completeness of any such information. Reports may be used only by the client for this project. Any party other than the client who wishes to use reports must notify FSE that they are using the reports. Based on the intended use of the report, FSE may require supplemental work to be performed and may require that the report be revised and reissued. FSE accepts no liability or responsibility whatsoever for or in respect to any use or reliance upon this report by a third party.

TABLES

Table 1 – Analytical Data Summary

Table 2 – Disposal Summary

Sample Summary

SITE CLEARANCE SAMPLE SUMMARY - FSE Project No. 24-04-14 - OR-99 Oakland Bridge Project - ODEQ Log No. 10-24-0300

Draft 5/3/2024

Date	Sample ID	Item	Description	Location	NWTPH-Dx		NWTPH-Gx	BTEX 8260D	PAH	VOC 8260D	Lead Total	LAT	LON
					Diesel Heavy Oil	23.7 ppm 73.9 ppm							
4/15/2024	240414-001	Tank #1	Soil, Excavation Floor, 8' Depth	NW	Diesel Heavy Oil	23.7 ppm 73.9 ppm	ND	ND	ND			43°25'30.11"N	123°18'7.46"W
4/15/2024	240414-004	Tank #2	Soil, Excavation Floor, 8' Depth	NW	Diesel Heavy Oil	25.0 ppm ND	ND	ND	ND			43°25'30.07"N	123°18'7.36"W
4/15/2024	240414-005	Excavation Area	Soil, Excavation Floor, 8' Depth	NE	Diesel Heavy Oil	71.0 ppm 46.2 ppm	25.1 ppm		ND	ND	6.97 ppm	43°25'30.20"N	123°18'7.26"W
4/15/2024	240414-007	Excavation Area	Soil, Excavation Floor, 8' Depth	NE	Diesel Heavy Oil	ND	ND					43°25'30.05"N	123°18'7.09"W
4/15/2024	240414-009	Excavation Area	Soil, Excavation Floor, 8' Depth	NE - E	Diesel Heavy Oil	ND	ND					43°25'30.16"N	123°18'7.05"W
4/16/2024	240414-011	Excavation Area	Soil, Excavation Floor, 8' Depth	E	Diesel Heavy Oil	ND	ND					43°25'30.1"N	123°18'06.9"W
4/16/2024	240414-013	Excavation Area	Soil, Excavation Floor, 8' Depth	E Center	Diesel Heavy Oil	ND	ND					43°25'30.1"N	123°18'07.2"W
4/16/2024	240414-014	Excavation Area	Soil, Excavation Floor, 8' Depth	W Center	Diesel Heavy Oil	22.7 ppm 45.9 ppm	22.0 ppm			ND	5.78 ppm	43°25'30.2"N	123°18'07.3"W
4/16/2024	240414-015	10-feet west of excavation	Soil, Exploratory Floor, 7' Depth	West of Pit	Diesel Heavy Oil	105 ppm ND	ND	ND	24.9 ppb Fluorene, 20.0 ppb Phenanthrene				
4/16/2024	240414-017	Tank #2	Soil, Excavation Floor, 10' Depth	West	Diesel Heavy Oil	ND	ND					43°25'30.1"N	123°18'07.4"W
4/16/2024	240414-019	Excavation Area	Soil, Excavation Floor, 7' Depth	E	Diesel Heavy Oil	ND	ND					43°25'30.0"N	123°18'07.1"W
4/16/2024	240414-020	Excavation Area	Soil, Excavation Floor, 7' Depth	E Center	Diesel Heavy Oil	ND	ND					43°25'29.9"N	123°18'07.1"W
4/16/2024	240414-021	Excavation Area	Soil, Excavation Floor, 7' Depth	W Center	Diesel Heavy Oil	ND	ND					43°25'29.9"N	123°18'07.3"W
4/16/2024	240414-022	Excavation Area	Soil, Excavation Floor, 7' Depth	W	Diesel Heavy Oil	ND	ND					43°25'29.9"N	123°18'06.9"W
4/16/2024	240414-025	Excavation Area	Soil, Excavation Floor, 5' Depth	S	Diesel Heavy Oil	ND	52.0 ppm			ND	4.95 ppm	43°25'29.7"N	123°18'07.2"W
4/16/2024	240414-028	Excavation Area	Soil, Excavation Floor 5' Depth	S	Diesel Heavy Oil	ND ND	17.7 ppm			111 ppm Toluene, 185 ppm Xylenes, total	6.18 ppm		

4/15/2024	240414-002	Tank #1	Soil, Excavation Center, 5' Depth	N Wall	Diesel Heavy Oil	ND ND	ND					43°25'30.09"N	123°18'7.40"W
4/15/2024	240414-003	Tank #2	Soil, Excavation Wall, 5' Depth	NW	Diesel Heavy Oil	ND ND	ND						
4/15/2024	240414-006	Excavation Area	Soil, Excavation Wall, 5' Depth	NE	Diesel Heavy Oil	ND ND	ND					43°25'30.05"N	123°18'7.39"W
4/15/2024	240414-008	Excavation Area	Soil, Excavation Wall, 5' Depth	NE - N	Diesel Heavy Oil	ND ND	ND					43°25'30.20"N	123°18'7.26"W
4/15/2024	240414-010	Excavation Area	Soil, Excavation Wall, 5' Depth	NE - E	Diesel Heavy Oil	ND ND	ND					43°25'30.04"N	123°18'7.09"W
4/16/2024	240414-012	Excavation Area	Soil, Excavation Wall, 5' Depth	E	Diesel Heavy Oil	ND ND	ND					43°25'30.10"N	123°18'7.14"W
4/16/2024	240414-016	10-feet west of excavation	Soil, Exploratory Wall, 6' Depth	West of Pit	Diesel Heavy Oil	26.6 ppm ND	18.4 ppm				6.58 ppm		
4/16/2024	240414-018	Excavation Area	Soil, Excavation Wall, 6' Depth	W	Diesel Heavy Oil	ND ND	ND					43°25'30.2"N	123°18'06.9"W
4/16/2024	240414-023	Excavation Area	Soil, Excavation Wall, 5' Depth	E	Diesel Heavy Oil	ND ND	ND					43°25'30.0"N	123°18'07.3"W
4/16/2024	240414-024	Excavation Area	Soil, Excavation Wall, 6' Depth	W	Diesel Heavy Oil	28.2 ppm ND	ND	ND				43°25'29.8"N	123°18'07.2"W
4/16/2024	240414-026	Excavation Area	Soil, Excavation Wall, 4' Depth	S	Diesel Heavy Oil	ND ND	ND					43°25'30.0"N	123°18'07.4"W
4/16/2024	240414-027	Excavation Area	Soil, Excavation Wall, 4' Depth	SW	Diesel Heavy Oil	ND ND	ND					43°25'30.0"N	123°18'07.3"W
4/16/2024	240414-027	Excavation Area	Soil, Excavation Wall, 4' Depth									43°25'29.7"N	123°18'07.5"W

SITE CLEARANCE SAMPLE SUMMARY - FSE Project No. 24-04-14 - OR-99 Oakland Bridge Project - ODEQ Log No. 10-24-0300

Date	Sample ID	Item	Description	Location	NWTPH-Dx	
					Diesel Heavy Oil	268 ppm
4/9/2024	240414-01	Tank #1	Soil Under Tank, 9' Depth (reported) Adjust Actual depth	UST North End	Diesel Heavy Oil	268 ppm
4/9/2024	240414-02	Tank #1	Soil Under Tank, 9' Depth (reported) Adjust Actual depth	UST South End	Diesel Heavy Oil	ND

DOUGLAS COUNTY SOLID WASTE - TALLY SHEET - FSE PROJECT NO. 24-04-14

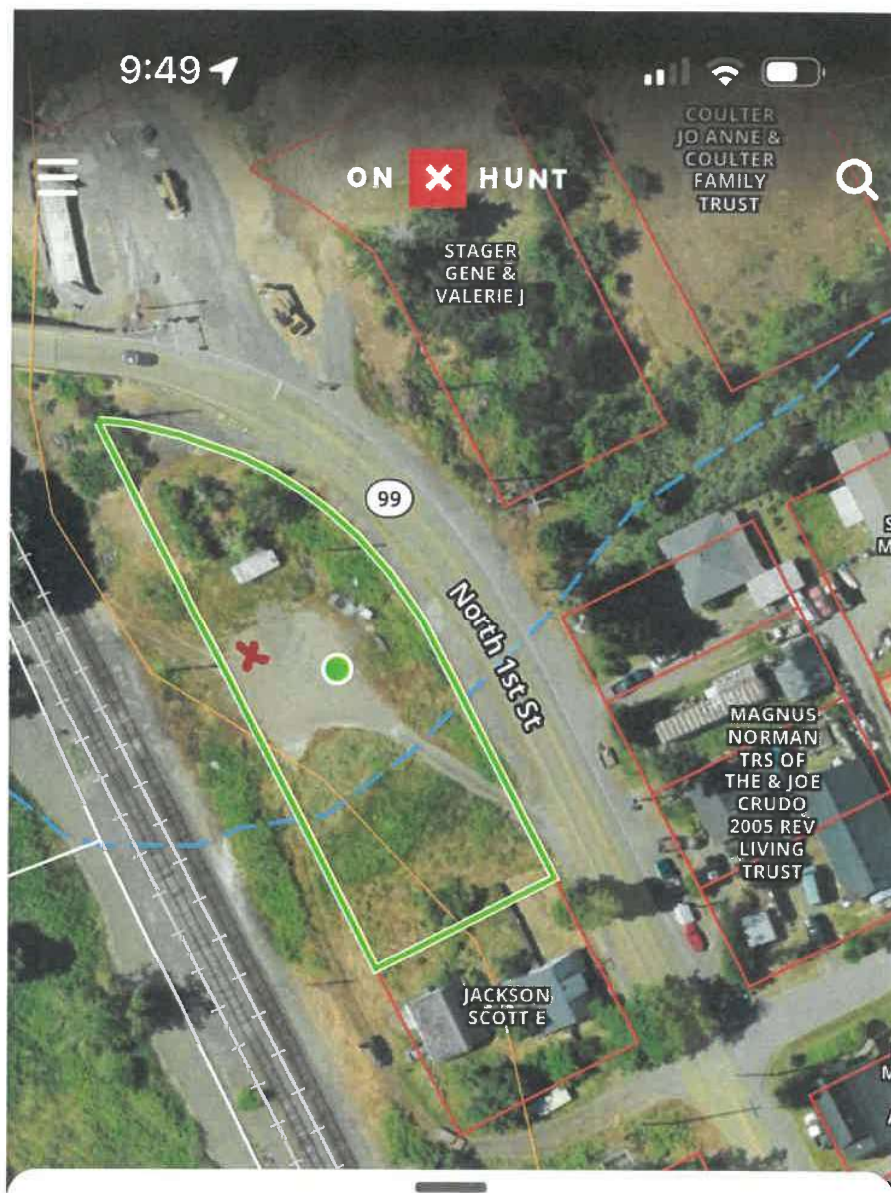
<u>Ticket Number</u>	<u>Quantity</u>	
718926	15.52	
718927	16.49	
718928	16.63	
718930	13.63	
718932	13.81	
718938	16.79	
718939	14.70	
718940	13.74	
718942	15.05	
718943	11.75	
718950	16.48	
718953	16.63	
718956	15.41	
718957	14.30	
718960	15.45	
718962	17.36	
718964	16.22	
718965	15.37	
718967	10.27	
718970	14.73	
718972	16.46	
718973	16.27	
718974	14.41	
718975	11.17	
718976	14.90	
718978	17.42	
718979	17.39	
718981	15.12	
718982	14.35	
Tonnage	437.82	4/15/2024
719016	12.96	
719017	14.60	
719018	14.18	
719020	16.59	
719027	12.75	
719028	14.73	
719031	17.03	
719032	16.03	
719036	17.03	
719043	13.64	
719044	12.24	
719053	16.99	
719054	16.21	
719055	16.68	
719058	15.19	
719060	15.08	
719064	16.25	
719065	14.89	
719066	17.60	
719068	12.52	
719070	14.07	
719076	16.46	
719079	15.18	
719080	16.31	
719081	10.94	
719083	12.73	
719086	11.38	
Tonnage	400.26	4/16/2024
TOTAL TONNAGE	838.08	

FIGURES

Figure 1 – Site Map

Figure 2 – Site Sample Location Map

Figure 3 – 1920 Sanborn Map



OR Government Lands

OR Government Lands

[Overview](#) [Hunt Unit](#) [Weather](#)

 **Coordinates** 43.42495, -123.30183

Copy

OR Government Lands

County

Douglas

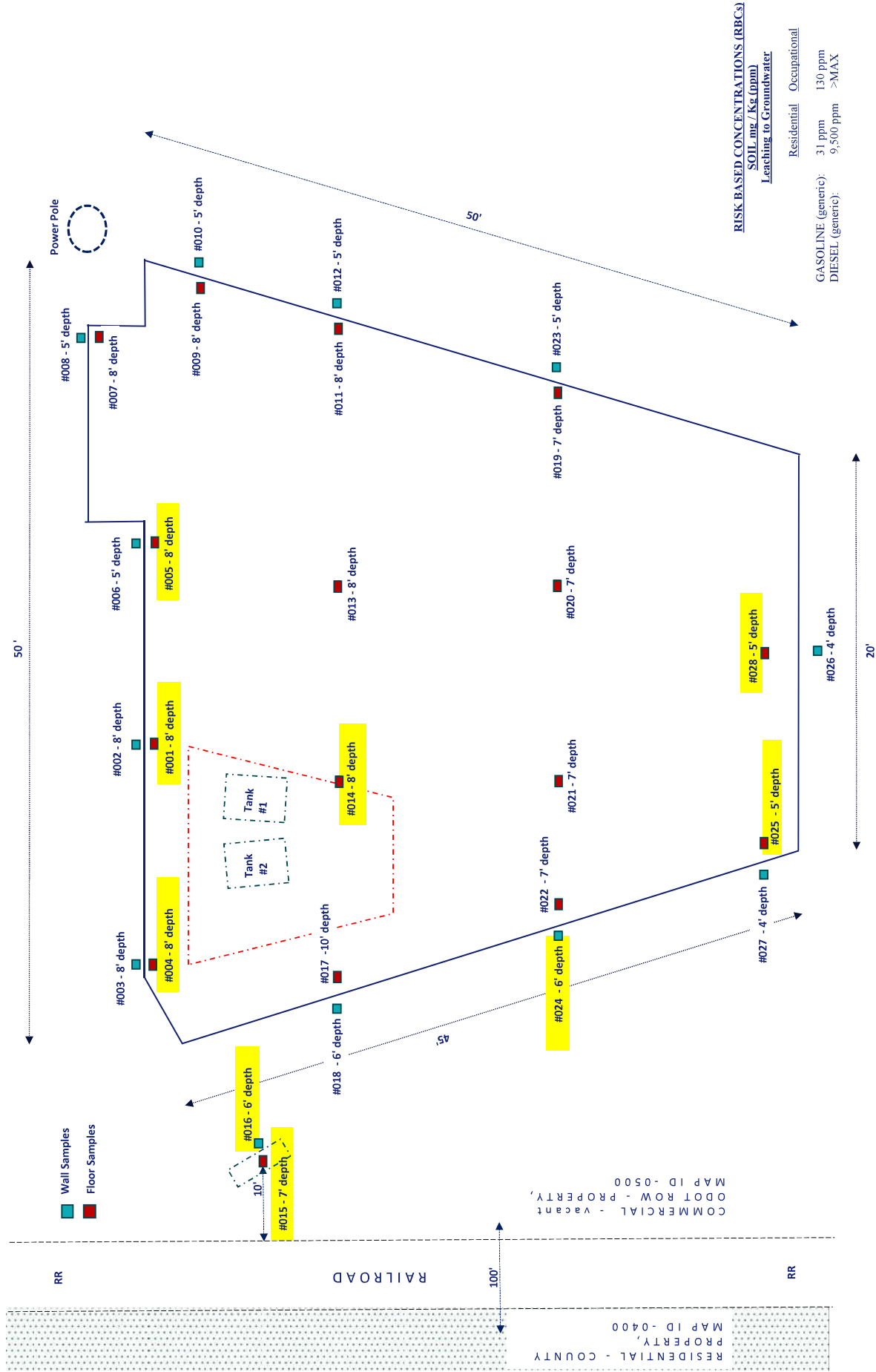
 **Share**

 **Add Waypoint**

 **Add Photo**

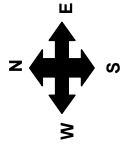
 **Report**

OR-99 Oakland Bridge Replacement Project - Abandoned USTs
 First Strike Environmental Co. - FSE Project No. 24-04-14 - ODEQ Log No. 10-24-0300
 Site Sample Location Map - April 16, 2024



RISK BASED CONCENTRATIONS (RBCs)

SOIL mg / Kg (ppm)	Leaching to Groundwater	Residential	Occupational
GASOLINE (generic):	31 ppm	130 ppm	
DIESEL (generic):	9,500 ppm	>MAX	



MAP NOT TO SCALE
 ALL FOOTAGE IS APPROXIMATE



Scale of Feet.

Copyright 1920 by the Standard Map Co.

SHELL OIL Co.

(PACIFIC HIGHWAY)

CONCRETE BRIDGE

0.25

50'

60'

(NOT OPEN)

Oil Store

General Store

60'

90

91

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

68'

APPENDICES

Appendix A – ODEQ Tank Program, Initial Regulatory Reporting

Appendix B – Site Photographs

Appendix C – Analytical Lab Reports

Appendix D - Disposal Documentation

Appendix E – Agency Communications

Appendix A

ODEQ Tank Program, Initial Regulatory Reporting



FIRST STRIKE ENVIRONMENTAL CO

Email@FSEco.com

Website: www.FSEco.com

24-Hrs: 1-800-447-3558

PRELIMINARY TECHNICAL MEMORANDUM



E-MAILED

5/9/24

CC: AR

TO: Dave Pardue / Oregon Department of Environmental Quality
Jim Orr / Oregon Department of Environmental Quality
Brian McMullen / Oregon Department of Transportation
Tim Doyle / Oregon Department of Transportation

FROM: Trevor Krueger / First Strike Environmental Co.
Nate Mandera / First Strike Environmental Co.

SUBJECT: ODEQ 30-Day UST Decommission Checklist – OR-99 LUST
ODOT Oakland Bridge Replacement Project, Oakland, Oregon
FSE Project No. 24-04-14 – ODEQ Log No. 10-24-0300

DATE: May 9, 2024

First Strike Environmental Co. (FSE) is submitting the required Oregon Department of Environmental Quality (ODEQ) regulatory reporting paperwork for the decommissioning of (2) two abandoned underground storage tanks (UST) located at the OR-99 Oakland Bridge Replacement Project in Oakland, Douglas County, Oregon, on behalf of the Oregon Department of Transportation (ODOT). Enclosed is the ODEQ 30-Day UST Decommission Checklist along with the 20-Day Report for work completed on the UST Decommissioning activities.

FSE completed underground storage tank (UST) decommissioning and initial remediation work at the site on April 15 and 16, 2024. Decommissioning work included the permanent decommissioning of the two (2) abandoned USTs, with an approximate 2,000-gallons capacity, by removal method. The two (2) USTs were pumped free of water-fuel mix liquids and transferred into 250-gallon totes for transport off site to temporary storage at FSE's yard in Roseburg, Oregon, pending disposal. FSE disposed of 1,650-gallons of oily water liquids by recycling method, on April 29, 2024, and 2,105-gallons of oily water liquids by recycling method, on May 1, 2024. Please see enclosed supporting documentation.

FSE completed disposal of UST #1 by recycling method at The Steel Recyclers on April 9, 2024, and UST #2 by recycling method at The Steel Recyclers on April 17, 2024. See enclosed supporting documentation.



On April 29, 2024, FSE submitted the ODEQ 20-Day Report to Dave Pardue and Jim Orr of the ODEQ along with the sample data summary and draft analytical reports for sampling events completed on April 9, 15, and 16, 2024. FSE received written approval from the ODEQ on May 7, 2024 to complete backfilling of the excavation Pit. See enclosed.



State of Oregon
Department of
Environmental
Quality

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY UNDERGROUND STORAGE TANK PROGRAM

UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST AND SITE ASSESSMENT REPORT

A. FACILITY INFORMATION:

This report **MUST** be submitted by the underground storage tank permittee or tank owner, or the licensed DEQ Service Provider on their behalf, **within 30 days following completion of the tank decommissioning or change-in-service regardless of ongoing cleanup work.**

DEQ FACILITY NUMBER: _____

FACILITY NAME: OR-99 Oakland Bridge Replacement Project

FACILITY ADDRESS: 43°25'29.964"N 123°18'7.0554"W, Shady-Oakland Highway, Douglas County, Oregon

PERMITTEE PHONE: (541) 957-3500

DATE: 4/29/2024

B. WORK PERFORMED BY:

The checklist and site assessment report should be completed and signed by the DEQ licensed supervisor and signed by an executive officer of the DEQ licensed Service Provider on page 6. The tank owner or permittee must review and sign the report on page 6. **NOTE: AN OWNER OR PERMITTEE MAY PERFORM UST SERVICES ONLY IF THEY HAVE TAKEN AND PASSED THE APPROPRIATE UST SUPERVISOR EXAMINATION OFFERED BY A NATIONAL TESTING SERVICE (SEE OAR 340-150-0156 for requirements).**

DEQ Service Provider's License #: 14793 Construction Contractors Board License #: 108932

Name: First Strike Environmental Company

Telephone: (800) 447-3558

DEQ Decommissioning Supervisor's License #: 27552

Name: Nathaniel Mander

Telephone: (800) 447-3558

DEQ Soil Matrix Service Provider's License #: _____ (If applicable)

Name: _____

Telephone: _____

DEQ Soil Matrix Supervisor's License #: _____ (If applicable)

Name: _____

Telephone: _____

C. DATES:Decommissioning/Change-in-Service Notice - Date Submitted: 4/3/2024 (30 days before work starts).Work Start Telephone Notice - Number issued by DEQ: 04/03/2024 (3 working days before work starts).DEQ Person Notified: Dylan Eckert, ODEQ Western RegionDate Work Started: 4/9/2024 Date Work Completed: 4/16/2024

Note: Provide the following information if any soil or water contamination is found during the decommissioning or change-in-service. Contamination must be reported by the UST permittee within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: 4/12/2024 By: First Strike via Online ReportingDEQ Person Notified: LUST Online Reporting/ Duty Officer**D. OTHER DEQ PERMITS MAY BE NEEDED WHERE SOIL OR WATER CLEANUP IS REQUIRED.**DEQ Water Discharge Permit #: N/A Date: Water Disposed to (Location): N/ADEQ Solid Waste Disposal Permit #: N/A Date: Soil Disposal or Treatment Location: Douglas County Solid Waste**E. TANK INFORMATION:**

TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER?		CLOSURE OR CHANGE-IN- SERVICE?			TANK TO BE REPLACED?	
			PRESENT	NEW	TANK REMOVAL	CLOSURE IN PLACE♦	CHANGE IN SERVICE♦	YES	NO
#1		2000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
#2		2000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE 1: Where decommissioned tank(s) are replaced by new underground storage tanks the UST permittee must submit a *General Permit Registration Form to Install and Operate USTs* containing information on the new tanks 30 days before installing them.

NOTE 2: Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

F. DISPOSAL INFORMATION:

TANK ID #	TANK AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS	SLUDGES
#1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Steel Recyclers, Roseburg, OR	1,500-gallons/ORRCo	150-gallons
#2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Steel Recyclers, Roseburg, OR	2,105-gallons/ORRCo	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

NOTE 1: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ regional office for your area.

NOTE 2: Attach copies of the disposal receipts for the tanks and piping. If the tanks are shipped off-site for reuse provide the name, address and phone number of the person or business receiving the tanks for reuse.

NOTE 3: Attach copies of the disposal receipts for the disposal or treatment of liquid or sludge removed from the tanks

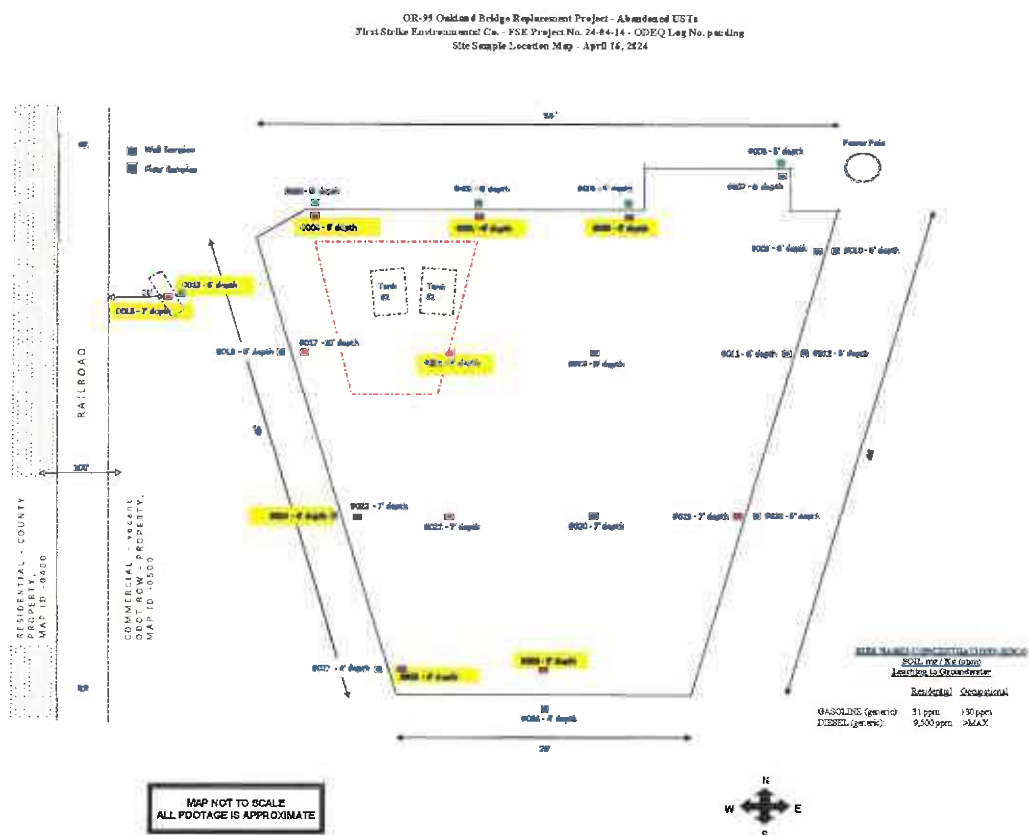
G. CONTAMINATION INFORMATION:

TANK ID #	GROUND WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY (NAME, CITY, STATE, PHONE)
#1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	28-total	APEX Labs, Tigard, Oregon
#2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	excavation	APEX Labs, Tigard, Oregon
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

NOTE 1: Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QC information. Include laboratory name, address and copies of chain-of-custody forms.

NOTE 2: If contamination is detected, DEQ requires you notify both the UST Program and Clean Up Program within 24 hours of observed contamination and/or analytical results. You must submit a [20 Day Report Form for UST Cleanup Projects](#) to the Cleanup Program and attach a copy of the form to this checklist.

H. SITE SKETCH: (Show location of adjacent roads, property lines, structures, dispensers, & all USTs. Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)



I. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher:	Type/Size: <u>Dry Chem, ABC 20lb</u>	Recharge Date: <u>3/1/2024</u>
Combustible Gas Detector:	Model: <u>Qrae 3, 4 gas meter</u>	Calibration Date: <u>4/8/2024</u>
Oxygen Analyzer:	Model: <u>Qrae 3, 4 gas meter</u>	Calibration Date: <u>4/8/2024</u>

J. DECOMMISSIONING:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
1. All electrical equipment grounded and explosion proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Safety equipment on job site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Overhead electrical lines located?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Subsurface electrical lines off or disconnected?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Natural gas lines off or disconnected?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. No open fires or smoking material in area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Vehicle and pedestrian traffic controlled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Excavation material area cleared?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Rainwater runoff directed to treatment area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Drained and collected product from lines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Removed product and residual from tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Cleaned tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Excavated to top of tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Removed tank fixtures? (pumps, leak detection equipment)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15. Removed product, fill and vent lines?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. TANK ABANDONMENT IN-PLACE:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
16. Sampling plan approved by DEQ? Date: _____ DEQ Staff: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Contamination concerns fully resolved?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Fill Material? Type: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Signature:

Email: lori@fseco.com

L. TANK REMOVAL:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
19. Tank placement area cleared, chocks placed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20. Purged or ventilated tank to prevent explosion? Method used: <u>Water - Tanks full of water</u> Meter reading: <u>0% LEL</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Were chains or steel cables wrapped around tank for removal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Tank removed, set on ground, blocked to prevent movement?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23. Tank set on truck and secured with straps(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Tank labeled before leaving site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

M. SITE ASSESSMENT:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
25. Site assessed for contamination? See OAR 340-122-0340	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Soil samples taken and analyzed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Was contamination found? Date/Time: <u>4/9/2024</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

N. REQUIRED SIGNATURES:

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Permittee or Tank Owner: Douglas County during ODOT ROW Project

(Please Print)

Permittee or Tank Owner: Jessica Bochart-Lensch Date: 4/29/2024
(Signature)

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Licensed Supervisor: Nate Mandera

(Please Print)

Licensed Supervisor: Nate Mandera Date: 06/05/24
(Signature)

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Executive Officer:
Licensed Service Provider [Signature]
(Please Print)

Executive Officer: _____ Date: 06/05/24
Licensed Service Provider (Signature)

Lori Onate

From: Lori Onate
Sent: Thursday, May 9, 2024 9:39 AM
To: ORR Jim * DEQ; UST Duty Officer * DEQ; PARDUE Dave * DEQ;
Brian.mcmullen@odot.oregon.gov; tim.doyle@odot.oregon.gov
Cc: Lori Onate; Leilani Thatcher
Subject: Thirty Day UST Decommission Check List OR-99 - FSE Project No. 24-04-14 - ODEQ Log No.
Attachments: 05-09-2024 ODEQ 30-Day UST Decommission Checklist - FSE Project No. 24-04-14 - ODEQ Log No. 10-24-0300.pdf

First Strike Environmental Co. (FSE) is submitting the Thirty Day UST Decommission Check List and Site Assessment Report along with supporting documentation for work completed on the decommissioning of two abandoned underground storage tanks found at the OR-99 Oakland Bridge Replacement Project.

FSE is preparing and will submit the Cleanup/Remediation Report and Request for No Further Action by the month end of May 2024.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

24-Hours - Toll Free: 800.447.3558
O. 541.673.9892
F. 541.673.1739
E. Email@FSEco.com
W. www.FSEco.com

When ACTION counts, count on FIRST STRIKE!

One Company - Many Services

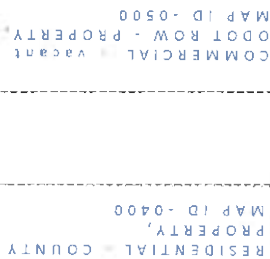
*** DO NOT read, copy or disseminate this communication unless you are the intended addressee. This e-mail communication contains confidential and/or privileged information intended only for the addressee. If you have received this communication in error, please call us immediately at (800) 447-3558 and ask to speak to the sender of the communication. Also, please e-mail the sender and notify the sender immediately that you have received the communication in error.

Sample Summary

SITE CLEARANCE SAMPLE SUMMARY - FSE Project No. 24-04-14 - OR-99 Oakland Bridge Project - ODEQ Log No. 10-24-0300

Draft 5/3/2024

Date	Sample ID	Item	Description	Location	NWTPH-Dx	NWTPH-Gx	BTEX 8260D	PAH	VOC 8260D	Lead Total	LAT	LON
4/15/2024	240414-001	Tank #1	Soil, Excavation Floor, 8' Depth	NW	Diesel Heavy Oil 23.7 ppm 73.9 ppm	ND	ND	ND			43°25'30.11"N	123°18'7.46"W
4/15/2024	240414-004	Tank #2	Soil, Excavation Floor, 8' Depth	NW	Diesel Heavy Oil 25.0 ppm ND	ND	ND	ND			43°25'30.07"N	123°18'7.36"W
4/15/2024	240414-005	Excavation Area	Soil, Excavation Floor, 8' Depth	NE	Diesel Heavy Oil 71.0 ppm 46.2 ppm	25.1 ppm		ND	ND	6.97 ppm	43°25'30.20"N	123°18'7.20"W
4/15/2024	240414-007	Excavation Area	Soil, Excavation Floor, 8' Depth	NE	Diesel Heavy Oil ND	ND	ND				43°25'30.05"N	123°18'7.09"W
4/15/2024	240414-009	Excavation Area	Soil, Excavation Floor, 8' Depth	NE - E	Diesel Heavy Oil ND	ND	ND				43°25'30.16"N	123°18'7.05"W
4/16/2024	240414-011	Excavation Area	Soil, Excavation Floor, 8' Depth	E	Diesel Heavy Oil ND	ND	ND				43°25'30.1"N	123°18'06.9"W
4/16/2024	240414-013	Excavation Area	Soil, Excavation Floor, 8' Depth	E Center	Diesel Heavy Oil ND	ND	ND				43°25'30.1"N	123°18'07.2"W
4/16/2024	240414-014	Excavation Area	Soil, Excavation Floor, 8' Depth	W Center	Diesel Heavy Oil 22.7 ppm 45.9 ppm	22.0 ppm			ND	5.78 ppm	43°25'30.2"N	123°18'07.3"W
4/16/2024	240414-015	10-foot west of excavation	Soil, Exploratory Floor, 7' Depth	West of Pit	Diesel Heavy Oil 105 ppm ND	ND	ND	34.8 ppm Fluorene, 20.0 ppm Phenanthrene				
4/16/2024	240414-017	Tank #2	Soil, Excavation Floor, 10' Depth	West	Diesel Heavy Oil ND	ND	ND				43°25'30.1"N	123°18'07.4"W
4/16/2024	240414-019	Excavation Area	Soil, Excavation Floor, 7' Depth	E	Diesel Heavy Oil ND	ND	ND				43°25'30.0"N	123°18'07.1"W
4/16/2024	240414-020	Excavation Area	Soil, Excavation Floor, 7' Depth	E Center	Diesel Heavy Oil ND	ND	ND				43°25'29.9"N	123°18'07.1"W
4/16/2024	240414-021	Excavation Area	Soil, Excavation Floor, 7' Depth	W Center	Diesel Heavy Oil ND	ND	ND				43°25'29.9"N	123°18'07.3"W
4/16/2024	240414-022	Excavation Area	Soil, Excavation Floor, 7' Depth	W	Diesel Heavy Oil ND	ND	ND				43°25'29.9"N	123°18'06.9"W
4/16/2024	240414-025	Excavation Area	Soil, Excavation Floor, 5' Depth	S	Diesel Heavy Oil ND	52.6 ppm			ND	4.95 ppm	43°25'29.7"N	123°18'07.2"W
4/16/2024	240414-028	Excavation Area	Soil, Excavation Floor, 5' Depth	S	Diesel Heavy Oil ND	17.7 ppm			111 ppm Toluene, 185 ppm Xylenes, Total	6.18 ppm		
4/15/2024	240414-002	Tank #1	Soil, Excavation Center, 5' Depth	N Wall	Diesel Heavy Oil ND	ND	ND				43°25'30.09"N	123°18'7.40"W
4/15/2024	240414-003	Tank #2	Soil, Excavation Wall, 5' Depth	NW	Diesel Heavy Oil ND	ND	ND				43°25'30.05"N	123°18'7.39"W
4/15/2024	240414-006	Excavation Area	Soil, Excavation Wall, 5' Depth	NE	Diesel Heavy Oil ND	ND	ND				43°25'30.20"N	123°18'7.26"W
4/15/2024	240414-008	Excavation Area	Soil, Excavation Wall, 5' Depth	NE - N	Diesel Heavy Oil ND	ND	ND				43°25'30.04"N	123°18'7.09"W
4/15/2024	240414-010	Excavation Area	Soil, Excavation Wall, 5' Depth	NE - E	Diesel Heavy Oil ND	ND	ND				43°25'30.10"N	123°18'7.14"W
4/16/2024	240414-012	Excavation Area	Soil, Excavation Wall, 5' Depth	E	Diesel Heavy Oil ND	ND	ND				43°25'30.2"N	123°18'06.9"W
4/16/2024	240414-016	10-foot west of excavation	Soil, Exploratory Wall, 6' Depth	West of Pit	Diesel Heavy Oil 26.6 ppm ND	16.4 ppm				6.58 ppm		
4/16/2024	240414-018	Excavation Area	Soil, Excavation Wall, 6' Depth	W	Diesel Heavy Oil ND	ND	ND				43°25'30.0"N	123°18'07.3"W
4/16/2024	240414-023	Excavation Area	Soil, Excavation Wall, 5' Depth	E	Diesel Heavy Oil ND	ND	ND				43°25'29.8"N	123°18'07.2"W
4/16/2024	240414-024	Excavation Area	Soil, Excavation Wall, 6' Depth	W	Diesel Heavy Oil 28.2 ppm ND	ND	ND				43°25'30.0"N	123°18'07.4"W
4/16/2024	240414-026	Excavation Area	Soil, Excavation Wall, 4' Depth	S	Diesel Heavy Oil ND	ND	ND				43°25'30.0"N	123°18'07.3"W
4/16/2024	240414-027	Excavation Area	Soil, Excavation Wall, 4' Depth	SW	Diesel Heavy Oil ND	ND	ND				43°25'29.7"N	123°18'07.5"W

OR-99 Oakland Bridge Replacement Project - Abandoned USTs

See Appendix C, Analytical Laboratory Reports

<u>ORRCO Disposal</u>	<u>Gals</u>	<u>FSE Project No. 24-04-14 Oakland Bridge Project</u>
4/29/2024	1650	Oily Waters
5/1/2024	2105	Oily Waters

Oil Re-Refining Company

EPA# ORD980975692

4150 N Suttle Rd

Portland, OR 97217

Phone: 503-286-8352

Work Order

4/9/2024

Service Information

First Strike Environmental Company

256 Quarry Rd

PO REQUIRED BEFORE DISPATCH

Roseburg, OR 97470-9453

Contact: Trevor

Phone: 1-541-673-9892

E-mail: accounting@fseco.com; email@fseco.com

Billing Information

First Strike Environmental Company

256 Quarry Rd

Roseburg, OR 97470-9453

Job Name

First Strike Environmental Co. - 2401328

Job Type	PO #	Invoice #	Scheduled	Start	End
Commercial	240414		04/09/2024	6:00 AM	7:00 AM

Item	Description	Quantity
Wastewater (emuls. oil & water)	For recycling, Flash Point > 200 F. pH: HCDT/ CDT test:	1650.0000
Hydro Clor D Tect Test	Field test for chlorinates in aqueous materials	1.0000
Truck & Gear Labor	Per hour (includes stop fee, job time and travel time when applicable).	1.0000

GEN EPA ID#	GEN Status	Profile 1	Profile 2	Profile 3	Profile 4
None	AF 3-16-24	Oily Water 08-1-23		Spent Fuel-01/12/24	
Profile 5	Profile 6	Profile 7	Profile 8		
fuel and water 6/8/23(pilot)	oilly solids8-12-22				
Consigned to	Via carrier	Destination	City/State	EPA #	Truck #
ORRCO/Goshen	ORRCO	85951 Old Hwy 99 S	Eugene, OR	ORQ000024941	4737
Driver	Manifest #	CA waste codes			
Paul Pollard					

Job Notes and Instructions:

4/8- PO# 240414 -Spencer called job in 541-673-9892- Thank You- Emily200. Po240414

Oil Re-Refining Company

EPA# ORD980975692
4150 N Suttle Rd
Portland, OR 97217
Phone: 503-286-8352

Work Order

5/1/2024

Service Information

First Strike Environmental Company
256 Quarry Rd
PO REQUIRED BEFORE DISPATCH
Roseburg, OR 97470-9453
Contact: Trevor
Phone: 1-541-673-9892
E-mail: accounting@fseco.com; email@fseco.com

Billing Information

First Strike Environmental Company
256 Quarry Rd
Roseburg, OR 97470-9453

Job Name

First Strike Environmental Co. - 2401364

Job Type	PO #	Invoice #	Scheduled	Start	End
Commercial	24-04-14		05/01/2024	9:00 AM	10:00 AM

Item	Description	Quantity
Wastewater (emuls. oil & water)	For recycling, Flash Point > 200 F. pH: HCDD/ CDT test:	2105.0000
Hydro Clor D Test	Field test for chlorinates in aqueous materials	1.0000
Truck & Gear Labor	Per hour (includes stop fee, job time and travel time when applicable).	1.0000

GEN EPA ID# None	GEN Status AF 3-16-24	Profile 1 Oily Water 08-1-23	Profile 2	Profile 3 Spent Fuel-01/12/24	Profile 4
Profile 5 fuel and water 6/8/23(pilot)	Profile 6 solids8-12-22	Profile 7	Profile 8		
Consigned to ORRCO/Goshen	Via carrier ORRCO	Destination 85951 Old Hwy 99 S	City/State Eugene, OR	EPA # ORQ000024941	Truck # 4737
Driver Cory Dickinson	Manifest #	CA waste codes			

Job Notes and Instructions:

4/10 Debby -PO# 24-04-14- ODT (open Bridge Project)
4/29 Lori called with PO# 31910



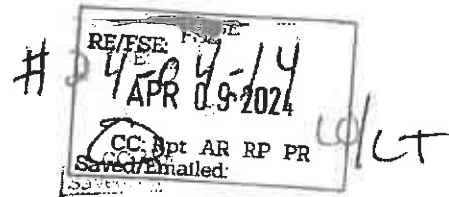
Steel Recyclers

135 Kester Road
Roseburg, OR 97470

Voice: 541-440-3005
Fax: 541-440-3007

Hours of Business:

Monday-Friday: 8:00am-4:45pm
Closed Saturday & Sunday



Account Number First Strike

First Strike

4/9/24

3:09 PM

Invoice #: 96809

Commodity	Units	Unit of Measure	Unit Price	Amount
Unprepared Scrap Iron	0.94	Ton		
Round to the next Quarter	1.00	Each		

"I the undersigned, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property. I understand that this statement is made under penalty of perjury and may be used as evidence in court."

Authorized Signature



135 Kester Road
Roseburg, OR 97470

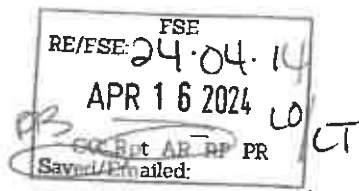
Voice: 541-440-3005
Fax: 541-440-3007

Hours of Business:

Monday-Friday: 8:00am-4:45pm
Closed Saturday & Sunday

Tank #2

24-04-14



COPY

Account Number First Strike

First Strike

4/17/24

2:07 PM

Invoice #: 96915

Commodity	Units	Unit of Measure	Unit Price	Amount
Unprepared Scrap Iron	0.96	Ton		
Round to the next Quarter	1.00	Each		

"I the undersigned, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property. I understand that this statement is made under penalty of perjury and may be used as evidence in court."

Authorized Signature

Lori Onate

From: Lori Onate
Sent: Monday, April 29, 2024 4:44 PM
To: PARDUE Dave * DEQ; ORR Jim * DEQ; Brian.mcmullen@odot.oregon.gov; tim.doyle@odot.oregon.gov; joey@farlinebridge.com
Cc: Lori Onate; Leilani Thatcher
Subject: 20-Day Reporting and Lab Reports - ODOT Oakland Bridge Site - FSE Project No. 24-04-14 - ODEQ Log No. 10-24-0300
Attachments: 04-25-2024 Initial (Twenty Day) Report Form for UST Cleanup Projects.pdf; Draft Added Lab_No Lead_A4D1314 DRAFT 04 25 24 1633---FSE---Oakland Bridge UST.pdf; 04-16-2024 Samples - DRAFT Partial Added_A4D1356 DRAFT 04 25 24 1701---FSE---Oakland Bridge UST.pdf

First Strike Environmental Co. (FSE) is submitting the Twenty Day (20-Day) Report in connection with the above captioned LUST site.

FSE is attaching all final and draft analytical laboratory reports received to date for sampling events on April 9, 15, and 16, 2024.

The Twenty Day Report is uploaded to the ODEQ Online portal.

FSE will submit the 30-Day and formal reporting on May 9, 2024, along with the site maps, photographs, sampling analysis summary, and disposal documentation.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

From: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Sent: Monday, April 15, 2024 12:52 PM
To: Lori Onate <Lori@fseco.com>
Subject: RE: TANK #2 - RE: Oakland Bridge Site - FSE Project No. 24-04-14

Hi Lori-

Thanks for letting me know. The \$500 fee is **per tank**.

Please submit revised notification; you can wait until all the remediation/exploration is done, and then submit one final revised 30-Day Notice with the additional fee/fees.

Cheers,

Dave

Dave Pardue
Underground Storage Tank Program Coordinator
Oregon Department of Environmental Quality
700 NE Multnomah Street, Suite 600

Disposal receipts for soil, tank, and fluids/sludge must be submitted with the checklist within 30 days from the end of fieldwork. Also please include a 20-Day Cleanup Report, since there is contamination.

A LUST Cost Recovery Agreement should be signed to get the site on the waitlist and enable a PM to be assigned from the LUST Program.

Has the release been reported via the YDO system? Did any groundwater enter the excavation?

Regards,

Dave

Dave Pardue
Underground Storage Tank Program Coordinator
Oregon Department of Environmental Quality
700 NE Multnomah Street, Suite 600
Portland, OR 97232
503-229-6085
Pronouns: He/Him/His

Sign-up for UST Program Updates Here:

https://service.govdelivery.com/accounts/ORDEQ/subscriber/new?topic_id=ORDEQ_546



We are modernizing and upgrading the way we process information at DEQ with *Your DEQ Online*: a new centralized hub for communities, businesses and individuals. [Click here to learn more.](#)



LUST Project Document

ID 16225 Submitted Date 4/29/2024

Site Information

Select your Facility

Name	Facility ID
ODOT OR-99 Oakland Bridge Replacement	290000

Physical Location

512 NE 1st St, Oakland, OR 97462 (43.42499,-123.30196)

Select your project

Project Name	Project ID
ODOT OR-99 Oakland Bridge Replacement	61706

Project Type	Project Number
Leaking Underground Storage Tank	10-24-0300

Lori Onate

From: PARDUE Dave * DEQ <dave.pardue@stateoforegon.mail.onmicrosoft.com>
Sent: Monday, April 29, 2024 4:46 PM
To: Lori Onate
Subject: Automatic reply: 20-Day Reporting and Lab Reports - ODOT Oakland Bridge Site - FSE Project No. 24-04-14 - ODEQ Log No. 10-24-0300

Hello-

Thank you for your message. I will be out of the office until April 30, 2024. I will be unavailable by phone or email, and will reply to you shortly after my return. If you have an urgent question, please contact the UST Program at tanks.info@deq.oregon.gov or by calling 503-229-6652.

Best regards,

Dave Pardue
DEQ UST Program Coordinator
503-360-4287



Submittal Receipt

Department of Environmental Quality, State of Oregon

700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100

Date Created: 4/29/2024

Submittal Summary

Submittal ID: **16225**

Facility (project site): **ODOT OR-99 Oakland Bridge Replacement**

Submittal: **LUST Project Document**

Submitted By: **Lori Onate**

Email: Ironate2@icloud.com

Submitted Date: **2024-04-29 12:04:56**

Submittal Form Info

Submittal Name: **LUST Project Document**

Submission Method: **Online**

Action Type: **New**

Payment Information

There is no payment due at this time.

Certification

Statement: **I, as the Responsible Officer or delegated by the Accounting Officer, declare that the information provided in this application or attached to the application is, to the best of my knowledge, in all respects factually true and correct. I am aware that the supply of false or misleading information in the application form is a criminal offence.**

Question: **what is your favorite pet's name?**

Question's Answer: *********

PIN Number: *********

IP Address: **68.116.108.6**

Responsible Official: **Lori Onate**



LUST Project Document

ID	16225	Submitted Date	4/29/2024
----	-------	----------------	-----------

Site Information

Select your Facility

Name

ODOT OR-99 Oakland Bridge Replacement

Facility ID

290000

Physical location

512 NE 1st St, Oakland, OR 97462 (43.42499,-123.30196)

Select your project

Project Name

ODOT OR-99 Oakland Bridge Replacement

Project ID

61706

Project Type

Leaking Underground Storage Tank

Project Number

10-24-0300



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

Initial (Twenty Day) Report Form for UST Cleanup Projects

This report is due twenty (20) days from the date of the release.

DEQ LUST File No. 10-24-0300

DEQ Facility ID No.

Site Name: OR-99 Oakland Bridge Replacement Project

Site Address: 43°25'29.964"N 123°18'7.0554"W, Shady-Oakland Highway, Douglas County, Oregon

INITIAL CLEANUP INFORMATION

(1) Type of contamination (check ☒ all that apply):

- ☒ Gasoline ☒ Diesel ☐ Waste Oil ☐ Heating Oil
☐ Other (specify)

(2) Estimate quantity of release (based on information known to date – • select only one):

- ☐ <100 gal. ☒ 100-499 gal. ☐ 500-999 gal. ☐ 1,000-5,000 gal. ☐ >5,000 gal.

SITE INFORMATION (check ☒ yes or ☒ no)

(3) ☐ Y ☒ N Did any water enter the excavation? If yes, please describe and identify the depth to groundwater in feet below ground surface:

(4) ☐ Y ☒ N Was a sheen or odor observed on any water in the excavation?

Note: If groundwater is encountered, soil samples from the soil/water interface must be collected and analyzed for BTEX and by the appropriate TPH method.

At sites where diesel or other non-gasoline products have been released, the water may also have to be screened or tested for polynuclear aromatic hydrocarbons (PAHs). Please refer to OAR 340-122-0218.

(5) ☐ Y ☒ N Was water pumped from the excavation?

☐ Y ☐ N If yes, did groundwater recharge within 24 hours after pumping?

Please describe the pumping procedure and disposal option selected for the purged excavation water:

(6) ☐ Y ☒ N Were any water samples collected from the excavation? If yes, please describe:

(7) ☒ Y ☐ N Have any soil and/or water sample results been received at this time?
If so, please attach any lab reports.

AREA/SITE CONDITIONS:

- (15) Mean annual rainfall: ☐ <20 inches ☒ 20-45 inches ☐ >45 inches
- (16) Soil type(s) of the naturally occurring soils, not the backfill around the tank – • select only one:
- ☒ clays, compact tills, shales, and unfractured metamorphic and igneous rocks
- ☐ sandy loams, loamy sands, silty clays, clay loams, moderately permeable limestone, dolomite, sandstones, moderately fractured igneous and metamorphic rock
- ☐ fine and silty sands, sands and gravels, highly fractured igneous and metamorphic rock, permeable basalts and lavas, karst limestones and dolomites

SOIL MANAGEMENT

- (17) If soil sample results have been received:
☒ Y ☐ N Will the level of contamination detected require removal of contaminated soil for treatment or disposal?
- (18) All contaminated soil temporarily stockpiled on-site prior to treatment or disposal must be contained within a bermed area, kept covered, and the entire area secured to prevent unauthorized access by the public. If you haven't done this, please explain why:

Temporary stockpiles are removed and contaminated soils were disposed by landfill method on April 15, 2024 and April 16, 2024.

Note: It is a violation to stockpile petroleum contaminated soil (PCS) on-site for greater than 30 days without a DEQ Solid Waste Letter Authorization (SWLA) Permit.

- (19) If contaminated soil is currently stockpiled on-site, please indicate when disposal will occur or when treatment will begin: N/A
- (20) Estimated volume of contaminated soil (specify tons or cubic yards): 776.77-Tons
- (21) Intended disposition of soils (please • select only one):

- ☐ On-site/off-site treatment, Solid Waste Letter Authorization Permit Application attached.
- ☐ Thermal treatment off-site at an authorized facility.
 Facility name: _____
- ☒ Landfill disposal.
 Name of Landfill: Douglas County Landfill, McLain Avenue, Roseburg, Oregon

Note: Please attach additional information as necessary to explain any unusual circumstances associated with this project.

Appendix B

Site Photographs

Appendix C

Analytical Laboratory Reports

Sample Summary

SITE CLEARANCE SAMPLE SUMMARY - FSE Project No. 24-04-14 - OR-99 Oakland Bridge Project - ODEQ Log No. 10-24-0300

Draft 5/3/2024

Date	Sample ID	Item	Description	Location	NWTPH-Dx	NWTPH-6x	PAH	VOC	Lead Total	LAT	LOn
4/15/2024	240414-001	Tank #1	Soil, Excavation Floor, 8' Depth	NW	Diesel Heavy Oil 23.7 ppm 73.9 ppm	ND	ND	ND		43°25'30.11"N	123°18'7.46"W
4/15/2024	240414-004	Tank #2	Soil, Excavation Floor, 8' Depth	NW	Diesel Heavy Oil 25.0 ppm	ND	ND	ND		43°25'30.07"N	123°18'7.36"W
4/15/2024	240414-005	Excavation Area	Soil, Excavation Floor, 8' Depth	NE	Diesel Heavy Oil 71.0 ppm 46.2 ppm	25.1 ppm	ND	ND	6.97 ppm	43°25'30.20"N	123°18'7.26"W
4/15/2024	240414-007	Excavation Area	Soil, Excavation Floor, 8' Depth	NE	Diesel Heavy Oil ND	ND	n/a	n/a		43°25'30.05"N	123°18'7.09"W
4/15/2024	240414-009	Excavation Area	Soil, Excavation Floor, 8' Depth	NE - E	Diesel Heavy Oil ND	ND	n/a	n/a		43°25'30.16"N	123°18'7.05"W
4/16/2024	240414-011	Excavation Area	Soil, Excavation Floor, 8' Depth	E	Diesel Heavy Oil ND	ND	n/a	n/a		43°25'30.1"N	123°18'06.9"W
4/16/2024	240414-013	Excavation Area	Soil, Excavation Floor, 8' Depth	E Center	Diesel Heavy Oil ND	ND	n/a	n/a		43°25'30.1"N	123°18'07.2"W
4/16/2024	240414-014	Excavation Area	Soil, Excavation Floor, 8' Depth	W Center	Diesel Heavy Oil 22.7 ppm 45.9 ppm	22.0 ppm		ND	5.78 ppm	43°25'30.2"N	123°18'07.3"W
4/16/2024	240414-015	10-feet west of excavation	Soil, Exploratory Floor, 7' Depth	West of Pit	Diesel Heavy Oil 105 ppm	ND	24.9 ppb Fluorene, 20.0 ppb Phenanthrene				
4/16/2024	240414-017	Tank #2	Soil, Excavation Floor, 10' Depth	West	Diesel Heavy Oil ND	ND	n/a	n/a	n/a	43°25'30.1"N	123°18'07.4"W
4/16/2024	240414-019	Excavation Area	Soil, Excavation Floor, 7' Depth	E	Diesel Heavy Oil ND	ND	n/a	n/a	n/a	43°25'30.0"N	123°18'07.1"W
4/16/2024	240414-020	Excavation Area	Soil, Excavation Floor, 7' Depth	E Center	Diesel Heavy Oil ND	ND	n/a	n/a	n/a	43°25'29.9"N	123°18'07.1"W
4/16/2024	240414-021	Excavation Area	Soil, Excavation Floor, 7' Depth	W Center	Diesel Heavy Oil ND	ND	n/a	n/a	n/a	43°25'29.9"N	123°18'07.3"W
4/16/2024	240414-022	Excavation Area	Soil, Excavation Floor, 7' Depth	W	Diesel Heavy Oil ND	ND	n/a	n/a	n/a	43°25'29.9"N	123°18'06.9"W
4/16/2024	240414-025	Excavation Area	Soil, Excavation Floor, 5' Depth	S	Diesel Heavy Oil ND	52.0 ppm		ND	4.95 ppm	43°25'29.7"N	123°18'07.2"W
4/16/2024	240414-028	Excavation Area	Soil, Excavation Floor, 5' Depth	S	Diesel Heavy Oil ND	17.7 ppm		111 ppm Toluene, 185 ppm Xylenes, total	6.18 ppm		

4/15/2024	240414-002	Tank #1	Soil, Excavation Center, 5' Depth	N Wall	Diesel Heavy Oil ND	ND	n/a			43°25'30.09"N	123°18'7.40"W
4/15/2024	240414-003	Tank #2	Soil, Excavation Wall, 5' Depth	NW	Diesel Heavy Oil ND	ND	n/a			43°25'30.05"N	123°18'7.39"W
4/15/2024	240414-006	Excavation Area	Soil, Excavation Wall, 5' Depth	NE	Diesel Heavy Oil ND	ND	n/a			43°25'30.20"N	123°18'7.26"W
4/15/2024	240414-008	Excavation Area	Soil, Excavation Wall, 5' Depth	NE - N	Diesel Heavy Oil ND	ND	n/a			43°25'30.04"N	123°18'7.09"W
4/15/2024	240414-010	Excavation Area	Soil, Excavation Wall, 5' Depth	NE - E	Diesel Heavy Oil ND	ND	n/a			43°25'30.10"N	123°18'7.14"W
4/16/2024	240414-012	Excavation Area	Soil, Excavation Wall, 5' Depth	E	Diesel Heavy Oil ND	ND	n/a			43°25'30.2"N	123°18'06.9"W
4/16/2024	240414-016	10-feet west of excavation	Soil, Exploratory Wall, 6' Depth	West of Pit	Diesel Heavy Oil 26.6 ppm	18.4 ppm		6.58 ppm			
4/16/2024	240414-018	Excavation Area	Soil, Excavation Wall, 6' Depth	W	Diesel Heavy Oil ND	ND	n/a			43°25'30.0"N	123°18'07.3"W
4/16/2024	240414-023	Excavation Area	Soil, Excavation Wall, 5' Depth	E	Diesel Heavy Oil ND	ND	n/a			43°25'29.8"N	123°18'07.2"W
4/16/2024	240414-024	Excavation Area	Soil, Excavation Wall, 6' Depth	W	Diesel Heavy Oil 28.2 ppm	ND				43°25'30.0"N	123°18'07.4"W
4/16/2024	240414-026	Excavation Area	Soil, Excavation Wall, 4' Depth	S	Diesel Heavy Oil ND	ND	n/a			43°25'30.0"N	123°18'07.3"W
4/16/2024	240414-027	Excavation Area	Soil, Excavation Wall, 4' Depth	SW	Diesel Heavy Oil ND	ND	n/a			43°25'29.7"N	123°18'07.5"W

4/15/2024

4/16/2024



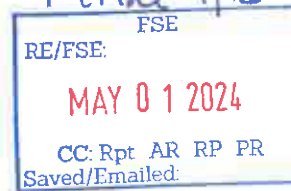
ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Tuesday, April 30, 2024

Trevor Krueger
First Strike Environmental Co.
256 Quarry Road
Roseburg, OR 97470



RE: A4D1314 - Oakland Bridge UST - 24-04-14

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A4D1314, which was received by the laboratory on 4/17/2024 at 11:00:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Default Cooler 3.4 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1314 - 04 30 24 1731

ANALYTICAL SAMPLE RESULTS**Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-001 (A4D1314-01)				Matrix: Soil		Batch: 24D0632		
Diesel	23.7	---	20.9	mg/kg dry	1	04/17/24 21:07	NWTPH-Dx	F-11, F-15
Oil	73.9	---	41.9	mg/kg dry	1	04/17/24 21:07	NWTPH-Dx	F-16
Surrogate: o-Terphenyl (Surr)		Recovery:	77 %	Limits:	50-150 %	1	04/17/24 21:07	NWTPH-Dx
240414-002 (A4D1314-02)				Matrix: Soil		Batch: 24D0632		
Diesel	ND	---	20.8	mg/kg dry	1	04/17/24 21:54	NWTPH-Dx	
Oil	ND	---	41.6	mg/kg dry	1	04/17/24 21:54	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery:	82 %	Limits:	50-150 %	1	04/17/24 21:54	NWTPH-Dx
240414-003 (A4D1314-03)				Matrix: Soil		Batch: 24D0632		
Diesel	ND	---	22.4	mg/kg dry	1	04/17/24 22:17	NWTPH-Dx	
Oil	ND	---	44.7	mg/kg dry	1	04/17/24 22:17	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery:	84 %	Limits:	50-150 %	1	04/17/24 22:17	NWTPH-Dx
240414-004 (A4D1314-04)				Matrix: Soil		Batch: 24D0632		
Diesel	25.0	---	21.8	mg/kg dry	1	04/17/24 22:41	NWTPH-Dx	F-11
Oil	ND	---	43.5	mg/kg dry	1	04/17/24 22:41	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery:	88 %	Limits:	50-150 %	1	04/17/24 22:41	NWTPH-Dx
240414-005 (A4D1314-05)				Matrix: Soil		Batch: 24D0632		
Diesel	71.0	---	22.4	mg/kg dry	1	04/17/24 23:04	NWTPH-Dx	F-13
Oil	46.2	---	44.7	mg/kg dry	1	04/17/24 23:04	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery:	88 %	Limits:	50-150 %	1	04/17/24 23:04	NWTPH-Dx
240414-006 (A4D1314-06)				Matrix: Soil		Batch: 24D0632		
Diesel	ND	---	21.0	mg/kg dry	1	04/17/24 23:27	NWTPH-Dx	
Oil	ND	---	42.0	mg/kg dry	1	04/17/24 23:27	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery:	83 %	Limits:	50-150 %	1	04/17/24 23:27	NWTPH-Dx
240414-007 (A4D1314-07)				Matrix: Soil		Batch: 24D0632		
Diesel	ND	---	20.1	mg/kg dry	1	04/17/24 23:51	NWTPH-Dx	
Oil	ND	---	40.1	mg/kg dry	1	04/17/24 23:51	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery:	84 %	Limits:	50-150 %	1	04/17/24 23:51	NWTPH-Dx

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.
256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**
Project Number: **24-04-14**
Project Manager: **Trevor Krueger**Report ID:
A4D1314 - 04 30 24 1731

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-001 (A4D1314-01)				Matrix: Soil		Batch: 24D0677		V-16
Gasoline Range Organics	ND	---	6.58	mg/kg dry	50	04/18/24 11:13	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 100 %	Limits: 50-150 %	1	04/18/24 11:13	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/18/24 11:13	NWTPH-Gx (MS)		
240414-002 (A4D1314-02)				Matrix: Soil		Batch: 24D0677		V-16
Gasoline Range Organics	ND	---	6.44	mg/kg dry	50	04/18/24 12:08	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	04/18/24 12:08	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/18/24 12:08	NWTPH-Gx (MS)		
240414-003 (A4D1314-03)				Matrix: Soil		Batch: 24D0677		V-16
Gasoline Range Organics	ND	---	6.62	mg/kg dry	50	04/18/24 12:35	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	04/18/24 12:35	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/18/24 12:35	NWTPH-Gx (MS)		
240414-004 (A4D1314-04)				Matrix: Soil		Batch: 24D0677		V-16
Gasoline Range Organics	ND	---	7.09	mg/kg dry	50	04/18/24 13:03	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	04/18/24 13:03	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/18/24 13:03	NWTPH-Gx (MS)		
240414-005 (A4D1314-05)				Matrix: Soil		Batch: 24D0677		V-16
Gasoline Range Organics	25.1	---	6.67	mg/kg dry	50	04/18/24 13:30	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 102 %	Limits: 50-150 %	1	04/18/24 13:30	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/18/24 13:30	NWTPH-Gx (MS)		
240414-006 (A4D1314-06)				Matrix: Soil		Batch: 24D0677		V-16
Gasoline Range Organics	ND	---	7.20	mg/kg dry	50	04/18/24 13:57	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	04/18/24 13:57	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		106 %	50-150 %	1	04/18/24 13:57	NWTPH-Gx (MS)		
240414-007 (A4D1314-07)				Matrix: Soil		Batch: 24D0677		
Gasoline Range Organics	ND	---	6.16	mg/kg dry	50	04/18/24 14:24	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	04/18/24 14:24	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/18/24 14:24	NWTPH-Gx (MS)		
240414-008 (A4D1314-08)				Matrix: Soil		Batch: 24D0677		

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1314 - 04 30 24 1731****ANALYTICAL SAMPLE RESULTS****BTEX Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-001 (A4D1314-01)				Matrix: Soil		Batch: 24D0677		V-16
Benzene	ND	---	13.2	ug/kg dry	50	04/18/24 11:13	5035A/8260D	
Toluene	ND	---	65.8	ug/kg dry	50	04/18/24 11:13	5035A/8260D	
Ethylbenzene	ND	---	32.9	ug/kg dry	50	04/18/24 11:13	5035A/8260D	
Xylenes, total	ND	---	98.6	ug/kg dry	50	04/18/24 11:13	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	94 %	<i>Limits:</i>	80-120 %	1	04/18/24 11:13	5035A/8260D
<i>Toluene-d8 (Surr)</i>			99 %		80-120 %	1	04/18/24 11:13	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			99 %		79-120 %	1	04/18/24 11:13	5035A/8260D
240414-004 (A4D1314-04)				Matrix: Soil		Batch: 24D0677		V-16
Benzene	ND	---	14.2	ug/kg dry	50	04/18/24 13:03	5035A/8260D	
Toluene	ND	---	70.9	ug/kg dry	50	04/18/24 13:03	5035A/8260D	
Ethylbenzene	ND	---	35.5	ug/kg dry	50	04/18/24 13:03	5035A/8260D	
Xylenes, total	ND	---	106	ug/kg dry	50	04/18/24 13:03	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	93 %	<i>Limits:</i>	80-120 %	1	04/18/24 13:03	5035A/8260D
<i>Toluene-d8 (Surr)</i>			100 %		80-120 %	1	04/18/24 13:03	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			99 %		79-120 %	1	04/18/24 13:03	5035A/8260D

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1314 - 04 30 24 1731

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-001 (A4D1314-01)				Matrix: Soil		Batch: 24D0878		
Acenaphthene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Acenaphthylene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Anthracene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Benz(a)anthracene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Chrysene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Fluoranthene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Fluorene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Naphthalene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Phenanthrene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Pyrene	ND	---	10.8	ug/kg dry	1	04/24/24 16:36	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery:	72 %	Limits: 44-120 %	1	04/24/24 16:36	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)			67 %	54-127 %	1	04/24/24 16:36	EPA 8270E SIM	
240414-004 (A4D1314-04)				Matrix: Soil		Batch: 24D0878		
Acenaphthene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Acenaphthylene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Anthracene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Benz(a)anthracene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Chrysene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Fluoranthene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Fluorene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1314 - 04 30 24 1731****ANALYTICAL SAMPLE RESULTS****Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-005 (A4D1314-05)				Matrix: Soil				
Batch: 24D1036								
Lead	6.97	---	0.261	mg/kg dry	10	04/27/24 19:36	EPA 6020B	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1314 - 04 30 24 1731****QUALITY CONTROL (QC) SAMPLE RESULTS****Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0632 - EPA 3546 (Fuels)						Soil						
Blank (24D0632-BLK1)				Prepared: 04/17/24 09:54 Analyzed: 04/17/24 20:20								
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 91 %		Limits: 50-150 %		Dilution: 1x						
LCS (24D0632-BS1)				Prepared: 04/17/24 09:54 Analyzed: 04/17/24 20:43								
NWTPH-Dx												
Diesel	126	---	20.0	mg/kg wet	1	125	---	101	38-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 94 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0632-DUP1)				Prepared: 04/17/24 12:04 Analyzed: 04/17/24 21:30								
QC Source Sample: 240414-001 (A4D1314-01)												
NWTPH-Dx												
Diesel	25.2	---	20.7	mg/kg dry	1	---	23.7	---	---	6	30%	F-11, F-15
Oil	93.2	---	41.5	mg/kg dry	1	---	73.9	---	---	23	30%	F-16
Surr: o-Terphenyl (Surr)		Recovery: 85 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0632-DUP2)				Prepared: 04/17/24 17:37 Analyzed: 04/18/24 00:37								
QC Source Sample: Non-SDG (A4D1346-02)												
Diesel	ND	---	18.7	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	37.4	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %		Dilution: 1x						Q-41

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.
256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**
Project Number: **24-04-14**
Project Manager: **Trevor Krueger****Report ID:**
A4D1314 - 04 30 24 1731

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0677 - EPA 5035A												
Soil												
Blank (24D0677-BLK1)												
Prepared: 04/18/24 08:42 Analyzed: 04/18/24 10:46												
5035A/8260D												
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	75.0	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 94 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		98 %		79-120 %		"						
LCS (24D0677-BS1)												
Prepared: 04/18/24 08:42 Analyzed: 04/18/24 09:51												
5035A/8260D												
Benzene	1040	---	10.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Toluene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Ethylbenzene	1120	---	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
Xylenes, total	3510	---	75.0	ug/kg wet	50	3000	---	117	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 93 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		95 %		79-120 %		"						
Duplicate (24D0677-DUP1)												
Prepared: 04/17/24 12:00 Analyzed: 04/18/24 11:41												
QC Source Sample: 240414-001 (A4D1314-01)												
5035A/8260D												
Benzene	ND	---	13.2	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	65.8	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	32.9	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	98.6	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 94 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		99 %		79-120 %		"						
Duplicate (24D0677-DUP2)												
Prepared: 04/15/24 13:00 Analyzed: 04/18/24 19:25												
QC Source Sample: Non-SDG (A4D1247-01)												
Benzene	ND	---	12.8	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1314 - 04 30 24 1731

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0677 - EPA 5035A						Soil						
Blank (24D0677-BLK1)						Prepared: 04/18/24 08:42 Analyzed: 04/18/24 10:46						
5035A/8260D												
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	75.0	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 94 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		98 %		79-120 %		"						
LCS (24D0677-BS1)						Prepared: 04/18/24 08:42 Analyzed: 04/18/24 09:51						
5035A/8260D												
Benzene	1040	---	10.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Toluene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Ethylbenzene	1120	---	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
Xylenes, total	3510	---	75.0	ug/kg wet	50	3000	---	117	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Naphthalene	970	---	100	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,2-Dibromoethane (EDB)	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,2-Dichloroethane (EDC)	1170	---	25.0	ug/kg wet	50	1000	---	117	80-120%	---	---	
Isopropylbenzene	1110	---	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
1,2,4-Trimethylbenzene	1180	---	50.0	ug/kg wet	50	1000	---	118	80-120%	---	---	
1,3,5-Trimethylbenzene	1180	---	50.0	ug/kg wet	50	1000	---	118	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 93 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		95 %		79-120 %		"						
Duplicate (24D0677-DUP1)						Prepared: 04/17/24 12:00 Analyzed: 04/18/24 11:41						
V-16												

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1314 - 04 30 24 1731****QUALITY CONTROL (QC) SAMPLE RESULTS****Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0677 - EPA 5035A						Soil						
Matrix Spike (24D0677-MS1)				Prepared: 04/17/24 12:30 Analyzed: 04/18/24 16:41								
QC Source Sample: Non-SDG (A4D1324-01)												
5035A/8260D												
Benzene	1150	---	11.0	ug/kg dry	50	1100	ND	105	77-121%	---	---	
Toluene	1200	---	55.0	ug/kg dry	50	1100	ND	109	77-121%	---	---	
Ethylbenzene	1270	---	27.5	ug/kg dry	50	1100	18.2	114	76-122%	---	---	
Xylenes, total	4080	---	82.5	ug/kg dry	50	3300	145	119	78-124%	---	---	
Methyl tert-butyl ether (MTBE)	1180	---	55.0	ug/kg dry	50	1100	ND	107	73-125%	---	---	
Naphthalene	1130	---	110	ug/kg dry	50	1100	62.2	97	62-129%	---	---	
1,2-Dibromoethane (EDB)	1170	---	55.0	ug/kg dry	50	1100	ND	107	78-122%	---	---	
1,2-Dichloroethane (EDC)	1300	---	27.5	ug/kg dry	50	1100	ND	118	73-128%	---	---	
Isopropylbenzene	1240	---	55.0	ug/kg dry	50	1100	ND	113	68-134%	---	---	
1,2,4-Trimethylbenzene	1570	---	55.0	ug/kg dry	50	1100	165	127	75-123%	---	---	Q-01
1,3,5-Trimethylbenzene	1430	---	55.0	ug/kg dry	50	1100	61.1	125	73-124%	---	---	Q-01
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 92 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		95 %		79-120 %		"						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1314 - 04 30 24 1731

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0878 - EPA 3546						Soil						
LCS (24D0878-BS2)				Prepared: 04/24/24 05:44		Analyzed: 04/24/24 14:03						
Indeno(1,2,3-cd)pyrene	481	---	2.67	ug/kg wet	1	533	---	90	45-133%	---	---	
Naphthalene	444	---	2.67	ug/kg wet	1	533	---	83	35-123%	---	---	
Phenanthrene	443	---	2.67	ug/kg wet	1	533	---	83	50-121%	---	---	
Pyrene	463	---	2.67	ug/kg wet	1	533	---	87	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 85 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		81 %		54-127 %		"						
Duplicate (24D0878-DUP2)						Prepared: 04/24/24 05:44 Analyzed: 04/24/24 14:54						
QC Source Sample: Non-SDG (A4C1761-01)												
Acenaphthene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Anthracene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Benz(a)anthracene	32.9	---	12.0	ug/kg dry	4	---	20.6	---	---	46	30%	Q-04
Benzo(a)pyrene	49.3	---	12.0	ug/kg dry	4	---	28.9	---	---	52	30%	Q-04
Benzo(b)fluoranthene	63.1	---	12.0	ug/kg dry	4	---	39.1	---	---	47	30%	Q-04
Benzo(k)fluoranthene	24.5	---	12.0	ug/kg dry	4	---	12.9	---	---	62	30%	M-05, Q-04
Benzo(g,h,i)perylene	44.0	---	12.0	ug/kg dry	4	---	26.3	---	---	50	30%	Q-04
Chrysene	44.5	---	12.0	ug/kg dry	4	---	26.9	---	---	49	30%	Q-04
Dibenz(a,h)anthracene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	Q-05
Fluoranthene	50.7	---	12.0	ug/kg dry	4	---	30.5	---	---	50	30%	Q-04
Fluorene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	44.4	---	12.0	ug/kg dry	4	---	26.7	---	---	50	30%	Q-04
Naphthalene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Phenanthrene	21.4	---	12.0	ug/kg dry	4	---	11.9	---	---	57	30%	Q-05
Pyrene	47.7	---	12.0	ug/kg dry	4	---	28.7	---	---	50	30%	Q-04
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 73 %		Limits: 44-120 %		Dilution: 4x						
p-Terphenyl-d14 (Surr)		66 %		54-127 %								

Matrix Spike (24D0878-MS2)

Prepared: 04/24/24 05:44 Analyzed: 04/24/24 15:19

QC Source Sample: Non-SDG (A4C1761-01)

EPA 8270E SIM

Acenaphthene	436	---	11.8	ug/kg dry	4	590	ND	74	40-123%	---	---	
Acenaphthylene	435	---	11.8	ug/kg dry	4	590	ND	74	32-132%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**
256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**
Project Number: **24-04-14**
Project Manager: **Trevor Krueger****Report ID:**
A4D1314 - 04 30 24 1731**QUALITY CONTROL (QC) SAMPLE RESULTS****Total Metals by EPA 6020B (ICPMS)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D1036 - EPA 3051A						Soil						
Blank (24D1036-BLK1)			Prepared: 04/26/24 13:55 Analyzed: 04/27/24 19:24									
EPA 6020B												
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
LCS (24D1036-BS1)			Prepared: 04/26/24 13:55 Analyzed: 04/27/24 19:30									
EPA 6020B												
Lead	48.8	---	0.200	mg/kg wet	10	50.0	---	98	80-120%	---	---	
Duplicate (24D1036-DUP1)			Prepared: 04/26/24 13:55 Analyzed: 04/27/24 19:42									
QC Source Sample: 240414-005 (A4D1314-05)												
EPA 6020B												
Lead	6.52	---	0.271	mg/kg dry	10	---	6.97	---	---	7	20%	
Matrix Spike (24D1036-MS1)			Prepared: 04/26/24 13:55 Analyzed: 04/27/24 19:55									
QC Source Sample: Non-SDG (A4D1335-01)												
EPA 6020B												
Lead	99.0	---	0.250	mg/kg dry	10	62.5	8.32	145	75-125%	---	---	Q-04

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1314 - 04 30 24 1731****SAMPLE PREPARATION INFORMATION****Diesel and/or Oil Hydrocarbons by NWTPH-Dx****Prep: EPA 3546 (Fuels)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0632							
A4D1314-01	Soil	NWTPH-Dx	04/15/24 09:02	04/17/24 12:04	11.33g/5mL	10g/5mL	0.88
A4D1314-02	Soil	NWTPH-Dx	04/15/24 09:05	04/17/24 12:04	11.19g/5mL	10g/5mL	0.89
A4D1314-03	Soil	NWTPH-Dx	04/15/24 09:28	04/17/24 12:04	11.07g/5mL	10g/5mL	0.90
A4D1314-04	Soil	NWTPH-Dx	04/15/24 09:34	04/17/24 12:04	11.13g/5mL	10g/5mL	0.90
A4D1314-05	Soil	NWTPH-Dx	04/15/24 11:27	04/17/24 12:04	11.24g/5mL	10g/5mL	0.89
A4D1314-06	Soil	NWTPH-Dx	04/15/24 11:30	04/17/24 12:04	11.82g/5mL	10g/5mL	0.85
A4D1314-07	Soil	NWTPH-Dx	04/15/24 13:51	04/17/24 12:04	11.49g/5mL	10g/5mL	0.87
A4D1314-08	Soil	NWTPH-Dx	04/15/24 13:54	04/17/24 12:04	11.1g/5mL	10g/5mL	0.90
A4D1314-09	Soil	NWTPH-Dx	04/15/24 14:08	04/17/24 12:04	11.11g/5mL	10g/5mL	0.90
A4D1314-10	Soil	NWTPH-Dx	04/15/24 14:12	04/17/24 12:04	11.57g/5mL	10g/5mL	0.86

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0677							
A4D1314-01	Soil	NWTPH-Gx (MS)	04/15/24 09:02	04/17/24 12:00	5.25g/5mL	5g/5mL	0.95
A4D1314-02	Soil	NWTPH-Gx (MS)	04/15/24 09:05	04/17/24 12:00	5.17g/5mL	5g/5mL	0.97
A4D1314-03	Soil	NWTPH-Gx (MS)	04/15/24 09:28	04/17/24 12:00	5.7g/5mL	5g/5mL	0.88
A4D1314-04	Soil	NWTPH-Gx (MS)	04/15/24 09:34	04/17/24 12:00	5.02g/5mL	5g/5mL	1.00
A4D1314-05	Soil	NWTPH-Gx (MS)	04/15/24 11:27	04/17/24 12:00	5.83g/5mL	5g/5mL	0.86
A4D1314-06	Soil	NWTPH-Gx (MS)	04/15/24 11:30	04/17/24 12:00	5.17g/5mL	5g/5mL	0.97
A4D1314-07	Soil	NWTPH-Gx (MS)	04/15/24 13:51	04/17/24 12:00	5.34g/5mL	5g/5mL	0.94
A4D1314-08	Soil	NWTPH-Gx (MS)	04/15/24 13:54	04/17/24 12:00	5.17g/5mL	5g/5mL	0.97
A4D1314-09	Soil	NWTPH-Gx (MS)	04/15/24 14:08	04/17/24 12:00	5.12g/5mL	5g/5mL	0.98
A4D1314-10	Soil	NWTPH-Gx (MS)	04/15/24 14:12	04/17/24 12:00	5.98g/5mL	5g/5mL	0.84

BTEX Compounds by EPA 8260D**Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0677							
A4D1314-01	Soil	5035A/8260D	04/15/24 09:02	04/17/24 12:00	5.25g/5mL	5g/5mL	0.95
A4D1314-04	Soil	5035A/8260D	04/15/24 09:34	04/17/24 12:00	5.02g/5mL	5g/5mL	1.00

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1314 - 04 30 24 1731

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- F-09** Results in the Gasoline Range are impacted by the overlap of a heavier fuel hydrocarbon product.
- F-11** The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
- F-13** The chromatographic pattern does not resemble the fuel standard used for quantitation.
- F-15** Results for diesel are estimated due to overlap from the reported oil result.
- F-16** Results for oil are estimated due to overlap from the reported diesel result.
- M-05** Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-41** Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- V-16** Sample aliquot was subsampled from the sample container in the laboratory. The subsampled aliquot was not preserved within 48 hours of sampling.

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1314 - 04 30 24 1731

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to $\frac{1}{2}$ the Reporting Limit (RL).

-For Blank hits falling between $\frac{1}{2}$ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.

-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

-Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road

Roseburg, OR 97470

Project: Oakland Bridge USTProject Number: 24-04-14Project Manager: Trevor Krueger

Report ID:

A4D1314 - 04 30 24 1731

CHAIN OF CUSTODY

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 PH: 503-718-2323

Lab # A4D1314 coc 1 of 1
Revised 4/16/2024

Company: First Strike Environmental Co. Project Mgr: Trevor Krueger
Address: 256 Quarry Road, Roseburg, OR 97470 Phone: (800) 447-3338
Email: Email@SEeco.com Project # 24-04-14

Sampled by: Spencer Becker
Site Location: OR WA CA
AK ID ---

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTR-HClD	NWTR-DX	NWTR-CX	8260 BTEX	8260 BTEX VOCs	8260 Halo VOCs	8260 VOCs PAH LHM	8270 SIM PAHs	8270 Semi-Volat PAH LHM	8082 PCBs	8081 PAK	RCBA Metals (3)	Priority Metals (13)	TCMP Metals (9)	TCMP	TCMP DISC	TCMP	Asbestos
240414-001		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-002		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-003		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-004		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-005		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-006		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-007		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-008		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-009		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240414-010		4-16	0825	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle) 1 Day 2 Day 3 Day 4 Day 5 Day Other: _____

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Spencer Becker Date: 4-16-24 Time: 1600
Printed Name: Spencer Becker Company: First Strike

RECEIVED BY: MM Date: 4/17/24 Time: 11:00
Printed Name: Maria Mariposa Company: Apex

RELINQUISHED BY: _____ Date: _____ Time: _____
Printed Name: _____ Company: _____

RECEIVED BY: _____ Date: _____ Time: _____
Printed Name: _____ Company: _____

Handwritten notes:
Hit H1s on 6x Run (500)
8260s BTEX (EOD) EOC! MTBE 6020
It H1s on 2x Run (500)
8260s BTEX (EOD) EOC!

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Friday, May 3, 2024

Trevor Krueger
First Strike Environmental Co.
256 Quarry Road
Roseburg, OR 97470

RE: A4D1356 - Oakland Bridge UST - 24-04-14

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A4D1356, which was received by the laboratory on 4/18/2024 at 10:00:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information	
<u>Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.</u>	
(See Cooler Receipt Form for details)	
Default Cooler	1.8 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1356 - 05 03 24 1519****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
240414-011	A4D1356-01	Soil	04/16/24 09:53	04/18/24 10:00
240414-012	A4D1356-02	Soil	04/16/24 09:59	04/18/24 10:00
240414-013	A4D1356-03	Soil	04/16/24 10:56	04/18/24 10:00
240414-014	A4D1356-04	Soil	04/16/24 11:22	04/18/24 10:00
240414-015	A4D1356-05	Soil	04/16/24 11:56	04/18/24 10:00
240414-016	A4D1356-06	Soil	04/16/24 12:02	04/18/24 10:00
240414-017	A4D1356-07	Soil	04/16/24 12:35	04/18/24 10:00
240414-018	A4D1356-08	Soil	04/16/24 12:56	04/18/24 10:00
240414-019	A4D1356-09	Soil	04/16/24 13:44	04/18/24 10:00
240414-020	A4D1356-10	Soil	04/16/24 13:49	04/18/24 10:00
240414-021	A4D1356-11	Soil	04/16/24 14:07	04/18/24 10:00
240414-022	A4D1356-12	Soil	04/16/24 14:14	04/18/24 10:00
240414-023	A4D1356-13	Soil	04/16/24 14:57	04/18/24 10:00
240414-024	A4D1356-14	Soil	04/16/24 15:07	04/18/24 10:00
240414-025	A4D1356-15	Soil	04/16/24 15:20	04/18/24 10:00
240414-026	A4D1356-16	Soil	04/16/24 15:27	04/18/24 10:00
240414-027	A4D1356-17	Soil	04/16/24 15:34	04/18/24 10:00
240414-028	A4D1356-18	Soil	04/16/24 15:45	04/18/24 10:00

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-011 (A4D1356-01)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	23.2	mg/kg dry	1	04/18/24 21:56	NWTPH-Dx	
Oil	ND	---	46.3	mg/kg dry	1	04/18/24 21:56	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 88 %		Limits: 50-150 %	1	04/18/24 21:56	NWTPH-Dx	
240414-012 (A4D1356-02)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.6	mg/kg dry	1	04/18/24 22:38	NWTPH-Dx	
Oil	ND	---	43.2	mg/kg dry	1	04/18/24 22:38	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 91 %		Limits: 50-150 %	1	04/18/24 22:38	NWTPH-Dx	
240414-013 (A4D1356-03)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.6	mg/kg dry	1	04/18/24 22:58	NWTPH-Dx	
Oil	ND	---	43.2	mg/kg dry	1	04/18/24 22:58	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 86 %		Limits: 50-150 %	1	04/18/24 22:58	NWTPH-Dx	
240414-014 (A4D1356-04)				Matrix: Soil		Batch: 24D0710		
Diesel	22.7	---	21.9	mg/kg dry	1	04/18/24 23:19	NWTPH-Dx	F-13
Oil	45.9	---	43.9	mg/kg dry	1	04/18/24 23:19	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 85 %		Limits: 50-150 %	1	04/18/24 23:19	NWTPH-Dx	
240414-015 (A4D1356-05)				Matrix: Soil		Batch: 24D0710		
Diesel	105	---	21.1	mg/kg dry	1	04/18/24 23:39	NWTPH-Dx	
Oil	ND	---	42.2	mg/kg dry	1	04/18/24 23:39	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 80 %		Limits: 50-150 %	1	04/18/24 23:39	NWTPH-Dx	
240414-016 (A4D1356-06)				Matrix: Soil		Batch: 24D0710		
Diesel	26.6	---	22.1	mg/kg dry	1	04/19/24 00:00	NWTPH-Dx	
Oil	ND	---	44.2	mg/kg dry	1	04/19/24 00:00	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 93 %		Limits: 50-150 %	1	04/19/24 00:00	NWTPH-Dx	
240414-017 (A4D1356-07)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.4	mg/kg dry	1	04/19/24 00:21	NWTPH-Dx	
Oil	ND	---	42.8	mg/kg dry	1	04/19/24 00:21	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 87 %		Limits: 50-150 %	1	04/19/24 00:21	NWTPH-Dx	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-018 (A4D1356-08)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	22.1	mg/kg dry	1	04/19/24 00:41	NWTPH-Dx	
Oil	ND	---	44.3	mg/kg dry	1	04/19/24 00:41	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 86 %		Limits: 50-150 %	1	04/19/24 00:41	NWTPH-Dx	
240414-019 (A4D1356-09)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.2	mg/kg dry	1	04/19/24 01:02	NWTPH-Dx	
Oil	ND	---	42.4	mg/kg dry	1	04/19/24 01:02	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 84 %		Limits: 50-150 %	1	04/19/24 01:02	NWTPH-Dx	
240414-020 (A4D1356-10)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.9	mg/kg dry	1	04/19/24 01:23	NWTPH-Dx	
Oil	ND	---	43.9	mg/kg dry	1	04/19/24 01:23	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 86 %		Limits: 50-150 %	1	04/19/24 01:23	NWTPH-Dx	
240414-021 (A4D1356-11)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	20.9	mg/kg dry	1	04/19/24 01:43	NWTPH-Dx	
Oil	ND	---	41.8	mg/kg dry	1	04/19/24 01:43	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 86 %		Limits: 50-150 %	1	04/19/24 01:43	NWTPH-Dx	
240414-022 (A4D1356-12)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.9	mg/kg dry	1	04/19/24 02:04	NWTPH-Dx	
Oil	ND	---	43.8	mg/kg dry	1	04/19/24 02:04	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 87 %		Limits: 50-150 %	1	04/19/24 02:04	NWTPH-Dx	
240414-023 (A4D1356-13)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	23.3	mg/kg dry	1	04/19/24 03:47	NWTPH-Dx	
Oil	ND	---	46.6	mg/kg dry	1	04/19/24 03:47	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 88 %		Limits: 50-150 %	1	04/19/24 03:47	NWTPH-Dx	
240414-024 (A4D1356-14)				Matrix: Soil		Batch: 24D0710		
Diesel	28.2	---	21.3	mg/kg dry	1	04/19/24 04:08	NWTPH-Dx	F-11
Oil	ND	---	42.7	mg/kg dry	1	04/19/24 04:08	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %	1	04/19/24 04:08	NWTPH-Dx	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-025 (A4D1356-15)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	20.7	mg/kg dry	1	04/19/24 04:28	NWTPH-Dx	
Oil	ND	---	41.5	mg/kg dry	1	04/19/24 04:28	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 85 %		Limits: 50-150 %	1	04/19/24 04:28	NWTPH-Dx	
240414-026 (A4D1356-16)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.5	mg/kg dry	1	04/19/24 04:49	NWTPH-Dx	
Oil	ND	---	43.0	mg/kg dry	1	04/19/24 04:49	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 91 %		Limits: 50-150 %	1	04/19/24 04:49	NWTPH-Dx	
240414-027 (A4D1356-17)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	21.4	mg/kg dry	1	04/19/24 05:09	NWTPH-Dx	
Oil	ND	---	42.8	mg/kg dry	1	04/19/24 05:09	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 89 %		Limits: 50-150 %	1	04/19/24 05:09	NWTPH-Dx	
240414-028 (A4D1356-18)				Matrix: Soil		Batch: 24D0710		
Diesel	ND	---	24.3	mg/kg dry	1	04/19/24 05:30	NWTPH-Dx	
Oil	ND	---	48.6	mg/kg dry	1	04/19/24 05:30	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 91 %		Limits: 50-150 %	1	04/19/24 05:30	NWTPH-Dx	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-011 (A4D1356-01)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	8.08	mg/kg dry	50	04/18/24 23:58	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	04/18/24 23:58	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/18/24 23:58	NWTPH-Gx (MS)		
240414-012 (A4D1356-02)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	7.30	mg/kg dry	50	04/19/24 00:52	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	04/19/24 00:52	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/19/24 00:52	NWTPH-Gx (MS)		
240414-013 (A4D1356-03)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	5.60	mg/kg dry	50	04/19/24 01:20	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	04/19/24 01:20	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		104 %	50-150 %	1	04/19/24 01:20	NWTPH-Gx (MS)		
240414-014 (A4D1356-04RE1)		Matrix: Soil		Batch: 24D0751				
Gasoline Range Organics	22.0	---	6.26	mg/kg dry	50	04/19/24 15:16	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 102 %	Limits: 50-150 %	1	04/19/24 15:16	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		106 %	50-150 %	1	04/19/24 15:16	NWTPH-Gx (MS)		
240414-015 (A4D1356-05)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	6.93	mg/kg dry	50	04/19/24 02:14	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	04/19/24 02:14	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/19/24 02:14	NWTPH-Gx (MS)		
240414-016 (A4D1356-06RE1)		Matrix: Soil		Batch: 24D0751				
Gasoline Range Organics	18.4	---	6.92	mg/kg dry	50	04/19/24 15:43	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 103 %	Limits: 50-150 %	1	04/19/24 15:43	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		106 %	50-150 %	1	04/19/24 15:43	NWTPH-Gx (MS)		
240414-017 (A4D1356-07)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	5.90	mg/kg dry	50	04/19/24 03:09	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 97 %	Limits: 50-150 %	1	04/19/24 03:09	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		104 %	50-150 %	1	04/19/24 03:09	NWTPH-Gx (MS)		
240414-018 (A4D1356-08)		Matrix: Soil		Batch: 24D0713				

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-018 (A4D1356-08)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	5.84	mg/kg dry	50	04/19/24 03:36	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	04/19/24 03:36	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		104 %	50-150 %	1	04/19/24 03:36	NWTPH-Gx (MS)		
240414-019 (A4D1356-09)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	6.27	mg/kg dry	50	04/19/24 04:03	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	04/19/24 04:03	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		106 %	50-150 %	1	04/19/24 04:03	NWTPH-Gx (MS)		
240414-020 (A4D1356-10)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	7.95	mg/kg dry	50	04/19/24 05:25	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 100 %	Limits: 50-150 %	1	04/19/24 05:25	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/19/24 05:25	NWTPH-Gx (MS)		
240414-021 (A4D1356-11)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	6.18	mg/kg dry	50	04/19/24 05:53	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 100 %	Limits: 50-150 %	1	04/19/24 05:53	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/19/24 05:53	NWTPH-Gx (MS)		
240414-022 (A4D1356-12)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	7.45	mg/kg dry	50	04/19/24 06:20	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	04/19/24 06:20	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/19/24 06:20	NWTPH-Gx (MS)		
240414-023 (A4D1356-13)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	6.58	mg/kg dry	50	04/19/24 06:47	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 100 %	Limits: 50-150 %	1	04/19/24 06:47	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		106 %	50-150 %	1	04/19/24 06:47	NWTPH-Gx (MS)		
240414-024 (A4D1356-14)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	6.93	mg/kg dry	50	04/19/24 07:14	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 96 %	Limits: 50-150 %	1	04/19/24 07:14	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	04/19/24 07:14	NWTPH-Gx (MS)		
240414-025 (A4D1356-15)		Matrix: Soil		Batch: 24D0713				

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-025 (A4D1356-15)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	52.0	---	6.07	mg/kg dry	50	04/19/24 07:42	NWTPH-Gx (MS)	B-02
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	110 %	Limits: 50-150 %	1	04/19/24 07:42	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			105 %	50-150 %	1	04/19/24 07:42	NWTPH-Gx (MS)	
240414-026 (A4D1356-16)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	5.84	mg/kg dry	50	04/19/24 08:36	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	98 %	Limits: 50-150 %	1	04/19/24 08:36	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			103 %	50-150 %	1	04/19/24 08:36	NWTPH-Gx (MS)	
240414-027 (A4D1356-17)		Matrix: Soil		Batch: 24D0713				
Gasoline Range Organics	ND	---	5.78	mg/kg dry	50	04/19/24 09:04	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	98 %	Limits: 50-150 %	1	04/19/24 09:04	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			103 %	50-150 %	1	04/19/24 09:04	NWTPH-Gx (MS)	
240414-028 (A4D1356-18RE1)		Matrix: Soil		Batch: 24D0751				
Gasoline Range Organics	17.7	---	8.09	mg/kg dry	50	04/19/24 16:11	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	103 %	Limits: 50-150 %	1	04/19/24 16:11	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			105 %	50-150 %	1	04/19/24 16:11	NWTPH-Gx (MS)	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-015 (A4D1356-05)		Matrix: Soil			Batch: 24D0713			
Benzene	ND	---	13.9	ug/kg dry	50	04/19/24 02:14	5035A/8260D	
Toluene	ND	---	69.3	ug/kg dry	50	04/19/24 02:14	5035A/8260D	
Ethylbenzene	ND	---	34.7	ug/kg dry	50	04/19/24 02:14	5035A/8260D	
Xylenes, total	ND	---	104	ug/kg dry	50	04/19/24 02:14	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>		<i>93 %</i>	<i>Limits: 80-120 %</i>	<i>1</i>	<i>04/19/24 02:14</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>				<i>98 %</i>	<i>80-120 %</i>	<i>1</i>	<i>04/19/24 02:14</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>				<i>100 %</i>	<i>79-120 %</i>	<i>1</i>	<i>04/19/24 02:14</i>	<i>5035A/8260D</i>
240414-024 (A4D1356-14)		Matrix: Soil			Batch: 24D0713			
Benzene	ND	---	13.9	ug/kg dry	50	04/19/24 07:14	5035A/8260D	
Toluene	ND	---	69.3	ug/kg dry	50	04/19/24 07:14	5035A/8260D	
Ethylbenzene	ND	---	34.6	ug/kg dry	50	04/19/24 07:14	5035A/8260D	
Xylenes, total	ND	---	104	ug/kg dry	50	04/19/24 07:14	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>		<i>91 %</i>	<i>Limits: 80-120 %</i>	<i>1</i>	<i>04/19/24 07:14</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>				<i>99 %</i>	<i>80-120 %</i>	<i>1</i>	<i>04/19/24 07:14</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>				<i>98 %</i>	<i>79-120 %</i>	<i>1</i>	<i>04/19/24 07:14</i>	<i>5035A/8260D</i>

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-014 (A4D1356-04)		Matrix: Soil			Batch: 24D0713			
Benzene	ND	---	12.5	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
Toluene	ND	---	62.6	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
Ethylbenzene	ND	---	31.3	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
Xylenes, total	ND	---	93.9	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	62.6	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
Naphthalene	ND	---	125	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	62.6	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	31.3	ug/kg dry	50	04/19/24 01:47	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	92 %	<i>Limits:</i>	80-120 %	1	04/19/24 01:47	5035A/8260D
<i>Toluene-d8 (Surr)</i>			99 %		80-120 %	1	04/19/24 01:47	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			96 %		79-120 %	1	04/19/24 01:47	5035A/8260D
240414-016 (A4D1356-06)		Matrix: Soil			Batch: 24D0713			
Benzene	ND	---	13.8	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
Toluene	ND	---	69.2	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
Ethylbenzene	ND	---	34.6	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
Xylenes, total	ND	---	104	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	69.2	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
Naphthalene	ND	---	138	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	69.2	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	34.6	ug/kg dry	50	04/19/24 02:41	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	91 %	<i>Limits:</i>	80-120 %	1	04/19/24 02:41	5035A/8260D
<i>Toluene-d8 (Surr)</i>			99 %		80-120 %	1	04/19/24 02:41	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			98 %		79-120 %	1	04/19/24 02:41	5035A/8260D
240414-025 (A4D1356-15)		Matrix: Soil			Batch: 24D0713			
Benzene	ND	---	12.1	ug/kg dry	50	04/19/24 07:42	5035A/8260D	
Toluene	ND	---	60.7	ug/kg dry	50	04/19/24 07:42	5035A/8260D	
Ethylbenzene	ND	---	30.4	ug/kg dry	50	04/19/24 07:42	5035A/8260D	
Xylenes, total	ND	---	91.1	ug/kg dry	50	04/19/24 07:42	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	60.7	ug/kg dry	50	04/19/24 07:42	5035A/8260D	
Naphthalene	ND	---	121	ug/kg dry	50	04/19/24 07:42	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	60.7	ug/kg dry	50	04/19/24 07:42	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	30.4	ug/kg dry	50	04/19/24 07:42	5035A/8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-025 (A4D1356-15)		Matrix: Soil			Batch: 24D0713			
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	90 %	Limits: 80-120 %	1	04/19/24 07:42	5035A/8260D	
Toluene-d8 (Surr)			95 %	80-120 %	1	04/19/24 07:42	5035A/8260D	
4-Bromofluorobenzene (Surr)			99 %	79-120 %	1	04/19/24 07:42	5035A/8260D	
240414-028 (A4D1356-18)		Matrix: Soil			Batch: 24D0713			
Benzene	ND	---	16.2	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
Toluene	111	---	80.9	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
Ethylbenzene	ND	---	40.5	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
Xylenes, total	185	---	121	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	80.9	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
Naphthalene	ND	---	162	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	80.9	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	40.5	ug/kg dry	50	04/19/24 09:31	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	91 %	Limits: 80-120 %	1	04/19/24 09:31	5035A/8260D	
Toluene-d8 (Surr)			99 %	80-120 %	1	04/19/24 09:31	5035A/8260D	
4-Bromofluorobenzene (Surr)			98 %	79-120 %	1	04/19/24 09:31	5035A/8260D	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-014 (A4D1356-04)		Matrix: Soil			Batch: 24D1001			
Acenaphthene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Acenaphthylene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Anthracene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Benz(a)anthracene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Chrysene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Fluoranthene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Fluorene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Naphthalene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Phenanthrene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Pyrene	ND	---	10.6	ug/kg dry	1	04/26/24 19:40	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery: 86 %		Limits: 44-120 %	1	04/26/24 19:40	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)		82 %		54-127 %	1	04/26/24 19:40	EPA 8270E SIM	
240414-015 (A4D1356-05)		Matrix: Soil			Batch: 24D0878			
Acenaphthene	ND	---	15.7	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	R-02
Acenaphthylene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Anthracene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Benz(a)anthracene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Chrysene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Fluoranthene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Fluorene	24.9	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-015 (A4D1356-05)				Matrix: Soil		Batch: 24D0878		
Naphthalene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Phenanthrene	20.0	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Pyrene	ND	---	10.5	ug/kg dry	1	04/24/24 17:52	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery: 73 %		Limits: 44-120 %	1	04/24/24 17:52	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)		78 %		54-127 %	1	04/24/24 17:52	EPA 8270E SIM	
240414-016 (A4D1356-06)				Matrix: Soil		Batch: 24D1001		
Acenaphthene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Acenaphthylene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Anthracene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Benz(a)anthracene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Chrysene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Fluoranthene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Fluorene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Naphthalene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Phenanthrene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Pyrene	ND	---	10.9	ug/kg dry	1	04/26/24 20:05	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery: 83 %		Limits: 44-120 %	1	04/26/24 20:05	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)		76 %		54-127 %	1	04/26/24 20:05	EPA 8270E SIM	
240414-024 (A4D1356-14)				Matrix: Soil		Batch: 24D1001		
Acenaphthene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Acenaphthylene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Anthracene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Benz(a)anthracene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-024 (A4D1356-14)		Matrix: Soil			Batch: 24D1001			
Benzo(g,h,i)perylene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Chrysene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Fluoranthene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Fluorene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Naphthalene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Phenanthrene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Pyrene	ND	---	10.6	ug/kg dry	1	04/26/24 20:31	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery: 84 %		Limits: 44-120 %	1	04/26/24 20:31	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)		81 %		54-127 %	1	04/26/24 20:31	EPA 8270E SIM	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-014 (A4D1356-04) Matrix: Soil								
Batch: 24D1040								
Lead	5.78	---	0.254	mg/kg dry	10	04/30/24 01:57	EPA 6020B	
240414-016 (A4D1356-06) Matrix: Soil								
Batch: 24D1040								
Lead	6.58	---	0.251	mg/kg dry	10	04/30/24 02:09	EPA 6020B	
240414-025 (A4D1356-15) Matrix: Soil								
Batch: 24D0901								
Lead	4.95	---	0.256	mg/kg dry	10	04/24/24 17:06	EPA 6020B	
240414-028 (A4D1356-18) Matrix: Soil								
Batch: 24D1040								
Lead	6.18	---	0.290	mg/kg dry	10	04/30/24 02:21	EPA 6020B	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-011 (A4D1356-01)				Matrix: Soil		Batch: 24D0693		
% Solids	78.4	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-012 (A4D1356-02)				Matrix: Soil		Batch: 24D0693		
% Solids	82.1	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-013 (A4D1356-03)				Matrix: Soil		Batch: 24D0693		
% Solids	82.1	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-014 (A4D1356-04)				Matrix: Soil		Batch: 24D0693		
% Solids	80.6	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-015 (A4D1356-05)				Matrix: Soil		Batch: 24D0693		
% Solids	81.1	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-016 (A4D1356-06)				Matrix: Soil		Batch: 24D0693		
% Solids	81.4	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-017 (A4D1356-07)				Matrix: Soil		Batch: 24D0693		
% Solids	82.0	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-018 (A4D1356-08)				Matrix: Soil		Batch: 24D0693		
% Solids	80.8	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-019 (A4D1356-09)				Matrix: Soil		Batch: 24D0693		
% Solids	80.8	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-020 (A4D1356-10)				Matrix: Soil		Batch: 24D0693		
% Solids	82.2	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-021 (A4D1356-11)				Matrix: Soil		Batch: 24D0693		
% Solids	81.8	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-022 (A4D1356-12)				Matrix: Soil		Batch: 24D0693		
% Solids	81.7	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-023 (A4D1356-13)				Matrix: Soil		Batch: 24D0693		

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-023 (A4D1356-13)				Matrix: Soil		Batch: 24D0693		
% Solids	75.2	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-024 (A4D1356-14)				Matrix: Soil		Batch: 24D0693		
% Solids	80.4	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-025 (A4D1356-15)				Matrix: Soil		Batch: 24D0693		
% Solids	82.2	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-026 (A4D1356-16)				Matrix: Soil		Batch: 24D0693		
% Solids	82.0	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-027 (A4D1356-17)				Matrix: Soil		Batch: 24D0693		
% Solids	82.0	---	1.00	%	1	04/19/24 07:14	EPA 8000D	
240414-028 (A4D1356-18)				Matrix: Soil		Batch: 24D0693		
% Solids	69.6	---	1.00	%	1	04/19/24 07:14	EPA 8000D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0710 - EPA 3546 (Fuels)						Soil						
Blank (24D0710-BLK1)			Prepared: 04/18/24 12:12 Analyzed: 04/18/24 21:15									
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 96 %		Limits: 50-150 %		Dilution: 1x						
LCS (24D0710-BS1)			Prepared: 04/18/24 12:12 Analyzed: 04/18/24 21:36									
NWTPH-Dx												
Diesel	110	---	20.0	mg/kg wet	1	125	---	88	38-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 96 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0710-DUP1)			Prepared: 04/18/24 12:12 Analyzed: 04/18/24 22:17									
QC Source Sample: 240414-011 (A4D1356-01)												
NWTPH-Dx												
Diesel	ND	---	22.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	43.9	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 84 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0710-DUP2)			Prepared: 04/18/24 12:12 Analyzed: 04/19/24 05:51									
QC Source Sample: 240414-028 (A4D1356-18)												
NWTPH-Dx												
Diesel	ND	---	25.2	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	50.4	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 85 %		Limits: 50-150 %		Dilution: 1x						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0713 - EPA 5035A						Soil						
Blank (24D0713-BLK1)			Prepared: 04/18/24 13:12 Analyzed: 04/18/24 23:30									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	B-02
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 96 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		103 %		50-150 %		"						
LCS (24D0713-BS2)			Prepared: 04/18/24 13:12 Analyzed: 04/18/24 23:03									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	24.4	---	5.00	mg/kg wet	50	25.0	---	97	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 97 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		102 %		50-150 %		"						
Duplicate (24D0713-DUP1)			Prepared: 04/16/24 09:53 Analyzed: 04/19/24 00:25									
<u>QC Source Sample: 240414-011 (A4D1356-01)</u>												
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	---	8.08	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 99 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		104 %		50-150 %		"						
Duplicate (24D0713-DUP2)			Prepared: 04/16/24 15:20 Analyzed: 04/19/24 08:09									
<u>QC Source Sample: 240414-025 (A4D1356-15)</u>												
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	50.9	---	6.07	mg/kg dry	50	---	52.0	---	---	2	30%	B-02
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 105 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		104 %		50-150 %		"						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0751 - EPA 5035A						Soil						
Blank (24D0751-BLK1)			Prepared: 04/19/24 11:30 Analyzed: 04/19/24 14:49									
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 95 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		105 %		50-150 %		"						
LCS (24D0751-BS2)			Prepared: 04/19/24 11:30 Analyzed: 04/19/24 13:27									
NWTPH-Gx (MS)												
Gasoline Range Organics	25.9	---	5.00	mg/kg wet	50	25.0	---	103	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 96 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		104 %		50-150 %		"						
Duplicate (24D0751-DUP1)			Prepared: 04/17/24 10:00 Analyzed: 04/19/24 17:05									
QC Source Sample: Non-SDG (A4D1347-01)												
Gasoline Range Organics	21.9	---	6.04	mg/kg dry	50	---	22.3	---	---	2	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 102 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		103 %		50-150 %		"						
Duplicate (24D0751-DUP2)			Prepared: 04/09/24 15:00 Analyzed: 04/19/24 18:00									
QC Source Sample: Non-SDG (A4D1074-05)												
Gasoline Range Organics	1840	---	81.7	mg/kg dry	500	---	1820	---	---	0.7	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 100 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		102 %		50-150 %		"						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0713 - EPA 5035A						Soil						
Blank (24D0713-BLK1)			Prepared: 04/18/24 13:12 Analyzed: 04/18/24 23:30									
<u>5035A/8260D</u>												
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	75.0	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 95 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		99 %		79-120 %		"						
LCS (24D0713-BS1)			Prepared: 04/18/24 13:12 Analyzed: 04/18/24 22:36									A-01
<u>5035A/8260D</u>												
Benzene	1020	---	10.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Toluene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Ethylbenzene	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Xylenes, total	3270	---	75.0	ug/kg wet	50	3000	---	109	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 97 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		96 %		79-120 %		"						
Duplicate (24D0713-DUP1)			Prepared: 04/16/24 09:53 Analyzed: 04/19/24 00:25									
<u>QC Source Sample: 240414-011 (A4D1356-01)</u>												
<u>5035A/8260D</u>												
Benzene	ND	---	16.2	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	80.8	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	40.4	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	121	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 93 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		98 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		100 %		79-120 %		"						

Duplicate (24D0713-DUP2) Prepared: 04/16/24 15:20 Analyzed: 04/19/24 08:09

QC Source Sample: 240414-025 (A4D1356-15)5035A/8260D

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0713 - EPA 5035A						Soil						
Duplicate (24D0713-DUP2)			Prepared: 04/16/24 15:20 Analyzed: 04/19/24 08:09									
<u>QC Source Sample: 240414-025 (A4D1356-15)</u>												
Benzene	ND	---	12.1	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	60.7	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	30.4	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	91.1	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery:		92 %	Limits: 80-120 %		Dilution: 1x					
Toluene-d8 (Surr)				96 %	80-120 %		"					
4-Bromofluorobenzene (Surr)				99 %	79-120 %		"					

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 24D0713 - EPA 5035A						Soil							
Blank (24D0713-BLK1)			Prepared: 04/18/24 13:12 Analyzed: 04/18/24 23:30										
<u>5035A/8260D</u>													
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---		
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---		
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---		
Xylenes, total	ND	---	75.0	ug/kg wet	50	---	---	---	---	---	---		
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---		
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---		
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---		
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 95 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		100 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		99 %		79-120 %		"							
LCS (24D0713-BS1)			Prepared: 04/18/24 13:12 Analyzed: 04/18/24 22:36										A-01
<u>5035A/8260D</u>													
Benzene	1020	---	10.0	ug/kg wet	50	1000	---	102	80-120%	---	---		
Toluene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---		
Ethylbenzene	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---		
Xylenes, total	3270	---	75.0	ug/kg wet	50	3000	---	109	80-120%	---	---		
Methyl tert-butyl ether (MTBE)	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---		
Naphthalene	956	---	100	ug/kg wet	50	1000	---	96	80-120%	---	---		
1,2-Dibromoethane (EDB)	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---		
1,2-Dichloroethane (EDC)	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 97 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		101 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		96 %		79-120 %		"							
Duplicate (24D0713-DUP1)			Prepared: 04/16/24 09:53 Analyzed: 04/19/24 00:25										
<u>QC Source Sample: 240414-011 (A4D1356-01)</u>													
<u>5035A/8260D</u>													
Benzene	ND	---	16.2	ug/kg dry	50	---	ND	---	---	---	30%		
Toluene	ND	---	80.8	ug/kg dry	50	---	ND	---	---	---	30%		
Ethylbenzene	ND	---	40.4	ug/kg dry	50	---	ND	---	---	---	30%		
Xylenes, total	ND	---	121	ug/kg dry	50	---	ND	---	---	---	30%		

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0713 - EPA 5035A						Soil						
Duplicate (24D0713-DUP1)			Prepared: 04/16/24 09:53 Analyzed: 04/19/24 00:25									
QC Source Sample: 240414-011 (A4D1356-01)												
Methyl tert-butyl ether (MTBE)	ND	---	80.8	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	162	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	80.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	40.4	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 93 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		98 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		100 %		79-120 %		"						
Duplicate (24D0713-DUP2)			Prepared: 04/16/24 15:20 Analyzed: 04/19/24 08:09									
QC Source Sample: 240414-025 (A4D1356-15)												
5035A/8260D												
Benzene	ND	---	12.1	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	60.7	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	30.4	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	91.1	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	60.7	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	121	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	60.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	30.4	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 92 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		96 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		99 %		79-120 %		"						

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0878 - EPA 3546						Soil						
Blank (24D0878-BLK2)			Prepared: 04/24/24 05:44		Analyzed: 04/24/24 13:37							
EPA 8270E SIM												
Acenaphthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 81 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		82 %		54-127 %		"						

LCS (24D0878-BS2)

Prepared: 04/24/24 05:44 Analyzed: 04/24/24 14:03

EPA 8270E SIM

Acenaphthene	430	---	2.67	ug/kg wet	1	533	---	81	40-123%	---	---
Acenaphthylene	436	---	2.67	ug/kg wet	1	533	---	82	32-132%	---	---
Anthracene	446	---	2.67	ug/kg wet	1	533	---	84	47-123%	---	---
Benz(a)anthracene	433	---	2.67	ug/kg wet	1	533	---	81	49-126%	---	---
Benzo(a)pyrene	471	---	2.67	ug/kg wet	1	533	---	88	45-129%	---	---
Benzo(b)fluoranthene	442	---	2.67	ug/kg wet	1	533	---	83	45-132%	---	---
Benzo(k)fluoranthene	458	---	2.67	ug/kg wet	1	533	---	86	47-132%	---	---
Benzo(g,h,i)perylene	465	---	2.67	ug/kg wet	1	533	---	87	43-134%	---	---
Chrysene	469	---	2.67	ug/kg wet	1	533	---	88	50-124%	---	---
Dibenz(a,h)anthracene	496	---	2.67	ug/kg wet	1	533	---	93	45-134%	---	---
Fluoranthene	463	---	2.67	ug/kg wet	1	533	---	87	50-127%	---	---
Fluorene	435	---	2.67	ug/kg wet	1	533	---	82	43-125%	---	---

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0878 - EPA 3546						Soil						
LCS (24D0878-BS2)			Prepared: 04/24/24 05:44		Analyzed: 04/24/24 14:03							
Indeno(1,2,3-cd)pyrene	481	---	2.67	ug/kg wet	1	533	---	90	45-133%	---	---	
Naphthalene	444	---	2.67	ug/kg wet	1	533	---	83	35-123%	---	---	
Phenanthrene	443	---	2.67	ug/kg wet	1	533	---	83	50-121%	---	---	
Pyrene	463	---	2.67	ug/kg wet	1	533	---	87	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 85 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		81 %		54-127 %		"						
Duplicate (24D0878-DUP2)						Prepared: 04/24/24 05:44		Analyzed: 04/24/24 14:54				
QC Source Sample: Non-SDG (A4C1761-01)												
Acenaphthene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Anthracene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Benz(a)anthracene	32.9	---	12.0	ug/kg dry	4	---	20.6	---	---	46	30%	Q-04
Benzo(a)pyrene	49.3	---	12.0	ug/kg dry	4	---	28.9	---	---	52	30%	Q-04
Benzo(b)fluoranthene	63.1	---	12.0	ug/kg dry	4	---	39.1	---	---	47	30%	Q-04
Benzo(k)fluoranthene	24.5	---	12.0	ug/kg dry	4	---	12.9	---	---	62	30%	M-05, Q-04
Benzo(g,h,i)perylene	44.0	---	12.0	ug/kg dry	4	---	26.3	---	---	50	30%	Q-04
Chrysene	44.5	---	12.0	ug/kg dry	4	---	26.9	---	---	49	30%	Q-04
Dibenz(a,h)anthracene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	Q-05
Fluoranthene	50.7	---	12.0	ug/kg dry	4	---	30.5	---	---	50	30%	Q-04
Fluorene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	44.4	---	12.0	ug/kg dry	4	---	26.7	---	---	50	30%	Q-04
Naphthalene	ND	---	12.0	ug/kg dry	4	---	ND	---	---	---	30%	
Phenanthrene	21.4	---	12.0	ug/kg dry	4	---	11.9	---	---	57	30%	Q-05
Pyrene	47.7	---	12.0	ug/kg dry	4	---	28.7	---	---	50	30%	Q-04
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 73 %		Limits: 44-120 %		Dilution: 4x						
p-Terphenyl-d14 (Surr)		66 %		54-127 %		"						

Matrix Spike (24D0878-MS2)

Prepared: 04/24/24 05:44 Analyzed: 04/24/24 15:19

QC Source Sample: Non-SDG (A4C1761-01)

EPA 8270E SIM

Acenaphthene	436	---	11.8	ug/kg dry	4	590	ND	74	40-123%	---	---	
Acenaphthylene	435	---	11.8	ug/kg dry	4	590	ND	74	32-132%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvin, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0878 - EPA 3546						Soil						
Matrix Spike (24D0878-MS2)			Prepared: 04/24/24 05:44		Analyzed: 04/24/24 15:19							
QC Source Sample: Non-SDG (A4C1761-01)												
Anthracene	430	---	11.8	ug/kg dry	4	590	ND	73	47-123%	---	---	
Benz(a)anthracene	456	---	11.8	ug/kg dry	4	590	20.6	74	49-126%	---	---	
Benzo(a)pyrene	489	---	11.8	ug/kg dry	4	590	28.9	78	45-129%	---	---	
Benzo(b)fluoranthene	473	---	11.8	ug/kg dry	4	590	39.1	74	45-132%	---	---	
Benzo(k)fluoranthene	456	---	11.8	ug/kg dry	4	590	12.9	75	47-132%	---	---	
Benzo(g,h,i)perylene	482	---	11.8	ug/kg dry	4	590	26.3	77	43-134%	---	---	
Chrysene	495	---	11.8	ug/kg dry	4	590	26.9	79	50-124%	---	---	
Dibenz(a,h)anthracene	478	---	11.8	ug/kg dry	4	590	ND	81	45-134%	---	---	
Fluoranthene	485	---	11.8	ug/kg dry	4	590	30.5	77	50-127%	---	---	
Fluorene	439	---	11.8	ug/kg dry	4	590	ND	74	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	500	---	11.8	ug/kg dry	4	590	26.7	80	45-133%	---	---	
Naphthalene	453	---	11.8	ug/kg dry	4	590	ND	77	35-123%	---	---	
Phenanthrene	448	---	11.8	ug/kg dry	4	590	11.9	74	50-121%	---	---	
Pyrene	486	---	11.8	ug/kg dry	4	590	28.7	78	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 72 %		Limits: 44-120 %		Dilution: 4x						
p-Terphenyl-d14 (Surr)		72 %		54-127 %		"						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D1001 - EPA 3546						Soil						
Blank (24D1001-BLK1)			Prepared: 04/26/24 04:27 Analyzed: 04/26/24 12:00									
EPA 8270E SIM												
Acenaphthene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 94 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		92 %		54-127 %		"						

LCS (24D1001-BS1)

Prepared: 04/26/24 04:27 Analyzed: 04/26/24 12:25

EPA 8270E SIM

Acenaphthene	749	---	10.0	ug/kg wet	1	800	---	94	40-123%	---	---
Acenaphthylene	740	---	10.0	ug/kg wet	1	800	---	92	32-132%	---	---
Anthracene	753	---	10.0	ug/kg wet	1	800	---	94	47-123%	---	---
Benz(a)anthracene	734	---	10.0	ug/kg wet	1	800	---	92	49-126%	---	---
Benzo(a)pyrene	769	---	10.0	ug/kg wet	1	800	---	96	45-129%	---	---
Benzo(b)fluoranthene	723	---	10.0	ug/kg wet	1	800	---	90	45-132%	---	---
Benzo(k)fluoranthene	767	---	10.0	ug/kg wet	1	800	---	96	47-132%	---	---
Benzo(g,h,i)perylene	766	---	10.0	ug/kg wet	1	800	---	96	43-134%	---	---
Chrysene	782	---	10.0	ug/kg wet	1	800	---	98	50-124%	---	---
Dibenz(a,h)anthracene	823	---	10.0	ug/kg wet	1	800	---	103	45-134%	---	---
Fluoranthene	773	---	10.0	ug/kg wet	1	800	---	97	50-127%	---	---
Fluorene	736	---	10.0	ug/kg wet	1	800	---	92	43-125%	---	---

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D1001 - EPA 3546						Soil						
LCS (24D1001-BS1)						Prepared: 04/26/24 04:27 Analyzed: 04/26/24 12:25						
Indeno(1,2,3-cd)pyrene	793	---	10.0	ug/kg wet	1	800	---	99	45-133%	---	---	
Naphthalene	750	---	10.0	ug/kg wet	1	800	---	94	35-123%	---	---	
Phenanthrene	745	---	10.0	ug/kg wet	1	800	---	93	50-121%	---	---	
Pyrene	785	---	10.0	ug/kg wet	1	800	---	98	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 96 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		92 %		54-127 %		"						

Duplicate (24D1001-DUP1)

Prepared: 04/26/24 04:27 Analyzed: 04/26/24 13:17

QC Source Sample: Non-SDG (A4D1355-01)												
Acenaphthene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Chrysene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Fluorene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Phenanthrene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Pyrene	ND	---	13.1	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 93 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		89 %		54-127 %		"						

Matrix Spike (24D1001-MS1)

Prepared: 04/26/24 04:27 Analyzed: 04/26/24 14:08

QC Source Sample: Non-SDG (A4D1355-14)												
EPA 8270E SIM												
Acenaphthene	904	---	13.1	ug/kg dry	1	1050	ND	86	40-123%	---	---	
Acenaphthylene	900	---	13.1	ug/kg dry	1	1050	ND	86	32-132%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvi, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D1001 - EPA 3546						Soil						
Matrix Spike (24D1001-MS1)			Prepared: 04/26/24 04:27 Analyzed: 04/26/24 14:08									
QC Source Sample: Non-SDG (A4D1355-14)												
Anthracene	911	---	13.1	ug/kg dry	1	1050	ND	87	47-123%	---	---	
Benz(a)anthracene	901	---	13.1	ug/kg dry	1	1050	ND	86	49-126%	---	---	
Benzo(a)pyrene	950	---	13.1	ug/kg dry	1	1050	ND	91	45-129%	---	---	
Benzo(b)fluoranthene	903	---	13.1	ug/kg dry	1	1050	ND	86	45-132%	---	---	
Benzo(k)fluoranthene	925	---	13.1	ug/kg dry	1	1050	ND	88	47-132%	---	---	
Benzo(g,h,i)perylene	918	---	13.1	ug/kg dry	1	1050	ND	87	43-134%	---	---	
Chrysene	983	---	13.1	ug/kg dry	1	1050	ND	94	50-124%	---	---	
Dibenz(a,h)anthracene	992	---	13.1	ug/kg dry	1	1050	ND	95	45-134%	---	---	
Fluoranthene	985	---	13.1	ug/kg dry	1	1050	ND	94	50-127%	---	---	
Fluorene	890	---	13.1	ug/kg dry	1	1050	ND	85	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	960	---	13.1	ug/kg dry	1	1050	ND	92	45-133%	---	---	
Naphthalene	918	---	13.1	ug/kg dry	1	1050	ND	87	35-123%	---	---	
Phenanthrene	935	---	13.1	ug/kg dry	1	1050	ND	89	50-121%	---	---	
Pyrene	1020	---	13.1	ug/kg dry	1	1050	6.89	96	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 92 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		86 %		54-127 %		"						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0901 - EPA 3051A						Soil						
Blank (24D0901-BLK1)			Prepared: 04/24/24 10:24		Analyzed: 04/24/24 16:21							
EPA 6020B												
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
LCS (24D0901-BS1)			Prepared: 04/24/24 10:24		Analyzed: 04/24/24 16:28							
EPA 6020B												
Lead	48.9	---	0.200	mg/kg wet	10	50.0	---	98	80-120%	---	---	
Duplicate (24D0901-DUP1)			Prepared: 04/24/24 10:24		Analyzed: 04/24/24 16:53							
QC Source Sample: Non-SDG (A4C1611-51)												
Lead	32.6	---	0.227	mg/kg dry	10	---	22.9	---	---	35	20%	Q-04
Matrix Spike (24D0901-MS1)			Prepared: 04/24/24 10:24		Analyzed: 04/24/24 17:00							
QC Source Sample: Non-SDG (A4C1611-51)												
EPA 6020B												
Lead	80.0	---	0.223	mg/kg dry	10	55.8	22.9	102	75-125%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**
256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**
Project Number: **24-04-14**
Project Manager: **Trevor Krueger****Report ID:**
A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D1040 - EPA 3051A						Soil						
Blank (24D1040-BLK1)			Prepared: 04/29/24 10:04 Analyzed: 04/30/24 01:45									
EPA 6020B												
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
LCS (24D1040-BS1)			Prepared: 04/29/24 10:04 Analyzed: 04/30/24 01:51									
EPA 6020B												
Lead	51.0	---	0.200	mg/kg wet	10	50.0	---	102	80-120%	---	---	
Duplicate (24D1040-DUP1)			Prepared: 04/29/24 10:04 Analyzed: 04/30/24 02:03									
QC Source Sample: 240414-014 (A4D1356-04)												
EPA 6020B												
Lead	5.99	---	0.243	mg/kg dry	10	---	5.78	---	---	4	20%	
Matrix Spike (24D1040-MS1)			Prepared: 04/29/24 10:04 Analyzed: 04/30/24 02:15									
QC Source Sample: 240414-016 (A4D1356-06)												
EPA 6020B												
Lead	64.3	---	0.246	mg/kg dry	10	61.6	6.58	94	75-125%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0693 - Total Solids (Dry Weight) - 2022							Soil					
Duplicate (24D0693-DUP1)			Prepared: 04/18/24 09:45 Analyzed: 04/19/24 07:14									
<u>QC Source Sample: Non-SDG (A4D1318-01)</u>												
% Solids	76.5	---	1.00	%	1	---	76.5	---	---	0.006	10%	
Duplicate (24D0693-DUP2)			Prepared: 04/18/24 09:45 Analyzed: 04/19/24 07:14									
<u>QC Source Sample: Non-SDG (A4D1318-02)</u>												
% Solids	74.1	---	1.00	%	1	---	73.6	---	---	0.7	10%	
Duplicate (24D0693-DUP3)			Prepared: 04/18/24 16:46 Analyzed: 04/19/24 07:14									
<u>QC Source Sample: 240414-011 (A4D1356-01)</u>												
<u>EPA 8000D</u>												
% Solids	78.8	---	1.00	%	1	---	78.4	---	---	0.5	10%	
Duplicate (24D0693-DUP4)			Prepared: 04/18/24 16:46 Analyzed: 04/19/24 07:14									
<u>QC Source Sample: 240414-028 (A4D1356-18)</u>												
<u>EPA 8000D</u>												
% Solids	71.0	---	1.00	%	1	---	69.6	---	---	2	10%	
Duplicate (24D0693-DUP5)			Prepared: 04/18/24 18:59 Analyzed: 04/19/24 07:14									
<u>QC Source Sample: Non-SDG (A4D1388-01)</u>												
% Solids	75.5	---	1.00	%	1	---	75.6	---	---	0.09	10%	
Duplicate (24D0693-DUP6)			Prepared: 04/18/24 18:59 Analyzed: 04/19/24 07:14									
<u>QC Source Sample: Non-SDG (A4D1393-02)</u>												
% Solids	77.0	---	1.00	%	1	---	77.2	---	---	0.3	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1356 - 05 03 24 1519**

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0710							
A4D1356-01	Soil	NWTPH-Dx	04/16/24 09:53	04/18/24 12:12	11.01g/5mL	10g/5mL	0.91
A4D1356-02	Soil	NWTPH-Dx	04/16/24 09:59	04/18/24 12:12	11.28g/5mL	10g/5mL	0.89
A4D1356-03	Soil	NWTPH-Dx	04/16/24 10:56	04/18/24 12:12	11.29g/5mL	10g/5mL	0.89
A4D1356-04	Soil	NWTPH-Dx	04/16/24 11:22	04/18/24 12:12	11.31g/5mL	10g/5mL	0.88
A4D1356-05	Soil	NWTPH-Dx	04/16/24 11:56	04/18/24 12:12	11.67g/5mL	10g/5mL	0.86
A4D1356-06	Soil	NWTPH-Dx	04/16/24 12:02	04/18/24 12:12	11.12g/5mL	10g/5mL	0.90
A4D1356-07	Soil	NWTPH-Dx	04/16/24 12:35	04/18/24 12:12	11.4g/5mL	10g/5mL	0.88
A4D1356-08	Soil	NWTPH-Dx	04/16/24 12:56	04/18/24 12:12	11.18g/5mL	10g/5mL	0.89
A4D1356-09	Soil	NWTPH-Dx	04/16/24 13:44	04/18/24 12:12	11.66g/5mL	10g/5mL	0.86
A4D1356-10	Soil	NWTPH-Dx	04/16/24 13:49	04/18/24 12:12	11.1g/5mL	10g/5mL	0.90
A4D1356-11	Soil	NWTPH-Dx	04/16/24 14:07	04/18/24 12:12	11.68g/5mL	10g/5mL	0.86
A4D1356-12	Soil	NWTPH-Dx	04/16/24 14:14	04/18/24 12:12	11.18g/5mL	10g/5mL	0.89
A4D1356-13	Soil	NWTPH-Dx	04/16/24 14:57	04/18/24 12:12	11.41g/5mL	10g/5mL	0.88
A4D1356-14	Soil	NWTPH-Dx	04/16/24 15:07	04/18/24 12:12	11.65g/5mL	10g/5mL	0.86
A4D1356-15	Soil	NWTPH-Dx	04/16/24 15:20	04/18/24 12:12	11.74g/5mL	10g/5mL	0.85
A4D1356-16	Soil	NWTPH-Dx	04/16/24 15:27	04/18/24 12:12	11.34g/5mL	10g/5mL	0.88
A4D1356-17	Soil	NWTPH-Dx	04/16/24 15:34	04/18/24 12:12	11.38g/5mL	10g/5mL	0.88
A4D1356-18	Soil	NWTPH-Dx	04/16/24 15:45	04/18/24 12:12	11.81g/5mL	10g/5mL	0.85

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0713							
A4D1356-01	Soil	NWTPH-Gx (MS)	04/16/24 09:53	04/16/24 09:53	4.76g/5mL	5g/5mL	1.05
A4D1356-02	Soil	NWTPH-Gx (MS)	04/16/24 09:59	04/16/24 09:59	4.91g/5mL	5g/5mL	1.02
A4D1356-03	Soil	NWTPH-Gx (MS)	04/16/24 10:56	04/16/24 10:56	6.76g/5mL	5g/5mL	0.74
A4D1356-05	Soil	NWTPH-Gx (MS)	04/16/24 11:56	04/16/24 11:56	5.34g/5mL	5g/5mL	0.94
A4D1356-07	Soil	NWTPH-Gx (MS)	04/16/24 12:35	04/16/24 12:35	6.34g/5mL	5g/5mL	0.79
A4D1356-08	Soil	NWTPH-Gx (MS)	04/16/24 12:56	04/16/24 12:56	6.65g/5mL	5g/5mL	0.75
A4D1356-09	Soil	NWTPH-Gx (MS)	04/16/24 13:44	04/16/24 13:44	6.08g/5mL	5g/5mL	0.82
A4D1356-10	Soil	NWTPH-Gx (MS)	04/16/24 13:49	04/16/24 13:49	4.43g/5mL	5g/5mL	1.13
A4D1356-11	Soil	NWTPH-Gx (MS)	04/16/24 14:07	04/16/24 14:07	6.03g/5mL	5g/5mL	0.83
A4D1356-12	Soil	NWTPH-Gx (MS)	04/16/24 14:14	04/16/24 14:14	4.83g/5mL	5g/5mL	1.04
A4D1356-13	Soil	NWTPH-Gx (MS)	04/16/24 14:57	04/16/24 14:57	6.75g/5mL	5g/5mL	0.74
A4D1356-14	Soil	NWTPH-Gx (MS)	04/16/24 15:07	04/16/24 15:07	5.44g/5mL	5g/5mL	0.92

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

Page 34 of 43



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.256 Quarry Road
Roseburg, OR 97470Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

SAMPLE PREPARATION INFORMATION

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4D1356-15	Soil	NWTPH-Gx (MS)	04/16/24 15:20	04/16/24 15:20	6.1g/5mL	5g/5mL	0.82
A4D1356-16	Soil	NWTPH-Gx (MS)	04/16/24 15:27	04/16/24 15:27	6.43g/5mL	5g/5mL	0.78
A4D1356-17	Soil	NWTPH-Gx (MS)	04/16/24 15:34	04/16/24 15:34	6.5g/5mL	5g/5mL	0.77

Batch: 24D0751

A4D1356-04RE1	Soil	NWTPH-Gx (MS)	04/16/24 11:22	04/16/24 11:22	6.14g/5mL	5g/5mL	0.81
A4D1356-06RE1	Soil	NWTPH-Gx (MS)	04/16/24 12:02	04/16/24 12:02	5.32g/5mL	5g/5mL	0.94
A4D1356-18RE1	Soil	NWTPH-Gx (MS)	04/16/24 15:45	04/16/24 15:45	6.07g/5mL	5g/5mL	0.82

BTEX Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4D1356-05	Soil	5035A/8260D	04/16/24 11:56	04/16/24 11:56	5.34g/5mL	5g/5mL	0.94
A4D1356-14	Soil	5035A/8260D	04/16/24 15:07	04/16/24 15:07	5.44g/5mL	5g/5mL	0.92

Selected Volatile Organic Compounds by EPA 5035A/8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4D1356-04	Soil	5035A/8260D	04/16/24 11:22	04/16/24 11:22	6.14g/5mL	5g/5mL	0.81
A4D1356-06	Soil	5035A/8260D	04/16/24 12:02	04/16/24 12:02	5.32g/5mL	5g/5mL	0.94
A4D1356-15	Soil	5035A/8260D	04/16/24 15:20	04/16/24 15:20	6.1g/5mL	5g/5mL	0.82
A4D1356-18	Soil	5035A/8260D	04/16/24 15:45	04/16/24 15:45	6.07g/5mL	5g/5mL	0.82

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4D1356-05	Soil	EPA 8270E SIM	04/16/24 11:56	04/24/24 10:23	11.75g/5mL	10g/5mL	0.85
A4D1356-04	Soil	EPA 8270E SIM	04/16/24 11:22	04/26/24 04:27	11.76g/5mL	10g/5mL	0.85
A4D1356-06	Soil	EPA 8270E SIM	04/16/24 12:02	04/26/24 04:27	11.32g/5mL	10g/5mL	0.88
A4D1356-14	Soil	EPA 8270E SIM	04/16/24 15:07	04/26/24 04:27	11.78g/5mL	10g/5mL	0.85

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

Page 35 of 43



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road

Roseburg, OR 97470

Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1356 - 05 03 24 1519**

SAMPLE PREPARATION INFORMATION

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0901							
A4D1356-15	Soil	EPA 6020B	04/16/24 15:20	04/24/24 10:24	0.476g/50mL	0.5g/50mL	1.05
Batch: 24D1040							
A4D1356-04	Soil	EPA 6020B	04/16/24 11:22	04/29/24 10:04	0.488g/50mL	0.5g/50mL	1.02
A4D1356-06	Soil	EPA 6020B	04/16/24 12:02	04/29/24 10:04	0.49g/50mL	0.5g/50mL	1.02
A4D1356-18	Soil	EPA 6020B	04/16/24 15:45	04/29/24 10:04	0.495g/50mL	0.5g/50mL	1.01

Percent Dry Weight

Prep: Total Solids (Dry Weight) - 2022

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0693							
A4D1356-01	Soil	EPA 8000D	04/16/24 09:53	04/18/24 16:46			NA
A4D1356-02	Soil	EPA 8000D	04/16/24 09:59	04/18/24 16:46			NA
A4D1356-03	Soil	EPA 8000D	04/16/24 10:56	04/18/24 16:46			NA
A4D1356-04	Soil	EPA 8000D	04/16/24 11:22	04/18/24 16:46			NA
A4D1356-05	Soil	EPA 8000D	04/16/24 11:56	04/18/24 16:46			NA
A4D1356-06	Soil	EPA 8000D	04/16/24 12:02	04/18/24 16:46			NA
A4D1356-07	Soil	EPA 8000D	04/16/24 12:35	04/18/24 16:46			NA
A4D1356-08	Soil	EPA 8000D	04/16/24 12:56	04/18/24 16:46			NA
A4D1356-09	Soil	EPA 8000D	04/16/24 13:44	04/18/24 16:46			NA
A4D1356-10	Soil	EPA 8000D	04/16/24 13:49	04/18/24 16:46			NA
A4D1356-11	Soil	EPA 8000D	04/16/24 14:07	04/18/24 16:46			NA
A4D1356-12	Soil	EPA 8000D	04/16/24 14:14	04/18/24 16:46			NA
A4D1356-13	Soil	EPA 8000D	04/16/24 14:57	04/18/24 16:46			NA
A4D1356-14	Soil	EPA 8000D	04/16/24 15:07	04/18/24 16:46			NA
A4D1356-15	Soil	EPA 8000D	04/16/24 15:20	04/18/24 16:46			NA
A4D1356-16	Soil	EPA 8000D	04/16/24 15:27	04/18/24 16:46			NA
A4D1356-17	Soil	EPA 8000D	04/16/24 15:34	04/18/24 16:46			NA
A4D1356-18	Soil	EPA 8000D	04/16/24 15:45	04/18/24 16:46			NA

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

Page 36 of 43



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1356 - 05 03 24 1519

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- A-01** Due to spiking error, not all Batch QC samples were analyzed. The batch is accepted based on the recoveries of the Blank Spike (BS).
- B-02** Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
- F-11** The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
- F-13** The chromatographic pattern does not resemble the fuel standard used for quantitation
- M-05** Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1356 - 05 03 24 1519

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.
ND Analyte NOT DETECTED at or above the detection or reporting limit.
NR Result Not Reported
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")

See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories

Darrell Auvi, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1356 - 05 03 24 1519

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

- Standard practice is to evaluate the results from Blank QC Samples down to a level equal to $\frac{1}{2}$ the Reporting Limit (RL).
- For Blank hits falling between $\frac{1}{2}$ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
 - For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
- For further details, please request a copy of this document.
- Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.
- 'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1356 - 05 03 24 1519

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -

EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road

Roseburg, OR 97470

Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

CHAIN OF CUSTODY

APEX LABS

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Lab # A4D1356 COC 1 of 2

Company: First Strike Environmental Co.	Project Mgr: Trevor Krueger	Project Name: <u>Oakland Bridge UST</u>	Project #: <u>2404-14</u>
Address: 256 Quarry Road, Roseburg, OR 97470	Phone: (800) 447-3558	Email: <u>Email@FSEco.com</u>	PO #: <u>240414</u>
Sampled by: <u>Spencer Becker</u>			
Site Location: <u>OR WA CA</u> AK ID: <u>—</u>			
SAMPLE ID	LAB ID #	DATE	TIME
240414-011		4-16	0933
240414-012			0949
240414-013			1056
240414-014			1123
240414-015			1156
240414-016			1202
240414-017			1235
240414-018			1256
240414-019			1344
240414-020			1349
Normal Turn Around Time (TAT) = 10 Business Days			
TAT Requested (circle) <u>1 Day</u> 2 Day 3 Day 4 DAY 5 DAY Other: _____			
SPECIAL INSTRUCTIONS: <u>IF Gx run 5 day 8260B BTEX/EDS/EDC/MTSE/Naphthalene</u> <u>IF DX run 5 day BTEX /PAH</u>			
RECEIVED BY: Signature: <u>[Signature]</u> Date: <u>4-17-24</u>			
Signature: <u>[Signature]</u> Date: <u>4-17-24</u>			
Printed Name: <u>Spencer Becker</u> Time: <u>0930</u>			
Company: <u>First Strike</u>			

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvel, Client Services Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: Oakland Bridge USTProject Number: 24-04-14Project Manager: Trevor KruegerReport ID:

A4D1356 - 05 03 24 1519

CHAIN OF CUSTODY

APEX LABS

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Lab # A4D1356 COC # 2 of 2

Company: First Strike Environmental Co.	Project Mgr: Trevor Krueger	Project Name: <u>Oakland Bridge UST</u>	Project #: <u>24-04-14</u>
Address: 256 Quarry Road, Roseburg, OR 97470	Phone: (800) 447-3558	Email: <u>Email@FSEco.com</u>	PO # <u>240414</u>
Sampled by: <u>Spencer Berlier</u>			
Site Location: <u>OR WA CA</u> <u>AK ID</u>			
SAMPLE ID	LAB ID #	DATE	TIME
<u>240414-021</u>		<u>4/16</u>	<u>1407</u>
<u>240414-022</u>		<u>4/14</u>	<u>1414</u>
<u>240414-023</u>		<u>4/14</u>	<u>1457</u>
<u>240414-024</u>		<u>4/14</u>	<u>1507</u>
<u>240414-025</u>		<u>4/14</u>	<u>1530</u>
<u>240414-026</u>		<u>4/14</u>	<u>1537</u>
<u>240414-027</u>		<u>4/14</u>	<u>1534</u>
<u>240414-028</u>		<u>4/14</u>	<u>1545</u>
MATRIX			
# OF CONTAINERS			
NWTPH-HCID			
NWTPH-DX			
NWTPH-GX			
8260 BTEX			
8260 RBDN VOCs			
8260 Halo VOCs			
8260 VOCs Full List			
8270 SIM PAHs			
8270 Semi-Vols Full List			
8082 PCBs			
8081 Pest			
RCRA Metals (8)			
Priority Metals (13)			
AL, Sb, As, Ba, Be, Bi, Cd, Cr, Co, Cu, Fe, Hg, Mg, Mn, Mo, Ni, Pb, Se, Ag, Na, Ti, Zn			
TOTAL DISS. TCLP			
TCLP Metals (9)			
Archive			

SPECIAL INSTRUCTIONS:
If Gx run 5 day 8260 BTEX/EDS/EDX/MTSE/Naphthalene - Lead
If Dg run 5 day BTEX /PAH

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle) 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: _____

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:
Signature: <u>Spencer Berlier</u>	Signature: _____
Date: <u>4-17-24</u>	Date: _____
Printed Name: <u>Spencer Berlier</u>	Printed Name: _____
Company: <u>First Strike</u>	Company: _____

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road

Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1356 - 05 03 24 1519

APEX LABS COOLER RECEIPT FORMClient: First Strike Enviro Element WO#: A4 D1356Project/Project #: Oakland Bridge UST 24-04-14**Delivery Info:**Date/time received: 4/18/24 @ 1000 By: KMSDelivered by: Apex ☐ Client ☐ ESS ☐ FedEx ☐ UPS ☒ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐From USDA Regulated Origin? Yes ☐ No ☒**Cooler Inspection** Date/time inspected: 4/18/24 @ 1000 By: KMSChain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☐ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>1.8</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition (In/Out):	<u>In</u>						

Cooler out of temp? (Y/N) Possible reason why: Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐**Sample Inspection:** Date/time inspected: 4/18/24 @ 1042 By: KSAll samples intact? Yes ☐ No ☒ Comments: 802 cracked in transit to lab on sample 240414-023, broke in bag, was able to recover.Bottle labels/COCs agree? Yes ☒ No ☐ Comments: No T on Cots for 240414-028COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒Comments: Water samples: pH checked: Yes ☐ No ☐ NA ☒ pH appropriate? Yes ☐ No ☐ NA ☒ pH ID: Comments: 12 612 8A1 01 9619 9891Labeled by: KSWitness: RAW - voices
JJ - JawsCooler Inspected by: KS

Form V-003 R-02

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

Page 43 of 43

SITE CLEARANCE SAMPLE SUMMARY - FSE Project No. 24-04-14 - OR-99 Oakland Bridge Project - ODEQ Log No. pending

Date	Sample ID	Item	Description	Location	NWTPH-Dx	
4/9/2024	240414-01	Tank #1	Soil Under Tank, 9' Depth (reported) Adjust Actual depth	UST North End	Diesel Heavy Oil	268 ppm
4/9/2024	240414-002	Tank #1	Soil Under Tank, 9' Depth (reported) Adjust Actual depth	UST South End	Diesel Heavy Oil	ND



ANALYTICAL REPORT

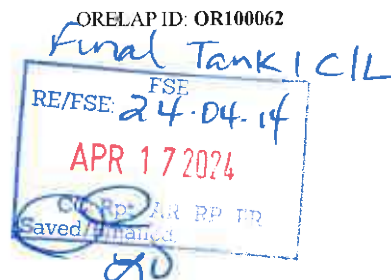
Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062



Wednesday, April 17, 2024

Trevor Krueger

First Strike Environmental Co.

256 Quarry Road

Roseburg, OR 97470

RE: A4D1053 - Oakland Bridge UST - 24-04-14

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A4D1053, which was received by the laboratory on 4/9/2024 at 1:02:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Default Cooler 5.6 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1053 - 04 17 24 1538****ANALYTICAL SAMPLE RESULTS****Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-01 (A4D1053-01)				Matrix: Soil		Batch: 24D0473		
Diesel	268	---	21.4	mg/kg dry	1	04/12/24 22:21	NWTPH-Dx	
Oil	ND	---	42.8	mg/kg dry	1	04/12/24 22:21	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %	1	04/12/24 22:21	NWTPH-Dx	
240414-02 (A4D1053-02)				Matrix: Soil		Batch: 24D0473		
Diesel	ND	---	21.1	mg/kg dry	1	04/12/24 22:44	NWTPH-Dx	
Oil	ND	---	42.2	mg/kg dry	1	04/12/24 22:44	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 66 %		Limits: 50-150 %	1	04/12/24 22:44	NWTPH-Dx	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1053 - 04 17 24 1538****ANALYTICAL SAMPLE RESULTS****Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-01 (A4D1053-01)		Matrix: Soil			Batch: 24D0397			
Benzene	ND	---	11.7	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
Toluene	ND	---	58.4	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
Ethylbenzene	ND	---	29.2	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
Xylenes, total	ND	---	87.6	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	58.4	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
Naphthalene	ND	---	117	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	58.4	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	29.2	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
Isopropylbenzene	ND	---	58.4	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	58.4	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	58.4	ug/kg dry	50	04/10/24 18:00	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	108 %	<i>Limits:</i>	80-120 %	1	04/10/24 18:00	5035A/8260D
<i>Toluene-d8 (Surr)</i>			92 %		80-120 %	1	04/10/24 18:00	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			101 %		79-120 %	1	04/10/24 18:00	5035A/8260D
240414-02 (A4D1053-02)		Matrix: Soil			Batch: 24D0397			
Benzene	ND	---	11.1	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
Toluene	ND	---	55.6	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
Ethylbenzene	ND	---	27.8	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
Xylenes, total	ND	---	83.4	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	55.6	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
Naphthalene	ND	---	111	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	55.6	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	27.8	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
Isopropylbenzene	ND	---	55.6	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	55.6	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	55.6	ug/kg dry	50	04/10/24 18:25	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	106 %	<i>Limits:</i>	80-120 %	1	04/10/24 18:25	5035A/8260D
<i>Toluene-d8 (Surr)</i>			91 %		80-120 %	1	04/10/24 18:25	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			103 %		79-120 %	1	04/10/24 18:25	5035A/8260D

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1053 - 04 17 24 1538****QUALITY CONTROL (QC) SAMPLE RESULTS****Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	Limits	RPD	RPD Limit	Notes
Batch 24D0473 - EPA 3546 (Fuels)						Soil						
Blank (24D0473-BLK1)			Prepared: 04/12/24 04:41 Analyzed: 04/12/24 09:26									
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 100 %		Limits: 50-150 %		Dilution: 1x						
LCS (24D0473-BS1)			Prepared: 04/12/24 04:41 Analyzed: 04/12/24 09:49									
NWTPH-Dx												
Diesel	125	---	20.0	mg/kg wet	1	125	---	100	38-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 105 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0473-DUP1)			Prepared: 04/12/24 04:41 Analyzed: 04/12/24 10:36									
QC Source Sample: Non-SDG (A4D1131-01)												
Diesel	35.6	---	22.8	mg/kg dry	1	---	46.0	---	---	25	30%	
Oil	ND	---	45.6	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 73 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0473-DUP2)			Prepared: 04/12/24 06:24 Analyzed: 04/13/24 00:42									
QC Source Sample: Non-SDG (A4D1172-02)												
Diesel	1180	---	21.9	mg/kg dry	1	---	991	---	---	17	30%	
Oil	ND	---	43.8	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1053 - 04 17 24 1538**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0397 - EPA 5035A						Soil						
Blank (24D0397-BLK1)			Prepared: 04/10/24 08:34 Analyzed: 04/10/24 12:26									
5035A/8260D												
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	75.0	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 96 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		97 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		97 %		79-120 %		"						

LCS (24D0397-BS1)

Prepared: 04/10/24 08:34 Analyzed: 04/10/24 11:35

<u>5035A/8260D</u>												
Benzene	982	---	10.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Toluene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Ethylbenzene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Xylenes, total	3020	---	75.0	ug/kg wet	50	3000	---	101	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	988	---	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Naphthalene	952	---	100	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,2-Dibromoethane (EDB)	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,2-Dichloroethane (EDC)	1190	---	25.0	ug/kg wet	50	1000	---	119	80-120%	---	---	
Isopropylbenzene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,2,4-Trimethylbenzene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,3,5-Trimethylbenzene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			Recovery: 97 %	Limits: 80-120 %	Dilution: 1x							
Toluene-d8 (Surr)			95 %	80-120 %	"							
4-Bromofluorobenzene (Surr)			96 %	79-120 %	"							

Duplicate (24D0397-DUP1)

Prepared: 04/08/24 13:30 Analyzed: 04/10/24 20:08

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1053 - 04 17 24 1538****QUALITY CONTROL (QC) SAMPLE RESULTS****Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0397 - EPA 5035A						Soil						
Matrix Spike (24D0397-MS1)						Prepared: 04/09/24 09:07 Analyzed: 04/10/24 18:51						
QC Source Sample: 240414-02 (A4D1053-02)												
5035A/8260D												
Benzene	1140	---	11.1	ug/kg dry	50	1110	ND	102	77-121%	---	---	
Toluene	1080	---	55.6	ug/kg dry	50	1110	ND	97	77-121%	---	---	
Ethylbenzene	1090	---	27.8	ug/kg dry	50	1110	ND	98	76-122%	---	---	
Xylenes, total	3220	---	83.4	ug/kg dry	50	3340	ND	96	78-124%	---	---	
Methyl tert-butyl ether (MTBE)	1090	---	55.6	ug/kg dry	50	1110	ND	98	73-125%	---	---	
Naphthalene	1100	---	111	ug/kg dry	50	1110	ND	99	62-129%	---	---	
1,2-Dibromoethane (EDB)	1190	---	55.6	ug/kg dry	50	1110	ND	107	78-122%	---	---	
1,2-Dichloroethane (EDC)	1200	---	27.8	ug/kg dry	50	1110	ND	108	73-128%	---	---	
Isopropylbenzene	1160	---	55.6	ug/kg dry	50	1110	ND	104	68-134%	---	---	
1,2,4-Trimethylbenzene	1070	---	55.6	ug/kg dry	50	1110	ND	96	75-123%	---	---	
1,3,5-Trimethylbenzene	1080	---	55.6	ug/kg dry	50	1110	ND	97	73-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 104 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		93 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		100 %		79-120 %		"						

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1053 - 04 17 24 1538****QUALITY CONTROL (QC) SAMPLE RESULTS****Percent Dry Weight**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0396 - Total Solids (Dry Weight) - 2022							Soil					
Duplicate (24D0396-DUP9)			Prepared: 04/10/24 18:34 Analyzed: 04/11/24 04:53									
QC Source Sample: Non-SDG (A4D1128-01)												
% Solids	91.9	---	1.00	%	1	---	90.3	---	---	2	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: Oakland Bridge UST

Project Number: 24-04-14

Project Manager: Trevor Krueger

Report ID:

A4D1053 - 04 17 24 1538

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

There are No Qualifiers on Sample or QC Data for this report

Apex Laboratories

A handwritten signature in black ink, appearing to read "Darrell Auvil".

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1053 - 04 17 24 1538

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to 1/2 the Reporting Limit (RL).

-For Blank hits falling between 1/2 the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.

-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

-Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Benzofluoranthene Isomer Reporting:

Due to coelution on the analytical column, the Benzo(b)fluoranthene results represent the concentration of both Benzo(b)fluoranthene and Benzo(j) fluoranthene. Calibration is based on the response of Benzo(b)fluoranthene, and the results represent the combined Benzo(b+j)fluoranthene(s).

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



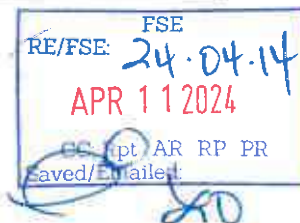
ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Thursday, April 11, 2024

Trevor Krueger
First Strike Environmental Co.
256 Quarry Road
Roseburg, OR 97470



RE: A4D1057 - Oakland Bridge UST - 24-04-14

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A4D1057, which was received by the laboratory on 4/9/2024 at 1:02:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information	
Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen) or received on ice the same day as sampling.	
(See Cooler Receipt Form for details)	
Default Cooler	5.6 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1057 - 04 11 24 1050****ANALYTICAL SAMPLE RESULTS****Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-D (A4D1057-01RE1)				Matrix: Soil		Batch: 24D0397		
Gasoline Range Organics	213	---	14.9	mg/kg dry	100	04/10/24 12:52	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	108 %	Limits: 50-150 %	1	04/10/24 12:52	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			104 %	50-150 %	1	04/10/24 12:52	NWTPH-Gx (MS)	
240414-D1 (A4D1057-02RE1)				Matrix: Soil		Batch: 24D0397		
Gasoline Range Organics	321	---	15.2	mg/kg dry	100	04/10/24 13:17	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	112 %	Limits: 50-150 %	1	04/10/24 13:17	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			101 %	50-150 %	1	04/10/24 13:17	NWTPH-Gx (MS)	
240414-D2 (A4D1057-03RE1)				Matrix: Soil		Batch: 24D0397		
Gasoline Range Organics	357	---	14.6	mg/kg dry	100	04/10/24 13:43	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	103 %	Limits: 50-150 %	1	04/10/24 13:43	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			97 %	50-150 %	1	04/10/24 13:43	NWTPH-Gx (MS)	
240414-D3 (A4D1057-04RE1)				Matrix: Soil		Batch: 24D0397		
Gasoline Range Organics	444	---	16.0	mg/kg dry	100	04/10/24 14:09	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	106 %	Limits: 50-150 %	1	04/10/24 14:09	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			96 %	50-150 %	1	04/10/24 14:09	NWTPH-Gx (MS)	
240414-D4 (A4D1057-05RE1)				Matrix: Soil		Batch: 24D0397		
Gasoline Range Organics	251	---	13.7	mg/kg dry	100	04/10/24 14:34	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	101 %	Limits: 50-150 %	1	04/10/24 14:34	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			94 %	50-150 %	1	04/10/24 14:34	NWTPH-Gx (MS)	
240414-D5 (A4D1057-06RE1)				Matrix: Soil		Batch: 24D0397		
Gasoline Range Organics	219	---	14.4	mg/kg dry	100	04/10/24 15:00	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	103 %	Limits: 50-150 %	1	04/10/24 15:00	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			94 %	50-150 %	1	04/10/24 15:00	NWTPH-Gx (MS)	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**
256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**
Project Number: **24-04-14**
Project Manager: **Trevor Krueger****Report ID:**
A4D1057 - 04 11 24 1050**QUALITY CONTROL (QC) SAMPLE RESULTS****Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0341 - EPA 5035A												
Soil												
Blank (24D0341-BLK1)												
Prepared: 04/09/24 09:00 Analyzed: 04/09/24 11:16												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			Recovery: 100 %	Limits: 50-150 %			Dilution: 1x					
1,4-Difluorobenzene (Sur)			107 %	50-150 %			"					
LCS (24D0341-BS2)												
Prepared: 04/09/24 09:00 Analyzed: 04/09/24 10:50												
NWTPH-Gx (MS)												
Gasoline Range Organics	27.7	---	5.00	mg/kg wet	50	25.0	---	111	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			Recovery: 96 %	Limits: 50-150 %			Dilution: 1x					
1,4-Difluorobenzene (Sur)			106 %	50-150 %			"					
Duplicate (24D0341-DUP1)												
Prepared: 04/09/24 09:00 Analyzed: 04/09/24 19:23												
QC Source Sample: 240414-D3 (A4D1057-04)												
NWTPH-Gx (MS)												
Gasoline Range Organics	311	---	7.99	mg/kg dry	50	---	322	---	---	3	30%	
Surr: 4-Bromofluorobenzene (Sur)			Recovery: 106 %	Limits: 50-150 %			Dilution: 1x					
1,4-Difluorobenzene (Sur)			95 %	50-150 %			"					
Duplicate (24D0341-DUP2)												
Prepared: 04/03/24 13:30 Analyzed: 04/09/24 21:06												
QC Source Sample: Non-SDG (A4D0899-01)												
Gasoline Range Organics	916	---	13.2	mg/kg dry	100	---	886	---	---	3	30%	
Surr: 4-Bromofluorobenzene (Sur)			Recovery: 106 %	Limits: 50-150 %			Dilution: 1x					
1,4-Difluorobenzene (Sur)			94 %	50-150 %			"					
Batch 24D0397 - EPA 5035A												
Soil												
Blank (24D0397-BLK1)												
Prepared: 04/10/24 08:34 Analyzed: 04/10/24 12:26												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			Recovery: 97 %	Limits: 50-150 %			Dilution: 1x					
1,4-Difluorobenzene (Sur)			101 %	50-150 %			"					
LCS (24D0397-BS2)												
Prepared: 04/10/24 08:34 Analyzed: 04/10/24 12:00												

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**
256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**
Project Number: **24-04-14**
Project Manager: **Trevor Krueger****Report ID:**
A4D1057 - 04 11 24 1050**QUALITY CONTROL (QC) SAMPLE RESULTS****Percent Dry Weight**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 24D0346 - Total Solids (Dry Weight) - 2022							Soil						
Duplicate (24D0346-DUP1)			Prepared: 04/09/24 09:44 Analyzed: 04/10/24 06:53										
QC Source Sample: Non-SDG (A4D1011-01)													
% Solids	93.7	---	1.00	%	1	---	94.2	---	---	0.6	10%		
Duplicate (24D0346-DUP2)			Prepared: 04/09/24 09:44 Analyzed: 04/10/24 06:53										
QC Source Sample: Non-SDG (A4D1011-02)													
% Solids	80.7	---	1.00	%	1	---	80.8	---	---	0.2	10%		
Duplicate (24D0346-DUP3)			Prepared: 04/09/24 09:44 Analyzed: 04/10/24 06:53										
QC Source Sample: Non-SDG (A4D1011-03)													
% Solids	85.6	---	1.00	%	1	---	85.4	---	---	0.3	10%		
Duplicate (24D0346-DUP4)			Prepared: 04/09/24 19:09 Analyzed: 04/10/24 06:53										PRO
QC Source Sample: Non-SDG (A4D0976-06)													
% Solids	99.3	---	1.00	%	1	---	99.0	---	---	0.3	10%		
Duplicate (24D0346-DUP5)			Prepared: 04/09/24 19:09 Analyzed: 04/10/24 06:53										PRO
QC Source Sample: Non-SDG (A4D0976-10)													
% Solids	98.9	---	1.00	%	1	---	98.8	---	---	0.1	10%		
Duplicate (24D0346-DUP6)			Prepared: 04/09/24 19:09 Analyzed: 04/10/24 06:53										
QC Source Sample: Non-SDG (A4D1062-12)													
% Solids	79.1	---	1.00	%	1	---	79.4	---	---	0.3	10%		
Duplicate (24D0346-DUP7)			Prepared: 04/09/24 19:09 Analyzed: 04/10/24 06:53										
QC Source Sample: Non-SDG (A4D1065-05)													
% Solids	75.4	---	1.00	%	1	---	75.0	---	---	0.5	10%		
Duplicate (24D0346-DUP8)			Prepared: 04/09/24 19:09 Analyzed: 04/10/24 06:53										
QC Source Sample: Non-SDG (A4D1068-01)													
% Solids	88.9	---	1.00	%	1	---	88.5	---	---	0.4	10%		

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**First Strike Environmental Co.**256 Quarry Road
Roseburg, OR 97470Project: **Oakland Bridge UST**Project Number: **24-04-14**Project Manager: **Trevor Krueger****Report ID:****A4D1057 - 04 11 24 1050****SAMPLE PREPARATION INFORMATION****Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx****Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0397							
A4D1057-01RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:15	04/09/24 09:15	5.64g/5mL	5g/5mL	0.89
A4D1057-02RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:20	04/09/24 09:20	4.88g/5mL	5g/5mL	1.02
A4D1057-03RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:25	04/09/24 09:25	5.08g/5mL	5g/5mL	0.98
A4D1057-04RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:00	04/09/24 09:00	5.41g/5mL	5g/5mL	0.92
A4D1057-05RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:05	04/09/24 09:05	5.99g/5mL	5g/5mL	0.84
A4D1057-06RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:10	04/09/24 09:10	5.94g/5mL	5g/5mL	0.84

Percent Dry Weight**Prep: Total Solids (Dry Weight) - 2022**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0346							
A4D1057-01	Soil	EPA 8000D	04/09/24 09:15	04/09/24 19:09			NA
A4D1057-02	Soil	EPA 8000D	04/09/24 09:20	04/09/24 19:09			NA
A4D1057-03	Soil	EPA 8000D	04/09/24 09:25	04/09/24 19:09			NA
A4D1057-04	Soil	EPA 8000D	04/09/24 09:00	04/09/24 19:09			NA
A4D1057-05	Soil	EPA 8000D	04/09/24 09:05	04/09/24 19:09			NA
A4D1057-06	Soil	EPA 8000D	04/09/24 09:10	04/09/24 19:09			NA

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.

256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**

Project Number: **24-04-14**

Project Manager: **Trevor Krueger**

Report ID:

A4D1057 - 04 11 24 1050

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.
ND Analyte NOT DETECTED at or above the detection or reporting limit.
NR Result Not Reported
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.

The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

* *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.
256 Quarry Road
Roseburg, OR 97470

Project: **Oakland Bridge UST**
Project Number: **24-04-14**
Project Manager: **Trevor Krueger**

Report ID:
A4D1057 - 04 11 24 1050

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

First Strike Environmental Co.
256 Quarry Road
Roseburg, OR 97470

Project: Oakland Bridge UST
Project Number: 24-04-14
Project Manager: Trevor Krueger

Report ID:
A4D1057 - 04 11 24 1050

Apex Labs
6700 SW Sandburg St, Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A4D1057 coc 1 of 1

Company: First Strike Environmental Project Mgr: Trevor Krueger Project # 24-04-14
Address: 256 Quarry Rd, Roseburg, Oregon 97470 Phone: 503 982 8892 Email: A.Peco.com PO # 24-04-14
Sampled by: Spencer Barber / Dave Boz

Site Location:
State: Oregon
County: Douglas

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTR-HClD	NWTR-DL	NWTR-GX	2260 BTEX	2260 RNDM VOCs	2260 Halo VOCs	2260 VOCs Full List	2270 SIM PAHs	2270 Semi-Volat Full List	8082 PCBs	8081 Pesticides	HCHA Metals (9)	Priority Metals (15)	As, Pb, Cu, Cr, Fe, Ni, K, Na, Ag, Cd, Co, Mn, Mo, V, Zn, TCDF, TCDF	Field Sample	From: Archive
240414-D	4/4	915	S	3			X		X							X				
240414-D1		920	S	3			X		X							X				
240414-D2		925	S	3			X		X							X				
240414-D3		900	S	3			X		X							X				
240414-D4		905	S	3			X		X							X				
240414-D5		910	S	3			X		X							X				

SPECIAL INSTRUCTIONS:

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 5 Day Standard Other: _____

RECEIVED BY: [Signature] Date: 4/9/24 Time: _____
Printed Name: K. Krueger Company: Apex

RECEIVED BY: _____ Date: _____ Time: _____
Printed Name: _____ Company: _____

Form Y-002 R-00

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

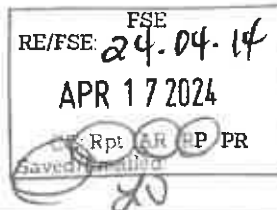
Darrell Auvil, Client Services Manager

Appendix D

Disposal Documentation



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718926
Date: 04/15/2024 9:11 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 2 - Truck 2

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	15.52	\$94.00	\$1,458.88	\$0.00	\$0.00	\$0.00	\$1,458.88

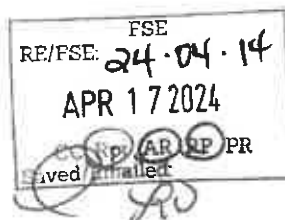
Driver Signature: _____

\$1,458.88

Material	Gross	Scale	Tare	Scale	Net
4	60540 lb	1 8:54 AM	29500 lb	2 9:09 AM	31040 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718927
Date: 04/15/2024 9:19 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 3 - Truck 3

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.49	\$94.00	\$1,550.06	\$0.00	\$0.00	\$0.00	\$1,550.06

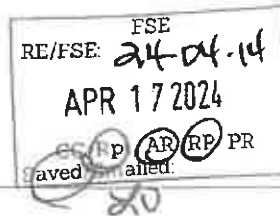
Driver Signature: _____

\$1,550.06

Material	Gross	Scale	Tare	Scale	Net
4	60820 lb	1 8:57 AM	27840 lb	2 9:17 AM	32980 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718932
Date: 04/15/2024 9:37 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 6 - Truck 6
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

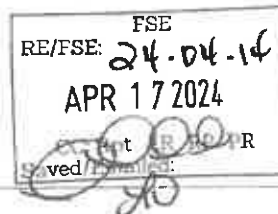
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgis Cnty	13.81	\$94.00	\$1,298.14	\$0.00	\$0.00	\$0.00	\$1,298.14

Driver Signature: _____ \$1,298.14

Material	Gross	Scale	Tare	Scale	Net
4	51160 lb	1 9:30 AM	23540 lb	2 9:37 AM	27620 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718938
Date: 04/15/2024 10:25 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 3 - Truck 3
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

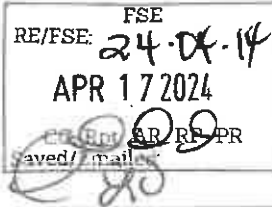
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgis Cnty	16.79	\$94.00	\$1,578.26	\$0.00	\$0.00	\$0.00	\$1,578.26

Driver Signature: _____ \$1,578.26

Material	Gross	Scale	Tare	Scale	Net
4	62900 lb	1 10:14 AM	29320 lb	2 10:24 AM	33580 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718942
Date: 04/15/2024 10:52 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 6 - Truck 6
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

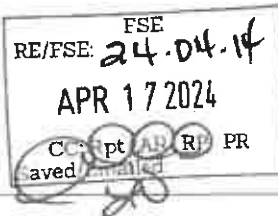
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	15.05	\$94.00	\$1,414.70	\$0.00	\$0.00	\$0.00	\$1,414.70

Driver Signature: _____ \$1,414.70

Material	Gross	Scale	Tare	Scale	Net
4	54040 lb	1 10:43 AM	23940 lb	2 10:52 AM	30100 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718943
Date: 04/15/2024 10:56 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 7 - Truck 7
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

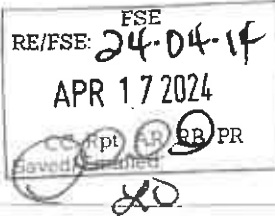
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	11.75	\$94.00	\$1,104.50	\$0.00	\$0.00	\$0.00	\$1,104.50

Driver Signature: _____ \$1,104.50

Material	Gross	Scale	Tare	Scale	Net
4	47520 lb	1 10:48 AM	24020 lb	2 10:56 AM	23500 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718956
Date: 04/15/2024 11:51 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 4 - Truck 4

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

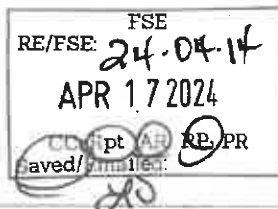
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	15.41	\$94.00	\$1,448.54	\$0.00	\$0.00	\$0.00	\$1,448.54

Driver Signature: _____ \$1,448.54

Material	Gross	Scale	Tare	Scale	Net
4	56520 lb	1 11:42 AM	25700 lb	2 11:51 AM	30820 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718957
Date: 04/15/2024 12:04 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 7 - Truck 7

Remarks:

Trailer:

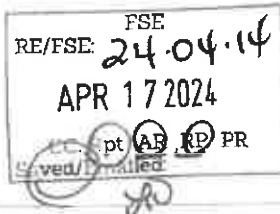
Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	14.3	\$94.00	\$1,344.20	\$0.00	\$0.00	\$0.00	\$1,344.20

Driver Signature: _____ \$1,344.20

Material	Gross	Scale	Tare	Scale	Net
4	52240 lb	1 11:55 AM	23640 lb	2 12:04 PM	28600 lb

**Douglas County Solid Waste**1036 S.E. Douglas Room 308
Roseburg OR, 97470Ticket #: 718964
Date: 04/15/2024 12:48 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037Customer: FS
First Strike Environmental

Truck: 3 - Truck 3

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

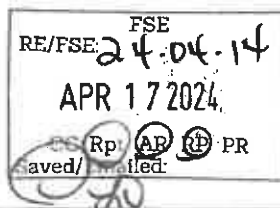
Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.22	\$94.00	\$1,524.68	\$0.00	\$0.00	\$0.00	\$1,524.68

Driver Signature: _____

\$1,524.68

Material	Gross	Scale	Tare	Scale	Net
4	60100 lb	1 12:43 PM	27660 lb	2 12:48 PM	32440 lb

**Douglas County Solid Waste**1036 S.E. Douglas Room 308
Roseburg OR, 97470Ticket #: 718965
Date: 04/15/2024 1:01 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037Customer: FS
First Strike Environmental

Truck: 5 - Truck 5

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	15.37	\$94.00	\$1,444.78	\$0.00	\$0.00	\$0.00	\$1,444.78

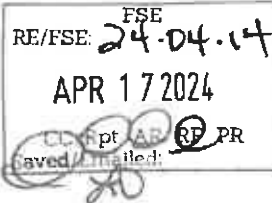
Driver Signature: _____

\$1,444.78

Material	Gross	Scale	Tare	Scale	Net
4	56400 lb	1 12:53 PM	25660 lb	2 1:01 PM	30740 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718972
Date: 04/15/2024 1:47 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 2 - Truck 2

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

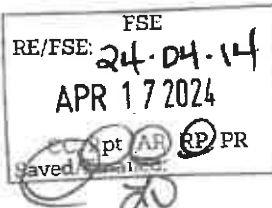
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.46	\$94.00	\$1,547.24	\$0.00	\$0.00	\$0.00	\$1,547.24

Driver Signature: _____ \$1,547.24

Material	Gross	Scale	Tare	Scale	Net
4	62300 lb	1 1:39 PM	29380 lb	2 1:47 PM	32920 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718973
Date: 04/15/2024 1:56 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 3 - Truck 3

Remarks:

Trailer:

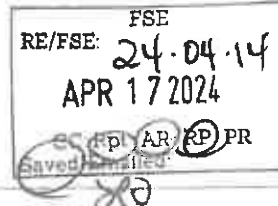
Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.27	\$94.00	\$1,529.38	\$0.00	\$0.00	\$0.00	\$1,529.38

Driver Signature: _____ \$1,529.38

Material	Gross	Scale	Tare	Scale	Net
4	60140 lb	1 1:49 PM	27600 lb	2 1:56 PM	32540 lb

**Douglas County Solid Waste**1036 S.E. Douglas Room 308
Roseburg OR, 97470Ticket #: 718976
Date: 04/15/2024 2:58 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037Customer: FS
First Strike Environmental

Truck: 5 - Truck 5

Remarks:

Trailer:

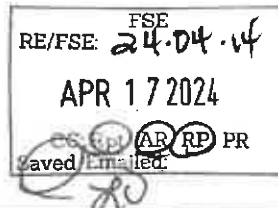
Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	14.9	\$94.00	\$1,400.60	\$0.00	\$0.00	\$0.00	\$1,400.60

Driver Signature: _____ \$1,400.60

Material	Gross	Scale	Tare	Scale	Net
4	53860 lb	1 2:51 PM	24060 lb	2 2:58 PM	29800 lb

**Douglas County Solid Waste**1036 S.E. Douglas Room 308
Roseburg OR, 97470Ticket #: 718982
Date: 04/15/2024 3:33 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037Customer: FS
First Strike Environmental

Truck: 7 - Truck 7

Remarks:

Trailer:

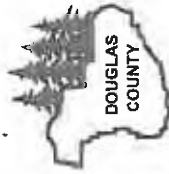
Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	14.35	\$94.00	\$1,348.90	\$0.00	\$0.00	\$0.00	\$1,348.90

Driver Signature: _____ \$1,348.90

Material	Gross	Scale	Tare	Scale	Net
4	51900 lb	1 3:21 PM	23200 lb	2 3:33 PM	28700 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718978
Date: 04/15/2024 3:05 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 2 - Truck 2
Trailer:
Remarks:

Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

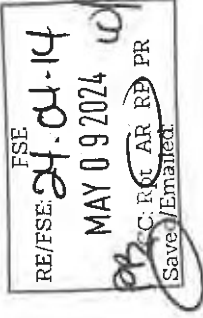
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	17.42	\$94.00	\$1,637.48	\$0.00	\$0.00	\$0.00	\$1,637.48

Driver Signature: _____		Tare		Scale	Net
Material	Gross	Scale	Tare	Scale	Net
4	64120 lb	1	2:53 PM	29280 lb	2 3:04 PM
					34840 lb

\$1,637.48



Douglas County Solid Waste
1035 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 718979
Date: 04/15/2024 3:13 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 3 - Truck 3
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

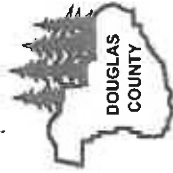
Remarks:

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	17.39	\$94.00	\$1,634.66	\$0.00	\$0.00	\$0.00	\$1,634.66

Driver Signature: _____

Driver Signature: _____						\$1,634.66	
Material	Gross	Scale	Tare	Scale	Net		
4	62340 lb	1 3:07 PM	27560 lb	2 3:13 PM	34780 lb		

\$1,634.66



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470

RE/FSE: 2404.14
MAY 09 2024
PR
Saved/Printed:

Ticket #: 718981
Date: 04/15/2024 3:25 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 5 - Truck 5
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

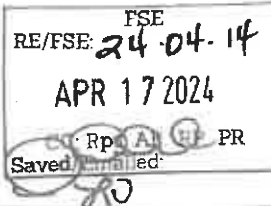
Remarks:

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	15.12	\$94.00	\$1,421.28	\$0.00	\$0.00	\$0.00	\$1,421.28

Driver Signature: _____				\$1,421.28	
Material	Gross	Scale	Tare	Scale	Net
4	55680 lb	1	3:17 PM	2	3:24 PM
			25440 lb		30240 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719016
Date: 04/16/2024 8:44 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 7 - Truck 7
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

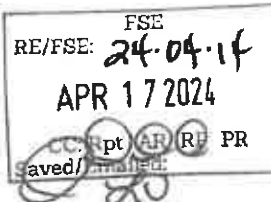
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	12.96	\$94.00	\$1,218.24	\$0.00	\$0.00	\$0.00	\$1,218.24

Driver Signature: _____ \$1,218.24

Material	Gross	Scale	Tare	Scale	Net
4	48960 lb	1 8:37 AM	23040 lb	2 8:44 AM	25920 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719017
Date: 04/16/2024 8:51 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 5 - Truck 5
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

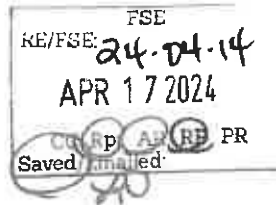
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	14.6	\$94.00	\$1,372.40	\$0.00	\$0.00	\$0.00	\$1,372.40

Driver Signature: _____ \$1,372.40

Material	Gross	Scale	Tare	Scale	Net
4	53060 lb	1 8:44 AM	23860 lb	2 8:51 AM	29200 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719027
Date: 04/16/2024 9:47 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 7 - Truck 7
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

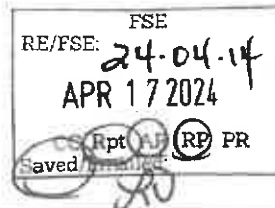
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	12.75	\$94.00	\$1,198.50	\$0.00	\$0.00	\$0.00	\$1,198.50

Driver Signature: _____ **\$1,198.50**

Material	Gross	Scale	Tare	Scale	Net
4	49560 lb	1 9:40 AM	24060 lb	2 9:47 AM	25500 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719028
Date: 04/16/2024 9:57 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 5 - Truck 5
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

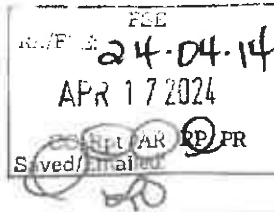
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	14.73	\$94.00	\$1,384.62	\$0.00	\$0.00	\$0.00	\$1,384.62

Driver Signature: _____ **\$1,384.62**

Material	Gross	Scale	Tare	Scale	Net
4	53480 lb	1 9:50 AM	24020 lb	2 9:57 AM	29460 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719036
Date: 04/16/2024 10:31 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 2 - Truck 2

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

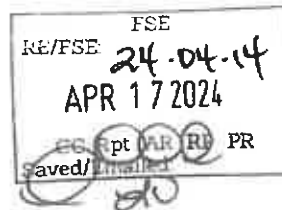
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	17.03	\$94.00	\$1,600.82	\$0.00	\$0.00	\$0.00	\$1,600.82

Driver Signature: _____ \$1,600.82

Material	Gross	Scale	Tare	Scale	Net
4	63500 lb	1 10:23 AM	29440 lb	2 10:31 AM	34060 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719043
Date: 04/16/2024 10:52 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 7 - Truck 7

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

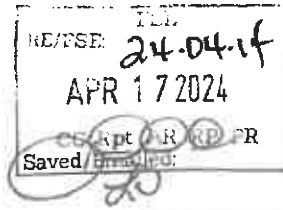
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	13.64	\$94.00	\$1,282.16	\$0.00	\$0.00	\$0.00	\$1,282.16

Driver Signature: _____ \$1,282.16

Material	Gross	Scale	Tare	Scale	Net
4	50400 lb	1 10:43 AM	23120 lb	2 10:52 AM	27280 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719054
Date: 04/16/2024 11:44 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 3 - Truck 3
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

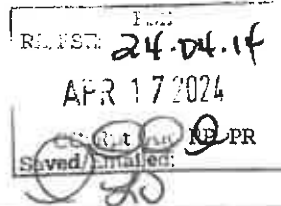
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.21	\$94.00	\$1,523.74	\$0.00	\$0.00	\$0.00	\$1,523.74

Driver Signature: _____ \$1,523.74

Material	Gross	Scale	Tare	Scale	Net
4	60140 lb	1 11:39 AM	27720 lb	2 11:44 AM	32420 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719055
Date: 04/16/2024 11:54 AM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 2 - Truck 2
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

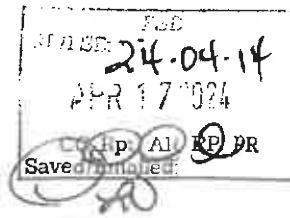
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.68	\$94.00	\$1,567.92	\$0.00	\$0.00	\$0.00	\$1,567.92

Driver Signature: _____ \$1,567.92

Material	Gross	Scale	Tare	Scale	Net
4	62520 lb	1 11:46 AM	29160 lb	2 11:54 AM	33360 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719064
Date: 04/16/2024 12:46 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 8 - Truck 8

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

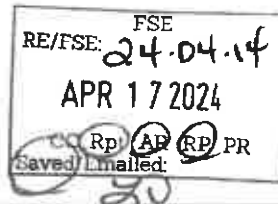
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.25	\$94.00	\$1,527.50	\$0.00	\$0.00	\$0.00	\$1,527.50

Driver Signature: _____ \$1,527.50

Material	Gross	Scale	Tare	Scale	Net
4	58960 lb	1 12:40 PM	26460 lb	2 12:46 PM	32500 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719065
Date: 04/16/2024 1:01 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 3 - Truck 3

Remarks:

Trailer:

Location: 1 - DOUGLAS COUNTY

Weigh Master: AM

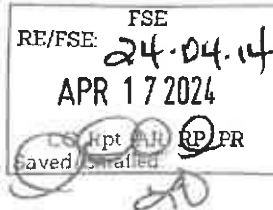
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	14.89	\$94.00	\$1,399.66	\$0.00	\$0.00	\$0.00	\$1,399.66

Driver Signature: _____ \$1,399.66

Material	Gross	Scale	Tare	Scale	Net
4	57580 lb	1 12:56 PM	27800 lb	2 1:01 PM	29780 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719070
Date: 04/16/2024 1:21 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 5 - Truck 5
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

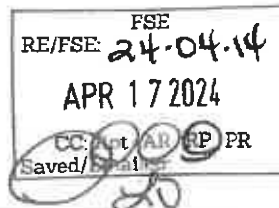
Remarks:

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	14.07	\$94.00	\$1,322.58	\$0.00	\$0.00	\$0.00	\$1,322.58

Driver Signature: _____ \$1,322.58

Material	Gross	Scale	Tare	Scale	Net
4	52000 lb	1 1:16 PM	23860 lb	2 1:21 PM	28140 lb

Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719076
Date: 04/16/2024 1:56 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 8 - Truck 8
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

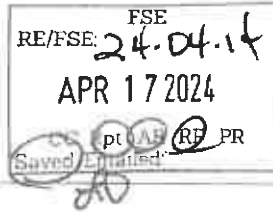
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	16.46	\$94.00	\$1,547.24	\$0.00	\$0.00	\$0.00	\$1,547.24

Driver Signature: _____ \$1,547.24

Material	Gross	Scale	Tare	Scale	Net
4	59340 lb	1 1:49 PM	26420 lb	2 1:55 PM	32920 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719081
Date: 04/16/2024 2:21 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 7 - Truck 7
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

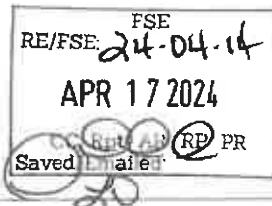
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	10.94	\$94.00	\$1,028.36	\$0.00	\$0.00	\$0.00	\$1,028.36

Driver Signature: _____ \$1,028.36

Material	Gross	Scale	Tare	Scale	Net
4	45020 lb	1 2:14 PM	23140 lb	2 2:21 PM	21880 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719083
Date: 04/16/2024 2:28 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

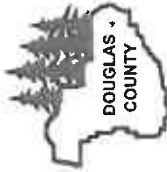
Truck: 5 - Truck 5
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	12.73	\$94.00	\$1,196.62	\$0.00	\$0.00	\$0.00	\$1,196.62

Driver Signature: _____ \$1,196.62

Material	Gross	Scale	Tare	Scale	Net
4	49060 lb	1 2:22 PM	23600 lb	2 2:28 PM	25460 lb



Douglas County Solid Waste
1036 S.E. Douglas Room 308
Roseburg OR, 97470



Ticket #: 719086
Date: 04/16/2024 3:10 PM
Phone: (541) 440-4475
Fax: (541) 440-4413
Account #: 2037

Customer: FS
First Strike Environmental

Truck: 8 - Truck 8
Trailer:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
PCS in Dgls Cnty	11.38	\$94.00	\$1,069.72	\$0.00	\$0.00	\$0.00	\$1,069.72

Driver Signature: _____		Tare		Scale		Net	
Material	Gross	Scale	Tare	Scale	Net		
4	48960 lb	1	3:01 PM	26200 lb	2	3:09 PM	22760 lb

\$1,069.72

FSE
RE/FSE: 24.04.14
APR 10 2024
CC: Rpt AR RP PR
Saved/Emailed.

DOUGLAS COUNTY PUBLIC WORKS DEPARTMENT
SPECIAL WASTE DISPOSAL PERMIT

Part 1 of 1
For information phone (541) 440-4267

Permit authorizes disposal only at the Roseburg Landfill between 9 a.m. - 3 p.m.
Wednesday through Friday. No disposal without presentation of original permit(s)
Permit valid for 6 months from issue date

Minimum 24 hours advance notice of disposal - Phone (541) 957-7712

IMPROPER DISPOSAL IS A VIOLATION OF COUNTY CODE AND
SUBJECT TO CITATION AND FINE

☒ Petroleum Contaminated Soil (PCS) ☐ Sand Blast Grit ☐ Other 24.04.14

Generator Name: ODOT / Farline Bridge
Waste description: PCS - gasoline
Address: Hwy 99, Roseburg, OR
Contact Person: Trevor Krueger for ODOT / Farline Phone: 541/673-9892
Estimated Quantity: 200-cy

I, _____, hereby certify that the information contained herein is true and correct, and the material described is properly classified, identified, packaged, marked, labeled, cleaned and prepared as required by government regulations. I certify this waste is not a hazardous or dangerous waste as defined by the U.S. EPA or State of Oregon. I certify this waste does not contain any quantities of PCB's or regulated radioactive materials. I certify all samples used for analysis are representative of the materials described herein.

Lori Onate for Trevor Krueger Project Coord / FSE 4/9/2024
Authorized Representative's Signature Title / Company Date

Transporter: JRT Construction Co FSE
Address: 256 Quincy, Roseburg
Phone: 541/673-9892
Responsible party for disposal cost: First Strike
Billing address: 256 Quincy
Date Transported: 4/11/2024
Start Date Requested:
Phone: 541/673-9892

Commercial Accounts
I acknowledge that charges to established commercial accounts are due 30 days from date of billing and that delinquent accounts are subject to loss of charging privileges and collection through judicial proceedings.
Lori Onate for Trevor Krueger
Authorized Representative's Signature Printed Name

FOR OFFICE USE ONLY

Total Volume: _____ ton(s) This Load: _____ ton(s)
Permit Fee: \$72.00 + Volume: _____ ton(s) X Rate: \$60.00/ton (double for non resident) = Total: \$ _____
\$ 94

☐ Cash ☐ Check # _____ Receipt # _____ ☐ Charge

Material Confirmation Roseburg Landfill - 384 McLain West Ave, Roseburg, OR 97471 541-957-7712
Permit Issued By: Cherise Headway
Received By: ROSEBURG LANDFILL
Date: 4-18-24 Time: 9:29 Volume: 76
Gross Weight: 17360
Tare Weight: 15840
Net Weight: 1520

<u>ORRCO Disposal</u>	<u>Gals</u>	<u>FSE Project No. 24-04-14 Oakland Bridge Project</u>
-----------------------	-------------	--

4/29/2024	1650	Waters mixed with Gasoline
5/1/2024	2105	Waters mixed with Diesel Fuel
5/8/2024	55	Oily Rinse Waters
5/8/2024	55	Oily Rinse Waters

Oil Re-Refining Company

EPA# ORD980975692

4150 N Suttle Rd

Portland, OR 97217

Phone: 503-286-8352

Work Order

4/9/2024

Service Information

First Strike Environmental Company

256 Quarry Rd

PO REQUIRED BEFORE DISPATCH

Roseburg, OR 97470-9453

Contact: Trevor

Phone: 1-541-673-9892

E-mail: accounting@fseco.com; email@fseco.com

Billing Information

First Strike Environmental Company

256 Quarry Rd

Roseburg, OR 97470-9453

Job Name

First Strike Environmental Co. - 2401328

Job Type	PO #	Invoice #	Scheduled	Start	End
Commercial	240414		04/09/2024	6:00 AM	7:00 AM

Item	Description	Quantity	Rate	Amount
Wastewater (emuls. oil & water)	For recycling, Flash Point > 200 F. pH: HCDT/ CDT test:	1650.0000	\$0.7500	\$1,237.50
Hydro Clor D Test	Field test for chlorinates in aqueous materials	1.0000	\$40.0000	\$40.00
Truck & Gear Labor	Per hour (includes stop fee, job time and travel time when applicable).	1.0000	\$120.0000	\$120.00

Job Subtotal: \$1,397.50

OREGON: \$0.00

Payment Total: \$0.00

Total: \$1,397.50

GEN EPA ID#	GEN Status	Profile 1	Profile 2	Profile 3	Profile 4
None	AF 3-16-24	Oily Water 08-1-23		Spent Fuel-01/12/24	
Profile 5	Profile 6	Profile 7	Profile 8		
fuel and water 6/8/23(pilot)	oilly solids8-12-22				

Consigned to	Via carrier	Destination	City/State	EPA #	Truck #
ORRCO/Goshen	ORRCO	85951 Old Hwy 99 S	Eugene, OR	ORQ000024941	4737

Driver	Manifest #	CA waste codes
Paul Pollard		

Job Notes and Instructions:

4/8- PO# 240414 -Spencer called job in 541-673-9892- Thank You- Emily200. Po240414

Oil Re-Refining Company

EPA# ORD980975692
 4150 N Suttle Rd
 Portland, OR 97217
 Phone: 503-286-8352

Work Order

5/1/2024

Service Information

First Strike Environmental Company
 256 Quarry Rd
 PO REQUIRED BEFORE DISPATCH
 Roseburg, OR 97470-9453
 Contact: Trevor
 Phone: 1-541-673-9892
 E-mail: accounting@fseco.com; email@fseco.com

Billing Information

First Strike Environmental Company
 256 Quarry Rd
 Roseburg, OR 97470-9453

Job Name

First Strike Environmental Co. - 2401364

Job Type	PO #	Invoice #	Scheduled	Start	End
Commercial	24-04-14		05/01/2024	9:00 AM	10:00 AM

Item	Description	Quantity
Wastewater (emuls. oil & water)	For recycling, Flash Point > 200 F. pH: HCDT/ CDT test:	2105.0000
Hydro Clor D Test	Field test for chlorinates in aqueous materials	1.0000
Truck & Gear Labor	Per hour (includes stop fee, job time and travel time when applicable).	1.0000

GEN EPA ID#	GEN Status	Profile 1	Profile 2	Profile 3	Profile 4
None	AF 3-16-24	Oily Water 08-1-23		Spent Fuel-01/12/24	
Profile 5	Profile 6	Profile 7	Profile 8		
fuel and water 6/8/23(pilot)	oilly solids8-12-22				
Consigned to	Via carrier	Destination	City/State	EPA #	Truck #
ORRCO/Goshen	ORRCO	85951 Old Hwy 99 S	Eugene, OR	ORQ000024941	4737
Driver	Manifest #	CA waste codes			
Cory Dickinson					

Job Notes and Instructions:

4/10 Debby -PO# 24-04-14- ODT (open Bridge Project)
 4/29 Lori called with PO# 31910

Oil Re-Refining Company

EPA# ORD980975692

4150 N Suttle Rd

Portland, OR 97217

Phone: 503-286-8352

**Work Order**

5/8/2024

Service Information

First Strike Environmental Company

256 Quarry Rd

PO REQUIRED BEFORE DISPATCH

Roseburg, OR 97470-9453

Contact: Trevor

Phone: 1-541-673-9892

E-mail: accounting@fseco.com; email@fseco.com

Billing Information

First Strike Environmental Company

256 Quarry Rd

Roseburg, OR 97470-9453

Job Name

First Strike Environmental Co. - 2401677

Job Type	PO #	Invoice #	Scheduled	Start	End
Commercial			05/08/2024	9:00 AM	10:00 AM
Item	Description	Quantity	Rate	Amount	
Wastewater (fuel & water CCP)	For recycling, CDT test:	55.0000	\$0.7500	\$41.25	
Hydro Clor D Test	Field test for chlorinates in aqueous materials	1.0000	\$40.0000	\$40.00	
Truck & Gear Labor	Per hour (includes stop fee, job time and travel time when applicable).	1.0000	\$120.0000	\$120.00	

Job Subtotal: \$201.25
 OREGON: \$0.00
 Payment Total: \$0.00
Total: \$201.25

GEN EPA ID#	GEN Status	Profile 1	Profile 2	Profile 3	Profile 4
None	AF 5-8-24	Oily Water 08-1-23		Spent Fuel-01/12/24	
Profile 5	Profile 6	Profile 7	Profile 8		
fuel and water 6/8/23(pil)	oil solids8-12-22				
Consigned to	Via carrier	Destination	City/State	EPA #	Truck #
ORRCO/Goshen	ORRCO	85951 Old Hwy 99 S	Eugene, OR	ORQ000024941	4737
Driver	Manifest #	CA waste codes			
Cory Dickinson					

Job Notes and Instructions:

5/1 Debby - PO# 31909

As an authorized representative of the generator of the material described above, I certify that the information contained in this document is 100% accurate and complete. I further certify that this material does NOT constitute a hazardous waste and has NOT been mixed with any hazardous waste such as spent chlorinated solvents or any other contaminants including, without limitation, PCBs, pesticides, or any other hazardous wastes or substances. In the event that the material described in this document is in fact a hazardous waste, or contains 2 PPM or more of PCBs, I guarantee to pay all costs necessary for proper analysis, transportation, storage, and disposal as well as any fines, penalties, attorneys fees, expert witness fees and the loss of the petroleum product resulting from contamination and/or inaccurate and/or incomplete information concerning the material described above. Customer Not Available: Other /COVID-Social Distance VERBAL Signature.

Oil Re-Refining Company

EPA# ORD980975692
 4150 N Suttle Rd
 Portland, OR 97217
 Phone: 503-286-8352

Service Information

First Strike Environmental Company
 256 Quarry Rd
 PO REQUIRED BEFORE DISPATCH
 Roseburg, OR 97470-9453
 Contact: Trevor
 Phone: 1-541-673-9892
 E-mail: accounting@fseco.com; email@fseco.com

Job Name

First Strike Environmental Co. - 2401678

**Work Order**

5/8/2024

Billing Information

First Strike Environmental Company
 256 Quarry Rd
 Roseburg, OR 97470-9453

Job Type	PO #	Invoice #	Scheduled	Start	End
Commercial			05/08/2024	11:00 AM	12:00 PM
Item	Description	Quantity	Rate	Amount	
Wastewater (fuel & water CCP)	For recycling, CDT test:	55.0000	\$0.7500	\$41.25	
Hydro Clor D Test	Field test for chlorinates in aqueous materials	1.0000	\$40.0000	\$40.00	
Truck & Gear Labor	Per hour (includes stop fee, job time and travel time when applicable).	1.0000	\$120.0000	\$120.00	
Job Subtotal:				\$201.25	
OREGON:				\$0.00	
Payment Total:				\$0.00	
Total:				\$201.25	

GEN EPA ID#	GEN Status	Profile 1	Profile 2	Profile 3	Profile 4
None	AF 5-8-24	Oily Water 5-8-24		Spent Fuel-01/12/24	
Profile 5	Profile 6	Profile 7	Profile 8		
fuel and water 6/8/23(pilot)	solids8-12-22				
Consigned to	Via carrier	Destination	City/State	EPA #	Truck #
ORRCO/Goshen	ORRCO	85951 Old Hwy 99 S	Eugene, OR	ORQ000024941	4737
Driver	Manifest #	CA waste codes			
Cory Dickinson					

Job Notes and Instructions:

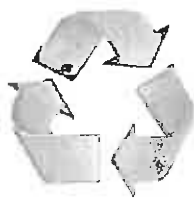
5/1 Debby - PO# 31911

As an authorized representative of the generator of the material described above, I certify that the information contained in this document is 100% accurate and complete. I further certify that this material does NOT constitute a hazardous waste and has NOT been mixed with any hazardous waste such as spent chlorinated solvents or any other contaminants including, without limitation, PCBs, pesticides, or any other hazardous wastes or substances. In the event that the material described in this document is in fact a hazardous waste, or contains 2 PPM or more of PCBs, I guarantee to pay all costs necessary for proper analysis, transportation, storage, and disposal as well as any fines, penalties, attorneys fees, expert witness fees and the loss of the petroleum product resulting from contamination and/or inaccurate and/or incomplete information concerning the material described above. Customer Not Available: Other /COVID-Social Distance VERBAL Signature.

The Steel Outlet QTY FSE Project No. 24-04-14 Oakland Bridge Project

4/9/2024 0.94-Tons Tank #1

4/17/2024 0.96-Tons Tank #2



Steel Recyclers

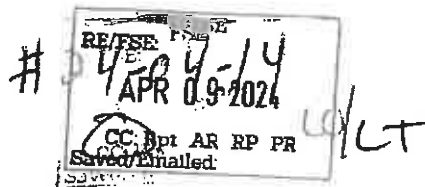
135 Kester Road
Roseburg, OR 97470

Voice: 541-440-3005
Fax: 541-440-3007

Account Number First Strike
First Strike

Hours of Business:

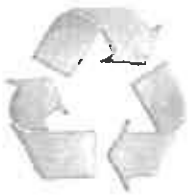
Monday-Friday: 8:00am-4:45pm
Closed Saturday & Sunday



4/9/24 3:09 PM Invoice #: 96809				
Commodity	Units	Unit of Measure	Unit Price	Amount
Unprepared Scrap Iron	0.94	Ton		
Round to the next Quarter	1.00	Each		

"I the undersigned, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property. I understand that this statement is made under penalty of perjury and may be used as evidence in court."

Authorized Signature _____



Steel Recyclers

135 Kester Road
Roseburg, OR 97470

Voice: 541-440-3005
Fax: 541-440-3007

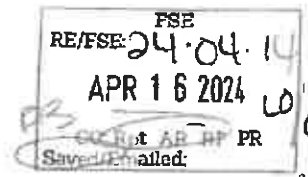
Account Number First Strike
First Strike

Hours of Business:

Monday-Friday: 8:00am-4:45pm
Closed Saturday & Sunday

Tank #2

24-04-14



COPY

4/17/24 2:07 PM

Invoice #: 96915

Commodity	Units	Unit of Measure	Unit Price	Amount
Unprepared Scrap Iron	0.96	Ton		
Round to the next Quarter	1.00	Each		

"I the undersigned, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property. I understand that this statement is made under penalty of perjury and may be used as evidence in court."

Authorized Signature

Appendix E

Agency Communications

Lori Onate

From: PARDUE Dave * DEQ <dave.pardue@deq.oregon.gov>
Sent: Friday, August 2, 2024 12:00 PM
To: Lori Onate; ORR Jim * DEQ; DOYLE Tim; MCMULLEN Brian; joey@farlinebridge.com
Cc: Leilani Thatcher
Subject: RE: Status Inquiry - Closure Report - Thirty Day UST Decommission Check List OR-99 - FSE Project No. 24-04-14 - ODEQ Log No.

Hi Lori-

During production of the NFA letter, I could not find the Soil Matrix Scoresheet. Also in Section 4.0 the site is referred to as falling under Soil Matrix Screening level II, but in Section 4.1 Screening level III is referred to.

Can you please revise for consistency and send over a SM Scoresheet?

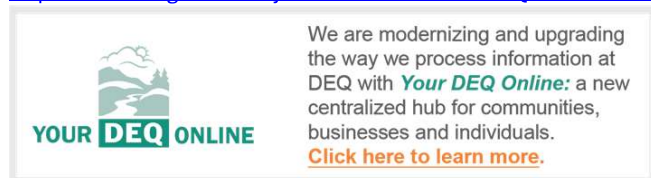
Thanks,

Dave

Dave Pardue
Underground Storage Tank Program Coordinator
Oregon Department of Environmental Quality
700 NE Multnomah Street, Suite 600
Portland, OR 97232
503-229-6085
Pronouns: He/Him/His

Sign-up for UST Program Updates Here:

https://service.govdelivery.com/accounts/ORDEQ/subscriber/new?topic_id=ORDEQ_546



From: Lori Onate <Lori@fseco.com>
Sent: Friday, June 14, 2024 5:09 PM
To: PARDUE Dave * DEQ <dave.pardue@deq.oregon.gov>; ORR Jim * DEQ <Jim.orr@deq.oregon.gov>; DOYLE Tim <Tim.DOYLE@odot.oregon.gov>; MCMULLEN Brian <Brian.MCMULLEN@odot.oregon.gov>; joey@farlinebridge.com
Cc: Lori Onate <Lori@fseco.com>; Leilani Thatcher <Leilani@FSEco.com>
Subject: Status Inquiry - Closure Report - Thirty Day UST Decommission Check List OR-99 - FSE Project No. 24-04-14 - ODEQ Log No.

Hello,

First Strike has submitted the pertinent reporting and supporting documentation to request Site Closure and No Further Action for the above captioned LUST site under OERS Log No. 10-24-0300. Please see attached.

Please provide status on receipt of Site Closure and No Further Action. Thank you.



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
Underground Storage Tank Program

**SOIL MATRIX CHECKLIST AND
SOIL MATRIX SCORESHEET**

- ☒ 1. The release of petroleum has been reported to the DEQ (0220).
- ☒ 2. The matrix score sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (0320).
- ☒ 3. The required hydrocarbon identification test (NWTPH-HCID) has been performed (0335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (0218).
- ☒ 4. A sketch has been made of this site (0345(1)) which clearly shows:
- ☒ a. The location of all buildings and other key features, both man-made and natural;
 - ☒ b. The names of adjacent streets and properties;
 - ☒ c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;
 - ☒ d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and
 - ☒ e. All soil and water sample locations.
- ☐ 5. If any contaminated soil exceeding matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 0340(1)(f) and 0355(4) have been met.
- ☐ 6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 0340(4) have been met.
- ☒ 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (0345).
- ☐ 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 0218(1)(b)(D).
- ☐ 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (0340(5)).
- ☒ 10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (0360), and presents findings and recommendations which are consistent with Department regulations.

SOIL MATRIX SCORE SHEET

1.	Depth to Groundwater <div> <div>< 25 feet</div> <div>25 - 50 feet</div> <div>51 - 100 feet</div> <div>> 100 feet</div> </div> <div> <div>(10)</div> <div>(7)</div> <div>(4)</div> <div>(1)</div> </div>	7
2.	Mean Annual Precipitation <div> <div>> 45 inches</div> <div>20 - 45 inches</div> <div>< 20 inches</div> </div> <div> <div>(10)</div> <div>(4)</div> <div>(1)</div> </div>	10
3.	Native Soil Type <div> <div>Course sands, gravels</div> <div>Silts, fine sands</div> <div>Clays</div> </div> <div> <div>(10)</div> <div>(5)</div> <div>(1)</div> </div>	1
4.	Sensitivity of Uppermost Aquifer <div> <div></div> <div>Sole Source</div> <div>Current Potable</div> <div>Future Potable</div> <div>Non-potable</div> </div> <div> <div>(10)</div> <div>(7)</div> <div>(4)</div> <div>(1)</div> </div>	7
5.	Potential Receptors <div> <div>Many, near</div> <div>Medium</div> <div>Few, far</div> </div> <div> <div>(10)</div> <div>(5)</div> <div>(1)</div> </div>	5
TOTAL SCORE =		30

MATRIX SCORE	Cleanup Level (ppm TPH)	
	Gasoline	Diesel
Level 1: > 40 pts.	40	100
Level 2: 25 - 40 pts.	80	500
Level 3: < 25 pts.	130	1000

Lori Onate

From: ORR Jim * DEQ <jorr@stateoforegon.mail.onmicrosoft.com>
Sent: Thursday, May 9, 2024 9:41 AM
To: Lori Onate
Subject: Automatic reply: Thirty Day UST Decommission Check List OR-99 - FSE Project No. 24-04-14 - ODEQ Log No.

I am out of the office Thursday and Friday 5/9 and 5/10

Please email me and I will respond.

Thank you
Jim Orr

Lori Oate

From: UST Duty Officer * DEQ <UST.DutyOfficer@DEQ.oregon.gov>
To: Lori Oate
Sent: Thursday, May 9, 2024 9:41 AM
Subject: Read: Thirty Day UST Decommission Check List OR-99 - FSE Project No. 24-04-14 - ODEQ Log No.

Your message

To: UST Duty Officer * DEQ
Subject: Thirty Day UST Decommission Check List OR-99 - FSE Project No. 24-04-14 - ODEQ Log No.
Sent: Thursday, May 9, 2024 4:38:42 PM (UTC+00:00) Monrovia, Reykjavik

was read on Thursday, May 9, 2024 4:41:17 PM (UTC+00:00) Monrovia, Reykjavik.

Lori Onate

From: ORR Jim * DEQ <Jim.orr@deq.oregon.gov>
Sent: Tuesday, May 7, 2024 2:32 PM
To: Lori Onate
Cc: Spencer Berlier; PARDUE Dave * DEQ; ORR Jim * DEQ; ORR Jim * DEQ
Subject: RE: Request to Backfill - OR-99 Oakland Bridge - FSE Project No. 24-04-141 - ODEQ Log No. 10-24-0300

Lori,
The Site Clearance Sample Summary analytical results and site conditions allow excavation backfilling.

DEQ approves backfilling the excavation.

Please let me know if you have questions.

Thank you.
Jim

From: Lori Onate <Lori@fseco.com>
Sent: Monday, May 6, 2024 9:06 AM
To: ORR Jim * DEQ <Jim.orr@deq.oregon.gov>
Cc: Spencer Berlier <spencer@fseco.com>; Lori Onate <Lori@fseco.com>
Subject: RE: Request to Backfill - OR-99 Oakland Bridge - FSE Project No. 24-04-141 - ODEQ Log No. 10-24-0300

Hello Mr. Orr,

First Strike is inquiring on the status of our request. Please see attached for reference.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

From: ORR Jim * DEQ <Jim.orr@deq.oregon.gov>
Sent: Thursday, May 2, 2024 10:45 AM
To: Lori Onate <Lori@fseco.com>
Cc: Spencer Berlier <spencer@fseco.com>; ORR Jim * DEQ <Jim.orr@deq.oregon.gov>
Subject: RE: Request to Backfill - OR-99 Oakland Bridge - FSE Project No. 24-04-141 - ODEQ Log No. 10-24-0300

I will comment by Friday 5/3

Thanks
Jim

From: Lori Onate <Lori@fseco.com>
Sent: Wednesday, May 1, 2024 9:02 AM

Lori Onate

From: ORR Jim * DEQ <Jim.orr@deq.oregon.gov>
Sent: Thursday, May 2, 2024 10:45 AM
To: Lori Onate
Cc: Spencer Berlier; ORR Jim * DEQ
Subject: RE: Request to Backfill - OR-99 Oakland Bridge - FSE Project No. 24-04-141 - ODEQ Log No. 10-24-0300

I will comment by Friday 5/3

Thanks
Jim

From: Lori Onate <Lori@fseco.com>
Sent: Wednesday, May 1, 2024 9:02 AM
To: ORR Jim * DEQ <Jim.orr@deq.oregon.gov>
Cc: Lori Onate <Lori@fseco.com>; Spencer Berlier <spencer@fseco.com>
Subject: FW: Request to Backfill - OR-99 Oakland Bridge - FSE Project No. 24-04-141 - ODEQ Log No. 10-24-0300

Hello Jim,

Please comment on the request to backfill. See attached. Thank you.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

From: Lori Onate <Lori@fseco.com>
Sent: Tuesday, April 30, 2024 2:37 PM
To: PARDUE Dave * DEQ <dave.pardue@deq.oregon.gov>; ORR Jim * DEQ <Jim.orr@deq.oregon.gov>;
Brian.mcmullen@odot.oregon.gov; tim.doyle@odot.oregon.gov
Cc: Lori Onate <Lori@fseco.com>; Leilani Thatcher <Leilani@FSEco.com>
Subject: Request to Backfill - OR-99 Oakland Bridge - FSE Project No. 24-04-141 - ODEQ Log No. 10-24-0300

Please see attached and respond as soon as possible. Thank you.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932



FIRST STRIKE ENVIRONMENTAL CO



E-MAILED

4/30/24
cc: AR
Email@FESco.com
ORS

Website: www.FSEco.com

24-Hrs: 1-800-447-3558

PRELIMINARY TECHNICAL MEMORANDUM

TO: Dave Pardue / Oregon Department of Environmental Quality
Jim Orr / Oregon Department of Environmental Quality
Brian McMullen / Oregon Department of Transportation
Tim Doyle / Oregon Department of Transportation

FROM: Trevor Krueger / First Strike Environmental Co.
Nate Mandera / First Strike Environmental Co.

SUBJECT: Request to Backfill – OR-99 LUST Remediation
ODOT Oakland Bridge Replacement Project, Oakland, Oregon
FSE Project No. 24-04-14 – ODEQ Log No. 10-24-0300

DATE: April 30, 2024

First Strike Environmental Co. (FSE) submitted the required Twenty-Day Report Form for UST Cleanup to the Oregon Department of Environmental Quality (ODEQ), yesterday April 29, in connection with the decommissioning and remediation work completed on OR-99 Bridge Replacement Project located in Oakland, Douglas County, Oregon.

FSE submitted the ODEQ Twenty-Day Report to Dave Pardue and Jim Orr of the ODEQ along with the sample data summary and draft analytical reports for sampling events completed on April 9, 15, and 16, 2024. Brian McMullen and Tim Doyle of the Oregon Department of Transportation (ODOT) were copied on the submittal of the Twenty-Day Report. An electronic submittal was posted through the ODEQ Online Portal per the new ODEQ requirements. See enclosed.

The Site excavation Pit remains open and unfilled since the completion of excavation of petroleum contaminated soils (PCS). Following FSE's review of the laboratory analytical reports received to date, the draft clearance laboratory analytical reports support the election to backfill the excavation Pit. The backfilling work should occur before heavy forecasted rains arrive.

FSE is requesting that ODEQ submit written communications to the FSE for approval to backfill the Site excavation pit. Once FSE receives written approval, backfilling work will be scheduled and completed.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

FIRST STRIKE ENVIRONMENTAL CO.

CCB 108932

lo



First Strike
Environmental Co.



Submittal Receipt

Department of Environmental Quality, State of Oregon

700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100

Date Created: 4/29/2024

Submittal Summary

Submittal ID: 16225

Facility (project site): ODOT OR-99 Oakland Bridge Replacement

Submittal: LUST Project Document

Submitted By: Lori Onate

Email: Ironate2@icloud.com

Submitted Date: 2024-04-29 12:04:56

Submittal Form Info

Submittal Name: LUST Project Document

Submission Method: Online

Action Type: New

Payment Information

There is no payment due at this time.

Certification

Statement: I, as the Responsible Officer or delegated by the Accounting Officer, declare that the information provided in this application or attached to the application is, to the best of my knowledge, in all respects factually true and correct. I am aware that the supply of false or misleading information in the application form is a criminal offence.

Question: what is your favorite pet's name?

Question's Answer: *****

PIN Number: *****

IP Address: 68.116.108.6

Responsible Official: Lori Onate

**See Appendix A, ODEQ Tank Program, Initial
Regulatory Reporting**

Lori Onate

From: Lori Onate
Sent: Tuesday, April 30, 2024 2:37 PM
To: PARDUE Dave * DEQ; ORR Jim * DEQ; Brian.mcmullen@odot.oregon.gov; tim.doyle@odot.oregon.gov
Cc: Lori Onate; Leilani Thatcher
Subject: Request to Backfill - OR-99 Oakland Bridge - FSE Project No. 24-04-141 - ODEQ Log No. 10-24-0300
Attachments: 04-30-2024 Request for Written Backfill Approval - FSE Project No. 24-04-14_ ODEQ Log No. 10-24-0300.pdf

Please see attached and respond as soon as possible. Thank you.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

24-Hours - Toll Free: 800.447.3558

O. 541.673.9892

F. 541.673.1739

E. Email@FSEco.com

W. www.FSEco.com

When ACTION counts, count on FIRST STRIKE!

One Company - Many Services

*** DO NOT read, copy or disseminate this communication unless you are the intended addressee. This e-mail communication contains confidential and/or privileged information intended only for the addressee. If you have received this communication in error, please call us immediately at (800) 447-3558 and ask to speak to the sender of the communication. Also, please e-mail the sender and notify the sender immediately that you have received the communication in error.



**PRELIMINARY
TECHNICAL MEMORANDUM**



E-MAILED
4/22/24
cc: AR
QFS

TO: Brian McMullen / Oregon Department of Transportation
Tim Doyle / Oregon Department of Transportation

COPIES: Joey Walczak / Farline Bridge, Inc.

FROM: Trevor Krueger / First Strike Environmental Co.
Nate Mandera / First Strike Environmental Co.

SUBJECT: Site Status and Sample Data Summary – OR-99 LUST
ODOT Oakland Bridge Replacement Project, Oakland, Oregon
FSE Project No. 24-04-14 – ODEQ Log No. pending

DATE: April 22, 2024

First Strike Environmental Co. (FSE) is presenting site status to date along with a sample data summary for work completed in connection with the OR-99 Bridge Replacement Project located in Oakland, Douglas County, Oregon. This site is under the jurisdiction of the Oregon Department of Transportation (ODOT) and their subcontracted bridge construction company, Farline Bridge Company.

On April 3, 2024, ODOT's subcontractor, Farline Bridge Company, encountered an estimated 2,000-gallon gasoline underground storage tank (UST) on ODOT's Right of Way (ROW) during construction activities and accidentally punctured the tank during the course of excavation. Farline contacted FSE for response, containment, and removal. FSE began the necessary steps to properly decommission and remove the abandoned UST from the site. On April 8, 2024, FSE pumped and removed approximately 1,750-gallons of liquid emulsified gasoline fuels from the UST #1. On April 9, 2024, FSE collected two soil clearance samples, one on each end of the UST. Visual and odorous fuel contamination was present at the time of sampling work. The UST #1 was removed from the site on April 10, 2024. FSE submitted a technical memorandum and the required UST reporting documentation along with registration fees to the Oregon Department of Environmental Quality (ODEQ) on April 10, 2024. The ODEQ LUST program was notified via online reporting on April 12, 2024. FSE is awaiting the ODEQ Log Number for tracking. See enclosed Preliminary Technical Memorandum dated April 11, 2024.

On April 15, 2024, FSE began exploratory excavation and removal of petroleum contaminated soil (PCS) from the tank Pit #1 site. During onsite PCS excavation, FSE discovered a secondary UST full of what appeared to be water. FSE notified the appropriate agencies and continued excavation of petroleum contaminated soils (PCS) working toward the east. Transportation and disposal of



In order for ODEQ LUST Project Manager to determine further requirements at this LUST site, it will be required that ODOT complete and sign the ODEQ Cost Recovery Agreement and submit to the ODEQ as soon as possible to avoid possible delay.

FSE is presenting Options 1 and 2 with a request for closure to obtain a No Further Action (NFA) designation for the Oakland Bridge Replacement Project site.

Option 1: Remove an additional, up to, 200 to 500-cubic yards of PCS and complete clearance sampling to non-detect results, as possible. Following added PCS excavation, backfill areas of excavation.

Option 2: Backfill areas of excavation, as is, with low level remaining contamination per soil clearance laboratory analytical results in comparison to the ODEQ RBC Chart.

FSE will prepare and submit the ODEQ 20-Day and 30-Day UST reporting documentation and submit to the ODEQ by the required due dates while awaiting comments from the ODEQ LUST Project Manager.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

FIRST STRIKE ENVIRONMENTAL CO.

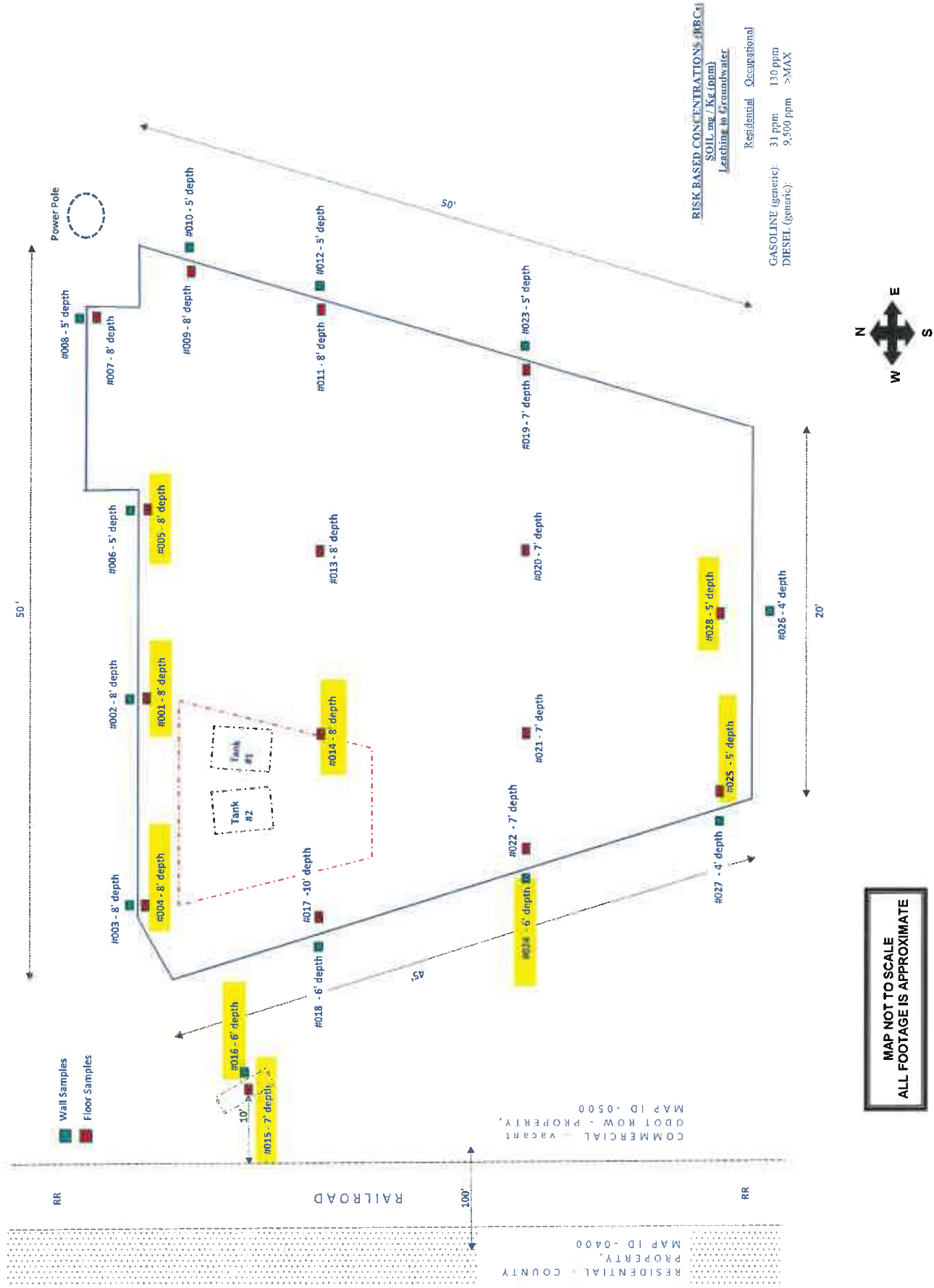
CCB 108932

Enclosure: 04/22/2024 Sample Summary
04/16/2024 Site Maps
Photo Documentation

lo



OR-99 Oakland Bridge Replacement Project - Abandoned USTs
 First Strike Environmental Co. - FSE Project No. 24-04-14 - ODEQ Log No. pending
 Site Sample Location Map - April 16, 2024







Lori Onate

From: Lori Onate
Sent: Monday, April 22, 2024 4:51 PM
To: Brian.mcmullen@odot.oregon.gov; tim.doyle@odot.oregon.gov
Cc: Lori Onate; Leilani Thatcher
Subject: Site Status - OR-99 LUST - FSE Project No. 24-04-14 Oakland Bridge Replacement Project
Attachments: 04-22-2024 Site Status - OR-99 LUST - FSE Project No. 24-04-14 Oakland Bridge Replacement Project.pdf

Hello Brian and Tim,

Attached is Site Status and a Sample Analysis Summary for work completed by First Strike Environmental Co. (FSE).

FSE has not submitted the attached technical memorandum to the Oregon DEQ to allow opportunity for further discussion between FSE and ODOT.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

24-Hours - Toll Free: 800.447.3558

O. 541.673.9892

F. 541.673.1739

E. Email@FSEco.com

W. www.FSEco.com

When ACTION counts, count on FIRST STRIKE!

One Company - Many Services

*** DO NOT read, copy or disseminate this communication unless you are the intended addressee. This e-mail communication contains confidential and/or privileged information intended only for the addressee. If you have received this communication in error, please call us immediately at (800) 447-3558 and ask to speak to the sender of the communication. Also, please e-mail the sender and notify the sender immediately that you have received the communication in error.

Lori Onate

From: MCMULLEN Brian <Brian.MCMULLEN@odot.oregon.gov>
To: Lori Onate
Sent: Tuesday, April 23, 2024 9:05 AM
Subject: Read: Site Status - OR-99 LUST - FSE Project No. 24-04-14 Oakland Bridge Replacement Project

Your message

To: MCMULLEN Brian
Subject: Site Status - OR-99 LUST - FSE Project No. 24-04-14 Oakland Bridge Replacement Project
Sent: Monday, April 22, 2024 11:50:33 PM (UTC) Coordinated Universal Time

was read on Tuesday, April 23, 2024 4:04:59 PM (UTC) Coordinated Universal Time.

Lori Onate

From: Lori Onate
Sent: Tuesday, April 23, 2024 10:06 AM
To: PARDUE Dave * DEQ; ECKERT Dylan * DEQ; Brian.mcmullen@odot.oregon.gov; tim.doyle@odot.oregon.gov; joey@farlinebridge.com
Cc: Lori Onate; Leilani Thatcher
Subject: Site Status - Sample Analysis Data Summary - OR-99 LUST - FSE Project No. 24-04-14 - ODEQ Log No. pending
Attachments: 04-22-2024 Site Status - OR-99 LUST - FSE Project No. 24-04-14 Oakland Bridge Replacement Project.pdf

Please see attached.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

24-Hours - Toll Free: 800.447.3558

O. 541.673.9892

F. 541.673.1739

E. Email@FSEco.com

W. www.FSEco.com

When ACTION counts, count on FIRST STRIKE!

One Company - Many Services

*** DO NOT read, copy or disseminate this communication unless you are the intended addressee. This e-mail communication contains confidential and/or privileged information intended only for the addressee. If you have received this communication in error, please call us immediately at (800) 447-3558 and ask to speak to the sender of the communication. Also, please e-mail the sender and notify the sender immediately that you have received the communication in error.

Lori Onate

From: Lori Onate
Sent: Friday, April 12, 2024 12:10 PM
To: PARDUE Dave * DEQ; DOYLE Tim; MCMULLEN Brian
Cc: Lori Onate; Spencer Berlier; Leilani Thatcher
Subject: RE: Oakland Bridge Site
Attachments: DEQ LUST Report Release - Release Report Received; USTCostRecoveryAgreement.pdf

Thank you for this information, Dave.

This abandoned tank is on ODOT ROW project and was discovered and punctured during the course of project excavation.

Dylan Ekert/ODEQ Western Region Tank Manager visited the site on April 8th, 2024, and verbally approved investigation and decommissioning work. Per Dylan, a General Permit and Registration was submitted along with the \$500 fee, via Priority Mail on, April 10, 2024, on behalf of ODOT.

This morning, the LUST Reporting was submitted online via Your DEQ Online on behalf of ODOT. See attached confirmation ticket.

First Strike has scheduled the excavation of contaminated soils in the tank Pit for next Monday and Tuesday, April 15 and 16, 2024.

It is our understanding that once the signed Cost Recovery Agreement is received at the ODEQ office, the 20-day, 30-day, and reporting documentation will be reviewed to determine if further work is warranted.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

From: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Sent: Thursday, April 11, 2024 3:07 PM
To: DOYLE Tim <Tim.DOYLE@odot.oregon.gov>; MCMULLEN Brian <Brian.MCMULLEN@odot.oregon.gov>
Cc: Lori Onate <Lori@fseco.com>
Subject: Oakland Bridge Site

Hi folks-

I have received a copy of your Site Status Memo- thanks, Lori! I will be the point inspector from here on for this project and all UST Decommissions. The stockpiled soil – there is a 30-day limit on that, without a written extension.

If the tank removal is done, contents are removed, any piping found was removed and sampled along, and any dispenser locations (if identified) were sampled, then you should be clear, from the UST Program perspective, to backfill the excavation. Whether it is advisable from a contamination/cleanup perspective is up to ODOT and the LUST Program.

Disposal receipts for soil, tank, and fluids/sludge must be submitted with the checklist within 30 days from the end of fieldwork. Also please include a 20-Day Cleanup Report, since there is contamination.



Submittal Receipt

Department of Environmental Quality, State of Oregon

700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100

Create Date: 4/12/2024

Submittal Summary

Submittal ID: **16102**

Submittal: **LUST - Report Release from Regulated, Unregulated, or HOT UST System**

Submitted By: **Lori Onate**

Email: **Email@FSEco.com**

Submitted Date: **2024-04-12 09:31:19**

Form Detail

Submittal Name: **LUST - Report Release from Regulated, Unregulated, or HOT UST System**

Submission Method: **Online**

Action Type: **New**

Payment Information

There is no payment due at this time.

Certification

Certification Statement: **I, as the Responsible Officer or delegated by the Accounting Officer, declare that the information provided in this application or attached to the application is, to the best of my knowledge, in all respects factually true and correct. I am aware that the supply of false or misleading information in the application form is a criminal offence.**

Certification Question: **what is the last name of your favorite teacher?**

Certification Question Answer: *********

PIN Number: *********

IP Address: **68.116.108.6**

Responsible Official: **Lori Onate**



LUST – Report Release from Regulated, Unregulated, or HOT UST System

ID16102Submitted Date4/12/2024

Tank Type

Unregulated Underground Storage Tank

Unregulated UST Type

☒Abandoned

Incident Information

Date Submitted2024-04-12Date Discovered2024-04-09

New Facility Information

New Facility Information

ODOT OR-99 Oakland Bridge Replacement

Abbreviation

Is this facility located on Native American Lands?

No

Email

Brian.mcmullen@odot.oregon.gov

Phone

541-530-2635

Fax

Number of Employees

0

Comments

Discovery of one abandoned UST on ODOT ROW.

Mailing Address

3500 NW Stewart Pkwy, Roseburg, Douglas County, Oregon 97470-1600

Physical Location

OR-99 Oakland Shady Highway, Oakland, OR 97462 (43.424990,-123.301960)

TownshipRangeSectionSection Quarter-Quarter

 Email@FSEco.com

 800-447-3558

 541-673-1739

 256 Quarry Road, Roseburg, OR 97470

Site Assessment

Discovery:

Other

ODOT construction contractor discovered during excavation while working OR-99 Oakland Bridge Replacement Project

Cause:

Unknown

Source:

Tank

Confirmation:

Contractor

Contaminants

- ☐ Heating Oil ☐ Diesel Motor Fuel ☐ Other Pet. Dist. ☐ Unleaded Gasoline
- ☐ Waste Oil ☐ Chemical ☐ Leaded Gasoline ☐ Lubricant
- ☐ MTBE ☒ Miscellaneous Gasoline ☐ Solvent ☐ Unknown

Impacted Media

- ☐ Drinking Water ☐ Groundwater ☐ Surface Water ☒ Soil
- ☐ Vapors ☐ Free Product

Comments:

At the time of discovery, the tank was accidentally punctured during the course of project excavation by ODOT's contractor.

**E-MAILED**4/11/24
cc: Ops
AR**PRELIMINARY
TECHNICAL MEMORANDUM**

TO: Dylan Eckert / Oregon Department of Environmental Quality

COPIES: Joey Walczak / Farline Bridge, Inc.
Brian McMullen / Oregon Department of Transportation
Tim Doyle / Oregon Department of Transportation

FROM: Trevor Krueger / First Strike Environmental Co.

SUBJECT: Site Status / Request to Backfill UST Pit – Decommission and Removal
Oakland Bridge Replacement Project, 43.42499, -123.30196, Oakland, Oregon
FSE Project No. 24-04-14

DATE: April 11, 2024

This preliminary technical memorandum is to present soil disposal laboratory analytical results and request permission to backfill the tank Pit. First Strike Environmental Company (FSE) assessed and pumped contents from one abandoned underground storage tank (UST) located at Oakland-Shady Highway / Old Highway 99, Lat. / Lon. 43°25'29.964"N 123°18'7.0554"W, Oakland, Douglas County Oregon 97462. This Site is under the jurisdiction of the Oregon Department of Transportation (ODOT). ODOT is in the process of bridge replacement work and during the course of excavation work, an abandoned UST was discovered on the southern end of the project Site. FSE was contacted for the decommissioning, removal, and disposal of the UST.

On April 8, 2024, FSE and representatives with ODOT met with Dylan Eckert, UST Program Manager of the Oregon Department of Environmental Quality (ODEQ) – Western Region and discussed current site conditions. Per ODOT research, the tank is an old Shell tank and there were no archaeological concerns for the Site.

FSE assessed the UST and observed old, emulsified gasoline material contents. FSE began pumping operations for the removal of tank liquid content and transferred liquids/sludge solids into (7) seven 250-gallon totes for transport. Approximately 100-gallons of sludge solids were transferred into one of the (7) totes.

On April 9, 2024, FSE returned onsite for the collection of soil clearance samples and removal of the empty tank from the Pit. FSE collected two soil clearances samples from underneath the UST, one at each end to approximately a 9-feet depth. The empty UST was removed by ODOT's subcontractor and transported to FSE's yard pending disposal. Once the UST was removed from the Pit, FSE observed visual and odorous fuel contamination within the Pit. PID/LEL metering was ongoing to document tank interior readings and visual contamination observed at the Site. Initial excavation of the immediate areas within the Pit were excavated and temporarily stockpiled onsite. FSE collected (6) six soil disposal samples from the temporarily stockpiled excavated soils onsite, per landfill requirements. Soil disposal laboratory analytical results are under 500-ppm for



SAMPLE ANALYSIS SUMMARY
ODOT Oakland Bridge Replacement Project
FSE Project No. 24-04-14

Date	Sample I.D.	Matrix	Type	Analysis	Target Compound	Result
04/09/2024	240414-D	Temporary Stockpile	Disposal	TPH-Gx	Gasoline	213 ppm
04/09/2024	240414-D1	Temporary Stockpile	Disposal	TPH-Gx	Gasoline	321 ppm
04/09/2024	240414-D2	Temporary Stockpile	Disposal	TPH-Gx	Gasoline	357 ppm
04/09/2024	240414-D3	Temporary Stockpile	Disposal	TPH-Gx	Gasoline	444 ppm
04/09/2024	240414-D4	Temporary Stockpile	Disposal	TPH-Gx	Gasoline	251 ppm
04/09/2024	240414-D5	Temporary Stockpile	Disposal	TPH-Gx	Gasoline	219 ppm

*ppm = parts per million

**ND means not detected at or above the laboratory practical quantitation limit

See Appendix C, Analytical Laboratory Reports

Lori Onate

From: Lori Onate
Sent: Thursday, April 11, 2024 1:45 PM
To: ECKERT Dylan * DEQ; joey@farlinebridge.com; Brian.mcmullen@odot.oregon.gov; tim.doyle@odot.oregon.gov
Cc: Lori Onate; Spencer Berlier; Leilani Thatcher
Subject: Site Status - Request to Backfill - ODOT Oakland Bridge Project - FSE Project No. 24-04-14
Attachments: 04-11-2024 Site Status - Request to Backfill - FSE Project No. 24-04-14 Oakland Bridge Replacement Project.pdf

Dylan,

Please see the attached and respond at your earliest convenience. Thank you.

If you have any questions, please contact our office at (800) 447-3558.

Thank you.

Lori Onate
FIRST STRIKE ENVIRONMENTAL CO.
CCB No. 108932

24-Hours - Toll Free: 800.447.3558

O. 541.673.9892

F. 541.673.1739

E. Email@FSEco.com

W. www.FSEco.com

When ACTION counts, count on FIRST STRIKE!

One Company - Many Services

*** DO NOT read, copy or disseminate this communication unless you are the intended addressee. This e-mail communication contains confidential and/or privileged information intended only for the addressee. If you have received this communication in error, please call us immediately at (800) 447-3558 and ask to speak to the sender of the communication. Also, please e-mail the sender and notify the sender immediately that you have received the communication in error.