FIRST STRIKE ENVIRONMENTAL CO
Email@FESco.com
Website: www.FSEco.com
24-Hrs: 1-800-447-3558

P R E L I M I N A R Y

T E C H N I C A L M E M O R A N D U M

TO: Joey Walczak / Farline Bridge, Inc.

COPIES: Tim Doyle / Oregon Department of Transportation
Brian McMullen / Oregon Department of Transportation
Dylan Eckert / Oregon Department of Environmental Quality

FROM: Trevor Krueger / First Strike Environmental Co.

SUBJECT: Site Status ~ Underground Storage Tank Decommission
Oakland Bridge, 43.42499, -123.30196 Oakland, Oregon
FSE Project No. 24-04-14

DATE: April 03, 2024

This status report describes work performed by First Strike Environmental (FSE) on 04/01/24 in direct response to an Underground Storage Tank uncovered during project work completed by Farline Bridge, Inc. First Strike Environmental was contacted by Joey Walczak, General Manager of Farline Bridge, Inc. on 04/01/24 and was asked to respond to an unknown size Underground Storage Tank (UST) uncovered during excavation work at the site of the new bridge located in Oakland, Oregon. Farline Bridge, Inc. was onsite completing excavation work on the southside of the bridge, on the westside of the roadway, during installation of the new bridge at the site, when the UST was uncovered. The property is under the jurisdiction of the State of Oregon. Notification of the Underground Storage Tank was made to Oregon Department of Environmental Quality (ODEQ), (OERS 2024-pending) and Oregon Department of Transportation (ODOT). FSE collected GPS coordinates for notification to state and local agencies; Lat. / Lon. 43°25'29.964"N 123°18'7.0554"W.

FSE arrived onsite on 04/01/24 at approximately 1145 hours and assessed the site. FSE observed one Underground Storage Tank approximately 6-feet by approximately 10-feet length, full of liquid. FSE observed a light gasoline odor and what appeared to be mostly water. FSE observed the tank was located on the south side of the new bridge, on the west side of the roadway.

SCHEDULED WORK

FSE has scheduled remediation activities to begin 04/08/24. FSE will mobilize personnel, equipment and supplies to the site and begin pumping approximately 2,500-gallons of oily waters from the underground storage tank into 200-gallon totes. Oily waters will be transported to FSE's secured yard in Roseburg, Oregon for temporary storage pending disposal as non-hazardous liquids, by recycle method at Oil Re-Refining Company (ORRCO) in Portland, Oregon. Farline Bridge, Inc. has completed utility locates. FSE will begin notifications to State Historic Preservation Office (SHPO), and Tribal Offices in preparation for excavation and disposal activities.

ENVIRONMENTAL Assessment Association

FSE has scheduled 04/09/24 to remove the Underground Storage Tank from the pit and transport to FSE's yard in Roseburg, Oregon for cleaning by triple rinsing method. FSE will place used wash / rinse water into 200-gallons totes for disposal by recycle method as non-hazardous liquids to ORRCO in Portland, Oregon. FSE will temporarily stockpile oily waters at their secure facility in Roseburg, Oregon pending disposal.

FSE will assess pit where UST was held for petroleum contaminated soils. FSE will excavate petroleum contaminated soils (PCS) from the pit and transport to a double-lined temporary stockpile at FSE's secured yard in Roseburg, Oregon pending disposal. Petroleum contaminated soils will be secured onto double-lined 6ml plastic sheeting.

FSE will collect (3) each soil clearance samples; one at each end of the tank and one at the center of the tank for TPH-HCID with Gx and Dx analyses, and soil disposal samples based on number of yards of soil excavated, for TPH-HCID, BTEX, PAH, and TCLP Metals 8 per landfill requirements. All samples will be collected per ODEQ sampling rules and regulations (OAR 340-122-345). FSE will complete additional analytical upon the request of ODEQ.

FSE will backfill excavated area, upon approval from ODEQ, with like rock soil backfill materials and smooth and compact per ODOT specifications.

FSE has scheduled 04/10/24 to complete tank cleaning and transport for disposal by recycling method. FSE will ship samples for laboratory analyses.

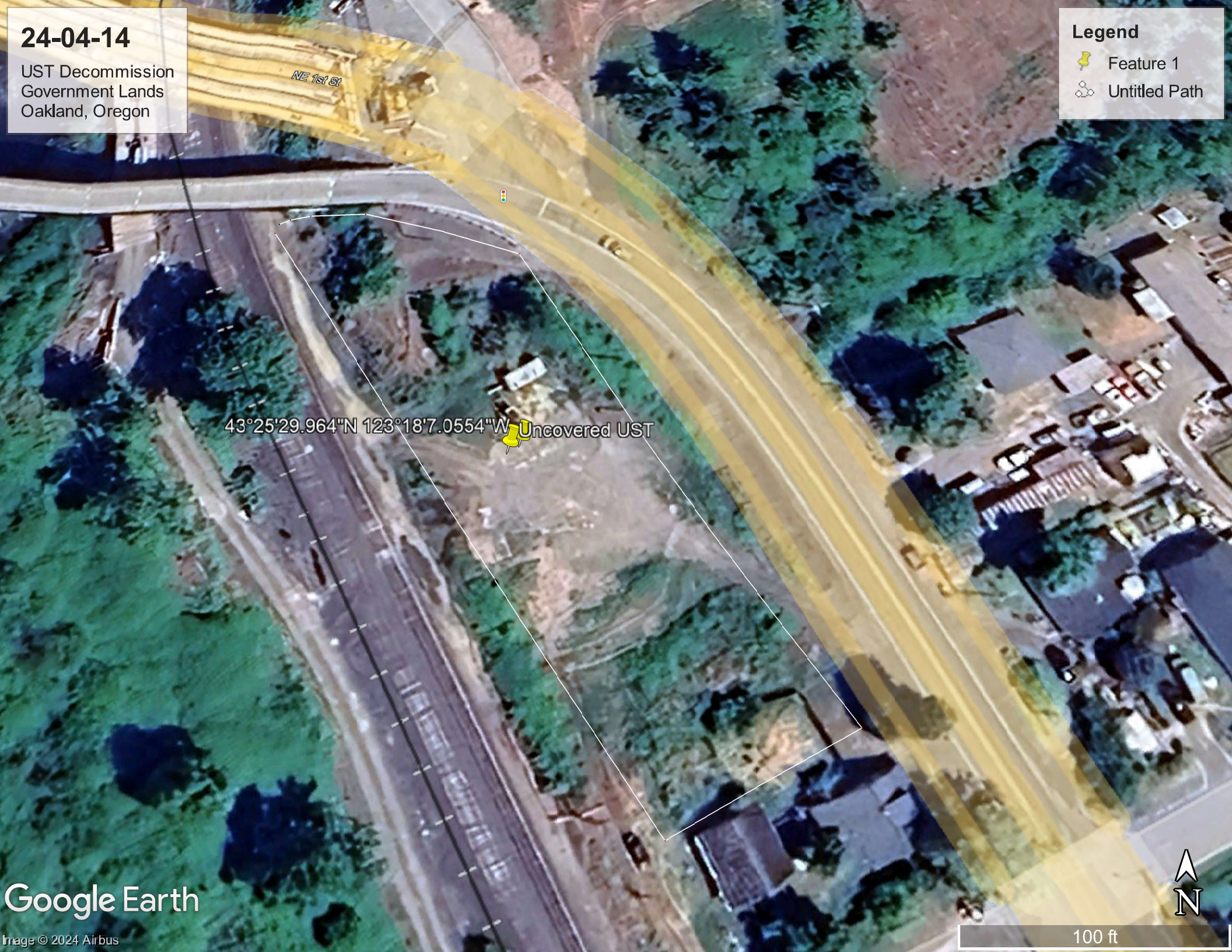
It was reported by Tim Doyle of ODOT that ODOT reported the uncovered UST to Dylan Eckert of the Oregon Department of Environmental Quality and that the site had not been given a reporting number by ODEQ yet, to Tim's knowledge. Dylan Eckert planned to be onsite, 04/08/24 and 04/09/24 during work activities. Per Tim Doyle, Mr. Eckert plans to assess the tank prior to deciding the next steps to take and completing the necessary paperwork.

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

Thank you.

FIRST STRIKE ENVIRONMENTAL CO.
CCB 108932

ENVIRONMENTAL
Assessment Association


24-04-14
UST Decommission
Government Lands
Oakland, Oregon
Legend
Feature 1
Untitled Path
NE 1st St
43°25'29.964"N 123°18'7.0554"W Uncovered UST
Google Earth
Image © 2024 Airbus
N
100 ft

FIRST STRIKE ENVIRONMENTAL CO
Email@FESco.com
Website: www.FSEco.com
24-Hrs: 1-800-447-3558

PRELIMINARY
T E C H N I C A L M E M O R A N D U M

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 anlaytical 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.

FSE completed initial cleanup/remediation work on April 15 and 16, 2024. FSE excavated and disposed of 776.77-Tons of petroleum contaminated soils (PCS) by landfill method at Douglas County Solid Waste located in Roseburg, Oregon, on April 15 and 16, 2024. FSE will prepare and submit a formal Cleanup/Remediation Report with Request of No Further Action (NFA) and submit to Jim Orr, UST Cleanup Program of the ODEQ.

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

Thank you.
FIRST STRIKE ENVIRONMENTAL CO.
CCB 108932

Enclosure: Thirty Day UST Decommission Checklist
LUST Notification
Twenty-Day UST Decommissioning Report
Analytical Summary
Site Sample Location Map
Analytical Laboratory Reports
Disposal Documentation

lo

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, Ore

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 Mandera

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 Region

Date 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 Reporting

DEQ 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/A

DEQ Solid Waste Disposal Permit #: N/A Date:

Soil Disposal or Treatment Location: Douglas County Solid Waste

E. TANK INFORMATION:

			PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER?		CLOSURE OR CHANGE-IN- SERVICE?			TANK TO BE REPLACED?	
TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRESENT	NEW	TANK REMOVAL	CLOSURE IN PLACE♦	CHANGE IN SERVICE♦	YES	NO
#1		2000			☑	☐	☐	☐	☑
#2		2000			☑	☐	☐	☐	☑
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐

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 AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
TANK ID #	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS	SLUDGES
#1	☑	☐	☐	The Steel Recyclers, Roseburg, C	1,500-gallons/ORRCo	150-gallons
#2	☑	☐	☐	The Steel Recyclers, Roseburg, C	2,105-gallons/ORRCo	
	☐	☐	☐			
	☐	☐	☐			
	☐	☐	☐			

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

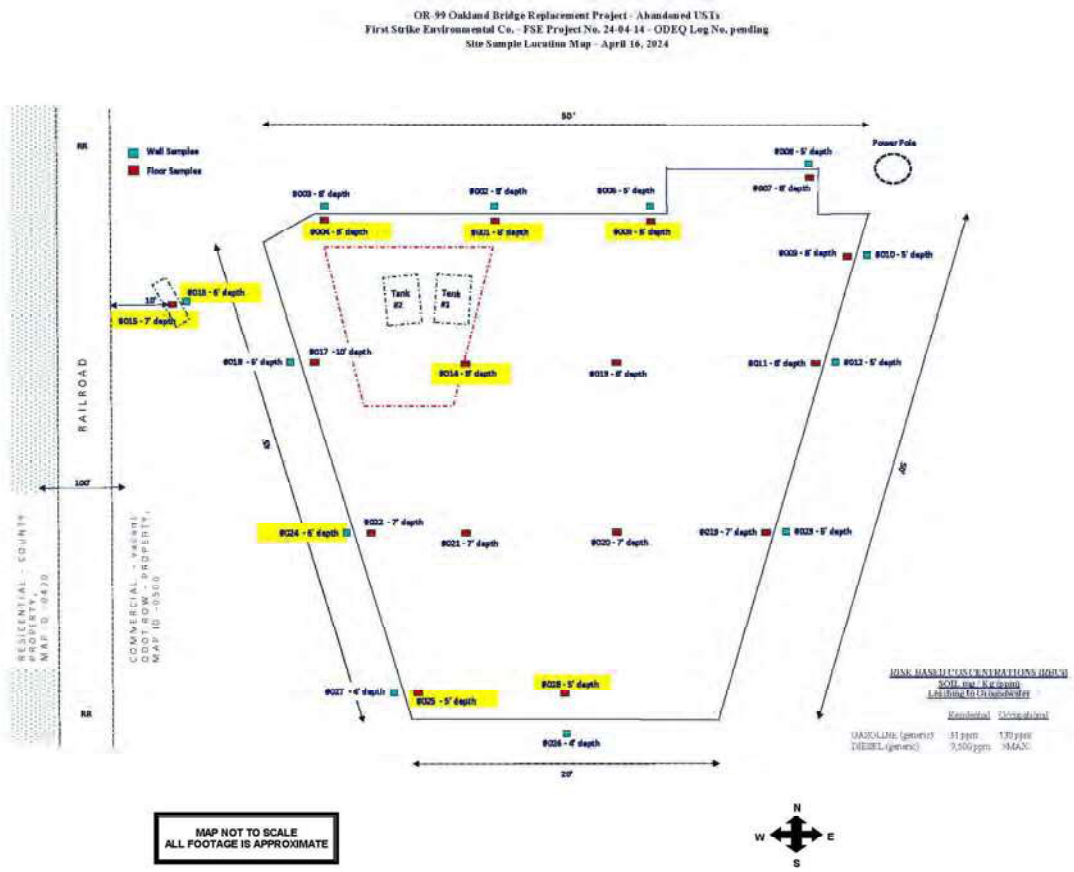
G. CONTAMINATION INFORMATION:

TANK ID #	GROUND WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY (NAME, CITY, STATE, PHONE)
#1	☐	☑	☑	28-total	APEX Labs, Tigard, Oregon
#2	☐	☑	☑	excavation	APEX Labs, Tigard, Oregon
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		

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:	Dry Chem, ABC 20lb	Recharge Date:	3/1/2024
Combustible Gas Detector:	Model:	Qrae 3, 4 gas meter	Calibration Date:	4/8/2024
Oxygen Analyzer:	Model:	Qrae 3, 4 gas meter	Calibration Date:	4/8/2024

J. DECOMMISSIONING:

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

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: _____	☐	☐	☐	☑
17. Contamination concerns fully resolved?	☐	☐	☐	☑
18. Fill Material? Type: _____	☐	☐	☐	☑

L. TANK REMOVAL:

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

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	☑	☐	☐	☐
26. Soil samples taken and analyzed?	☑	☐	☐	☐
27. Was contamination found? Date/Time: 4/9/2024	☑	☐	☐	☐
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	☑	☐	☐	☐

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: _____ 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: _____
(***Please Print***)

Licensed Supervisor: _____ Date: _____
(***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 (***Please Print***)

Executive Officer: _____ Date: _____
Licensed Service Provider (***Signature***)

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?	☐	☐	☐	☑
20. Purged or ventilated tank to prevent explosion? Method used: Water - Tanks full of water Meter reading: 0% LEL	☑	☐	☐	☐
21. Were chains or steel cables wrapped around tank for removal?	☑	☐	☐	☐
22. Tank removed, set on ground, blocked to prevent movement?	☐	☐	☐	☑
23. Tank set on truck and secured with straps(s)?	☑	☐	☐	☐
24. Tank labeled before leaving site?	☑	☐	☐	☐

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	☑	☐	☐	☐
26. Soil samples taken and analyzed?	☑	☐	☐	☐
27. Was contamination found? Date/Time: 4/9/2024	☑	☐	☐	☐
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	☑	☐	☐	☐

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 Jessica Bochart-Lensch (May 6, 2024 15:20 PDT) 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 (May 6, 2024 16:24 PDT) 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 ***(Please Print)***

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

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

FIRST STRIKE ENVIRONMENTAL CO
Email@FESco.com
Website: www.FSEco.com
24-Hrs: 1-800-447-3558

PRELIMINARY
T E C H N I C A L M E M O R A N D U M

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: ODOT 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 anlaytical 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

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

State of Oregon Department of Environmental Quality

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.

IF GROUNDWATER HAS BEEN ENCOUNTERED, PLEASE ANSWER QUESTIONS #8-13, BELOW.
IF NO WATER HAS BEEN ENCOUNTERED, PLEASE SKIP TO QUESTION #14

(8) What are the known uses of groundwater within a 500-foot radius of the release site (check √ all that apply)?

☐ non-use ☐ industrial ☐ agricultural ☐ drinking supply

(9) If groundwater in this area is being used as a drinking water supply, please check √ the type and size of population served by the supply:

☐ Community (community well used for drinking water year round – ● select only one)

size: ○ <1,000 people ○ 1,000 - 5,000 people ○ >5,000 people

☐ Intermittent use (public water used for drinking water only on a part-time basis – ● select only one)

size: ○ <50 people ○ 50 - 300 people ○ > 300 people

☐ Private wells (individual private well or wells used for drinking water – ● select only one)

size: ○ <10 people ○ 10 - 25 people ○ >25 people

(10) ☐ **Y** ☐ **N** Is there any evidence this water supply has been or is likely to be impacted from the petroleum product release? If yes, estimate how difficult it would be to replace the existing supply:

☐ bottled water is the only alternative

☐ on-site water treatment; bulk water delivery; new wells are available

☐ able to connect to existing water supply

☐ do not know what alternatives would be available

(11) ☐ **Y** ☐ **N** Are/were vapors present in on-site or nearby buildings? If yes:

A. Are you monitoring and/or mitigating any potential fire and safety hazards posed by vapors and free product? Explain: _____

B. Estimate the number of people potentially affected by vapors – ● select only one:

○ 1-2 people ○ 3-10 people ○ >10 people

(12) ☐ **Y** ☐ **N** Are vapors or is petroleum contamination present in the utility corridors?

If yes, please explain: _____

(13) ☐ **Y** ☐ **N** Are natural areas located within 1/4 mile of the site? If so, please describe types (parks, rivers, wetlands, sensitive habitats, *etc.*) and proximity: _____

(14) ☑ **Y** ☐ **N** If groundwater was not encountered in the excavation, do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site? If yes, then refer to OAR 340-122-0305 through 0360.

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.

This initial report is intended to provide the Department with the basic initial information about activities associated with the release. Future reports should provide a more detailed and complete picture of the cleanup project.

Please be aware that a DEQ permit/authorization is required for the following activities:

1) Soil aeration, bioremediation (on-site or off-site), or on-site thermal treatment.

2) Water discharges to a stream/storm drain from the excavation or treatment tank.

If these activities will be included in your cleanup project, contact the regional DEQ office for the appropriate application forms, information on permit fees and guidance documents.

THIS REPORT WAS PREPARED BY:

Individual: Nate Mandera Date: 4/25/24

Company: First Strike Environmental Company Phone: (800) 447-3558

Address: 256 Quarry Road

City: Roseburg State OR Zip 97470

1. Please return this form to the Department of Environmental Quality using Your DEQ Online LUST Project Document Submittal. For step-by-step instructions please visit https://www.oregon.gov/deq/permits/Pages/Leaking-UST-in-YDO.aspx

2. For all tanks, except heating oil tank, you must submit an *UST Decommissioning Checklist and Site Assessment Report* to the appropriate regional office within 30days of the UST decommissioning. Failure to do so can result in delays to your project and may result in continued billing for the annual tank permit fees.

3. Copies of the *LUST Cleanup Manual* and other guidance can be viewed and downloaded from the Leaking Underground Storage Tank Cleanup Guidance web page https://www.oregon.gov/deq/tanks/Pages/Cleanup-Guidance.aspx.

4. For program assistance contact the DEQ regional office https://www.oregon.gov/deq/pages/offices.aspx or email info.lust@deq.oregon.gov.

KEEP A COPY OF THIS REPORT FOR YOUR FACILITY RECORDS

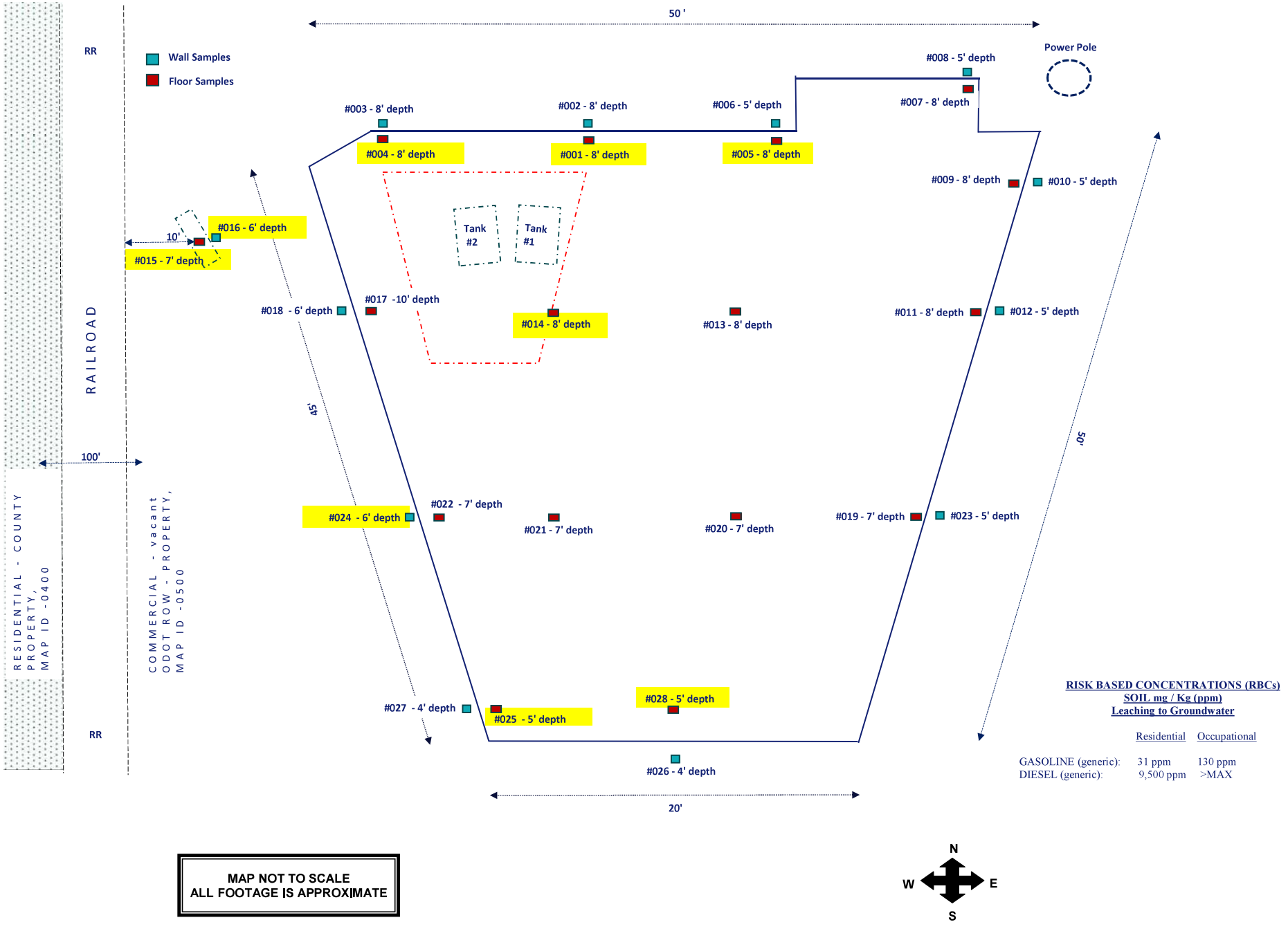
Sample Summary

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

Draft *4/25/2024*

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		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	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		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	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 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**			
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-feet west of excavation	Soil, Exploratory Wall, 6' Depth	West of Pit	Diesel Heavy Oil	**26.6 ppm** ND	**18.4 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
First Strike Environmental Co. - FSE Project No. 24-04-14 - ODEQ Log No. pending
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

N
W E
S

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

ANALYTICAL REPORT

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

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

Apex Laboratories, LLC

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

ANALYTICAL REPORT

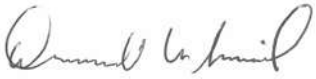
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
240414-01	A4D1053-01	Soil	04/09/24 09:00	04/09/24 13:02
240414-02	A4D1053-02	Soil	04/09/24 09:07	04/09/24 13:02

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.

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

ANALYTICAL REPORT

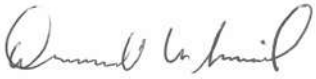
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

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.

Apex Laboratories, LLC

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

ANALYTICAL REPORT

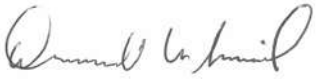
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

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
240414-01 (A4D1053-01)				**Matrix: Soil**		**Batch: 24D0397**		
Gasoline Range Organics	**11.6**	---	5.84	mg/kg dry	50	04/10/24 18:00	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*		*Limits: 50-150 %*	*1*	*04/10/24 18:00*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*93 %*	*50-150 %*	*1*	*04/10/24 18:00*	*NWTPH-Gx (MS)*	
240414-02 (A4D1053-02)				**Matrix: Soil**		**Batch: 24D0397**		
Gasoline Range Organics	**17.8**	---	5.56	mg/kg dry	50	04/10/24 18:25	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*		*Limits: 50-150 %*	*1*	*04/10/24 18:25*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*94 %*	*50-150 %*	*1*	*04/10/24 18:25*	*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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*04/10/24 18:00*	*5035A/8260D*	
Toluene-d8 (Surr)			*92 %*	*80-120 %*	*1*	*04/10/24 18:00*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*04/10/24 18:25*	*5035A/8260D*	
Toluene-d8 (Surr)			*91 %*	*80-120 %*	*1*	*04/10/24 18:25*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*04/10/24 18:25*	*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

Apex Laboratories, LLC

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

ANALYTICAL REPORT

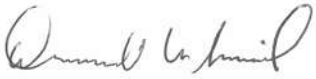
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-01 (A4D1053-01)				**Matrix: Soil**		**Batch: 24D0396**		
% Solids	**80.1**	---	1.00	%	1	04/11/24 04:53	EPA 8000D	
240414-02 (A4D1053-02)				**Matrix: Soil**		**Batch: 24D0396**		
% Solids	**80.8**	---	1.00	%	1	04/11/24 04:53	EPA 8000D	

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.

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

ANALYTICAL REPORT

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

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

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

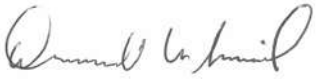
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

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 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									
NWTPH-Gx (MS)												
Gasoline Range Organics	25.2	---	5.00	mg/kg wet	50	25.0	---	101	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*99 %*	*50-150 %*		*"*							
Duplicate (24D0397-DUP1)			Prepared: 04/08/24 13:30 Analyzed: 04/10/24 20:08									
QC Source Sample: Non-SDG (A4D1031-01)												
Gasoline Range Organics	**72.5**	---	34.1	mg/kg dry	200	---	74.3	---	---	2	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 106 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*97 %*	*50-150 %*		*"*							
Duplicate (24D0397-DUP2)			Prepared: 04/04/24 11:30 Analyzed: 04/10/24 21:24									
QC Source Sample: Non-SDG (A4D0957-04)												
Gasoline Range Organics	**505**	---	123	mg/kg dry	1000	---	502	---	---	0.7	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*96 %*	*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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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									
5035A/8260D												
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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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					
Duplicate (24D0397-DUP1)			Prepared: 04/08/24 13:30 Analyzed: 04/10/24 20:08									
QC Source Sample: Non-SDG (A4D1031-01)												
Benzene	ND	---	68.2	ug/kg dry	200	---	ND	---	---	---	30%	
Toluene	ND	---	341	ug/kg dry	200	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	171	ug/kg dry	200	---	ND	---	---	---	30%	
Xylenes, total	ND	---	512	ug/kg dry	200	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	341	ug/kg dry	200	---	ND	---	---	---	30%	
Naphthalene	ND	---	682	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	341	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	171	ug/kg dry	200	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	341	ug/kg dry	200	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	341	ug/kg dry	200	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	341	ug/kg dry	200	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*92 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*		*"*					
Duplicate (24D0397-DUP2)			Prepared: 04/04/24 11:30 Analyzed: 04/10/24 21:24									
QC Source Sample: Non-SDG (A4D0957-04)												
Benzene	ND	---	247	ug/kg dry	1000	---	ND	---	---	---	30%	
Toluene	ND	---	1230	ug/kg dry	1000	---	ND	---	---	---	30%	
Ethylbenzene	**728**	---	617	ug/kg dry	1000	---	716	---	---	2	30%	
Xylenes, total	ND	---	1850	ug/kg dry	1000	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	1230	ug/kg dry	1000	---	ND	---	---	---	30%	
Naphthalene	ND	---	2470	ug/kg dry	1000	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	1230	ug/kg dry	1000	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	617	ug/kg dry	1000	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	1230	ug/kg dry	1000	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**15500**	---	1230	ug/kg dry	1000	---	15100	---	---	3	30%	
1,3,5-Trimethylbenzene	**4960**	---	1230	ug/kg dry	1000	---	4740	---	---	5	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*94 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*100 %*		*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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

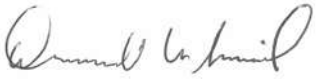
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

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-DUP1)			Prepared: 04/10/24 09:04			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1064-01)												
% Solids	**91.0**	---	1.00	%	1	---	90.8	---	---	0.2	10%	
Duplicate (24D0396-DUP2)			Prepared: 04/10/24 09:04			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1064-02)												
% Solids	**90.7**	---	1.00	%	1	---	90.5	---	---	0.2	10%	
Duplicate (24D0396-DUP3)			Prepared: 04/10/24 09:04			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1064-03)												
% Solids	**93.8**	---	1.00	%	1	---	93.9	---	---	0.07	10%	
Duplicate (24D0396-DUP4)			Prepared: 04/10/24 09:04			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1064-04)												
% Solids	**91.7**	---	1.00	%	1	---	92.6	---	---	0.9	10%	
Duplicate (24D0396-DUP5)			Prepared: 04/10/24 09:04			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1064-05)												
% Solids	**93.9**	---	1.00	%	1	---	93.8	---	---	0.2	10%	
Duplicate (24D0396-DUP6)			Prepared: 04/10/24 09:04			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1064-06)												
% Solids	**90.2**	---	1.00	%	1	---	89.9	---	---	0.2	10%	
Duplicate (24D0396-DUP7)			Prepared: 04/10/24 09:04			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1076-01)												
% Solids	**75.5**	---	1.00	%	1	---	75.3	---	---	0.2	10%	
Duplicate (24D0396-DUP8)			Prepared: 04/10/24 18:34			Analyzed: 04/11/24 04:53						
QC Source Sample: Non-SDG (A4D1127-01)												
% Solids	**76.9**	---	1.00	%	1	---	76.6	---	---	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.

Apex Laboratories, LLC

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

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: 24D0473							
A4D1053-01	Soil	NWTPH-Dx	04/09/24 09:00	04/12/24 17:58	11.66g/5mL	10g/5mL	0.86
A4D1053-02	Soil	NWTPH-Dx	04/09/24 09:07	04/12/24 17:58	11.72g/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: 24D0397							
A4D1053-01	Soil	NWTPH-Gx (MS)	04/09/24 09:00	04/09/24 09:00	6.79g/5mL	5g/5mL	0.74
A4D1053-02	Soil	NWTPH-Gx (MS)	04/09/24 09:07	04/09/24 09:07	7.07g/5mL	5g/5mL	0.71

Selected Volatile Organic Compounds by EPA 5035A/8260D

Prep: EPA 5035A

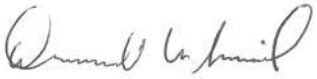
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0397							
A4D1053-01	Soil	5035A/8260D	04/09/24 09:00	04/09/24 09:00	6.79g/5mL	5g/5mL	0.74
A4D1053-02	Soil	5035A/8260D	04/09/24 09:07	04/09/24 09:07	7.07g/5mL	5g/5mL	0.71

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: 24D0396							
A4D1053-01	Soil	EPA 8000D	04/09/24 09:00	04/10/24 09:04			NA
A4D1053-02	Soil	EPA 8000D	04/09/24 09:07	04/10/24 09:04			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.

Apex Laboratories, LLC

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

ANALYTICAL REPORT

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

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

Apex Laboratories, LLC

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

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.

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

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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 ½ the Reporting Limit (RL).

-For Blank hits falling between ½ 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 concentraton 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, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

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.

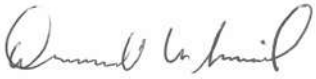
Subcontract Laboratory Accreditations

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



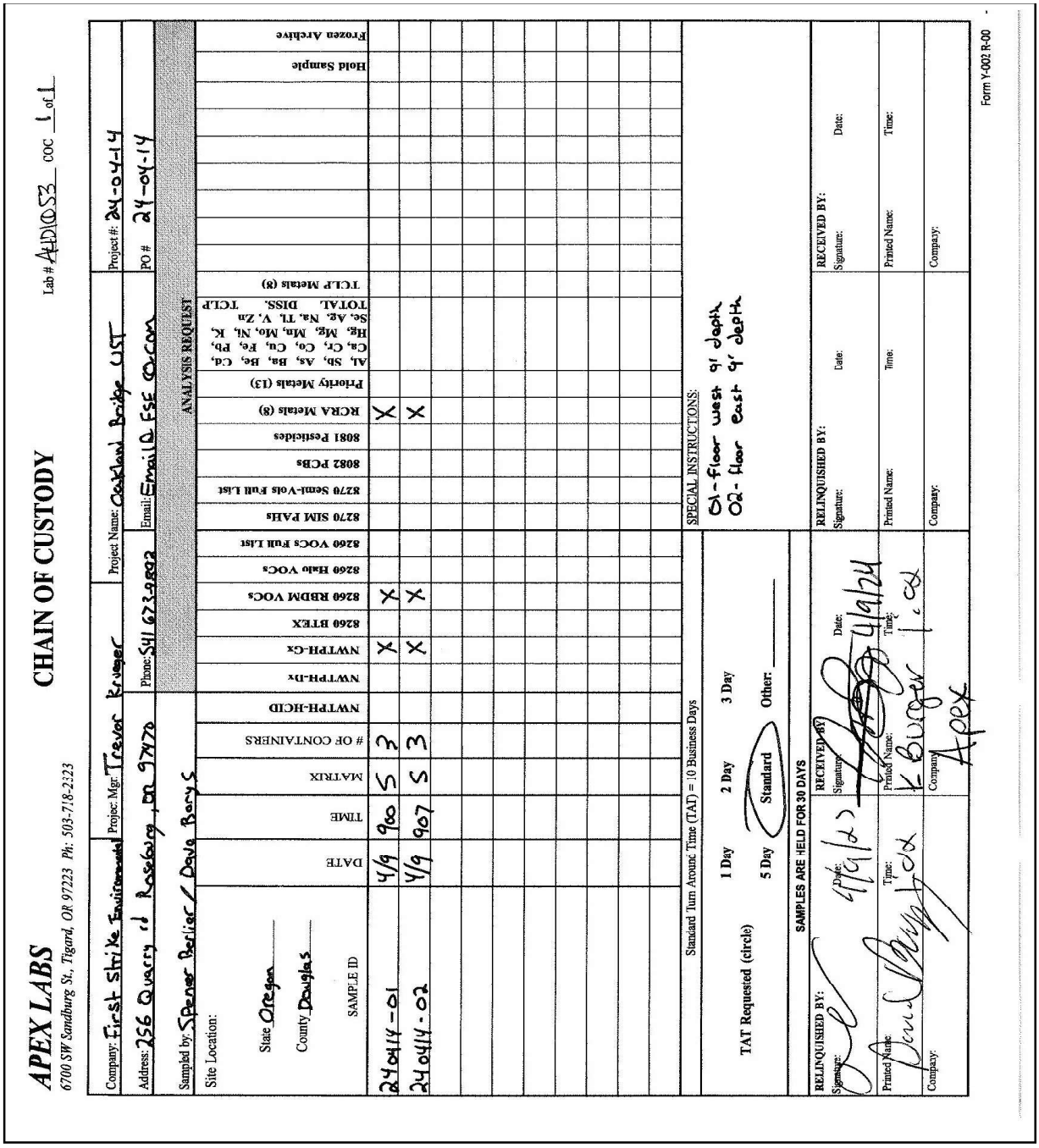
Darrell Auvil, Client Services Manager

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**



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

CHAIN OF CUSTODY

Lab # A4D1053 COC 1 of 1

Company: First Strike Environmental | Projec Mgr: Trevor Krueger | Project Name: Oakland Bridge UST | Project #: 24-04-14
Address: 256 Quarry rd Roseburg, OR 97470 | Phone: 541 673-2802 | Email: Email@ FSE.com | PO # 24-04-14
Sampled by: Spencer Berliar / Dave Borys

Site Location: State Oregon County Douglas

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K Se, Ag, Na, Tl, V, Zn TOTAL DISS.	TCLP Metals (8)	Hold Sample	Frozen Archive
240414-01	4/9	900	S	3			X		X							X					
240414-02	4/9	907	S	3			X		X							X					

Standard Turn Around Time (TAT) = 10 Business Days
TAT Requested (circle): 1 Day 2 Day 3 Day 5 Day Standard Other: _____
SAMPLES ARE HELD FOR 30 DAYS

SPECIAL INSTRUCTIONS:
01 - floor west 9' depth
02 - floor east 9' depth

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 4/9/24	Date: 4/9/24	Date:	Date:
Time: 1700	Time: 1700	Time:	Time:
Printed Name: Dave Borys	Printed Name: K Krueger	Printed Name:	Printed Name:
Company: Apex	Company: Apex	Company:	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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**

APEX LABS COOLER RECEIPT FORM

Client: First Strike Element WO#: A4D1053

Project/Project #: Oakland Bridge UST 24-04-14 arrc for kab 4/19/24

Delivery Info:

Date/time received: 4/19/24 @ 1302 By: KAB

Delivered by: Apex__Client X ESS__FedEx__UPS__Radio__Morgan__SDS__Evergreen__Other__

From USDA Regulated Origin? Yes_____ No X

Cooler Inspection Date/time inspected: 4/19/24 @ 1305 By: KAB

Chain of Custody included? Yes X No_____

Signed/dated by client? Yes X No_____

Contains USDA Reg. Soils? Yes_____ No X Unsure (email RegSoils) _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	5.6						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	IN						

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: 4/19/24 @ 1314 By: KAB

All samples intact? Yes X No___ Comments:_____

Bottle labels/COCs agree? Yes X No___ Comments:_____

COC/container discrepancies form initiated? Yes___ No X

Containers/volumes received appropriate for analysis? Yes X No___ Comments:_____

Do VOA vials have visible headspace? Yes___ No___ NA X

Comments_____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X pH ID:_____

Comments:_____

Labeled by: KAB Witness: ZAM Cooler Inspected by: KAB

Form Y-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

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

ANALYTICAL REPORT

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

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

Apex Laboratories, LLC

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
240414-001	A4D1314-01	Soil	04/15/24 09:02	04/17/24 11:00
240414-002	A4D1314-02	Soil	04/15/24 09:05	04/17/24 11:00
240414-003	A4D1314-03	Soil	04/15/24 09:28	04/17/24 11:00
240414-004	A4D1314-04	Soil	04/15/24 09:34	04/17/24 11:00
240414-005	A4D1314-05	Soil	04/15/24 11:27	04/17/24 11:00
240414-006	A4D1314-06	Soil	04/15/24 11:30	04/17/24 11:00
240414-007	A4D1314-07	Soil	04/15/24 13:51	04/17/24 11:00
240414-008	A4D1314-08	Soil	04/15/24 13:54	04/17/24 11:00
240414-009	A4D1314-09	Soil	04/15/24 14:08	04/17/24 11:00
240414-010	A4D1314-10	Soil	04/15/24 14:12	04/17/24 11:00

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

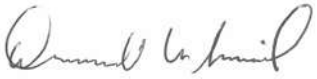
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

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
240414-008 (A4D1314-08)				**Matrix: Soil**		**Batch: 24D0632**		
Diesel	ND	---	21.8	mg/kg dry	1	04/18/24 00:14	NWTPH-Dx	
Oil	ND	---	43.5	mg/kg dry	1	04/18/24 00:14	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 84 %*		*Limits: 50-150 %*	*1*	*04/18/24 00:14*	*NWTPH-Dx*	
240414-009 (A4D1314-09)				**Matrix: Soil**		**Batch: 24D0632**		
Diesel	ND	---	22.1	mg/kg dry	1	04/18/24 00:37	NWTPH-Dx	
Oil	ND	---	44.2	mg/kg dry	1	04/18/24 00:37	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 75 %*		*Limits: 50-150 %*	*1*	*04/18/24 00:37*	*NWTPH-Dx*	
240414-010 (A4D1314-10)				**Matrix: Soil**		**Batch: 24D0632**		
Diesel	ND	---	20.8	mg/kg dry	1	04/18/24 01:01	NWTPH-Dx	
Oil	ND	---	41.6	mg/kg dry	1	04/18/24 01:01	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 76 %*		*Limits: 50-150 %*	*1*	*04/18/24 01:01*	*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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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
240414-008 (A4D1314-08)				**Matrix: Soil**		**Batch: 24D0677**		
Gasoline Range Organics	ND	---	6.88	mg/kg dry	50	04/18/24 14:52	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*04/18/24 14:52*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*04/18/24 14:52*	*NWTPH-Gx (MS)*	
240414-009 (A4D1314-09)				**Matrix: Soil**		**Batch: 24D0677**		
Gasoline Range Organics	ND	---	7.14	mg/kg dry	50	04/18/24 15:19	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*98 %*	*Limits: 50-150 %*	*1*	*04/18/24 15:19*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*04/18/24 15:19*	*NWTPH-Gx (MS)*	
240414-010 (A4D1314-10)				**Matrix: Soil**		**Batch: 24D0677**		
Gasoline Range Organics	ND	---	6.05	mg/kg dry	50	04/18/24 15:46	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*101 %*	*Limits: 50-150 %*	*1*	*04/18/24 15:46*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*106 %*	*50-150 %*	*1*	*04/18/24 15:46*	*NWTPH-Gx (MS)*	

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 94 %*	*Limits: 80-120 %*	*1*	*04/18/24 11:13*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/18/24 11:13*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 93 %*	*Limits: 80-120 %*	*1*	*04/18/24 13:03*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/18/24 13:03*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*04/18/24 13:03*	*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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

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
240414-005 (A4D1314-05)				**Matrix: Soil**		**Batch: 24D0677**		**V-16**
Benzene	ND	---	13.3	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
Toluene	ND	---	66.7	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
Ethylbenzene	ND	---	33.3	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
Xylenes, total	ND	---	100	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	66.7	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
Naphthalene	ND	---	133	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	66.7	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	33.3	ug/kg dry	50	04/18/24 13:30	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*94 %*	*Limits: 80-120 %*	*1*	*04/18/24 13:30*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/18/24 13:30*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*04/18/24 13:30*	*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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

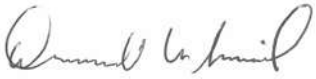
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-004 (A4D1314-04)				**Matrix: Soil**		**Batch: 24D0878**		
Naphthalene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Phenanthrene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Pyrene	ND	---	10.3	ug/kg dry	1	04/24/24 17:01	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*60 %*	*Limits: 44-120 %*	*1*	*04/24/24 17:01*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*61 %*	*54-127 %*	*1*	*04/24/24 17:01*	*EPA 8270E SIM*	
240414-005 (A4D1314-05)				**Matrix: Soil**		**Batch: 24D0878**		
Acenaphthene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Acenaphthylene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Anthracene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Benz(a)anthracene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Chrysene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Fluoranthene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Fluorene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Naphthalene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Phenanthrene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Pyrene	ND	---	11.3	ug/kg dry	1	04/24/24 17:27	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*70 %*	*Limits: 44-120 %*	*1*	*04/24/24 17:27*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*74 %*	*54-127 %*	*1*	*04/24/24 17:27*	*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.

Apex Laboratories, LLC

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

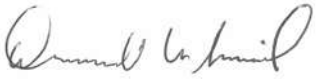
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
240414-001 (A4D1314-01)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**84.3**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-002 (A4D1314-02)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**86.0**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-003 (A4D1314-03)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**80.8**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-004 (A4D1314-04)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**82.5**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-005 (A4D1314-05)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**79.6**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-006 (A4D1314-06)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**80.6**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-007 (A4D1314-07)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**86.8**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-008 (A4D1314-08)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**82.8**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-009 (A4D1314-09)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**81.4**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	
240414-010 (A4D1314-10)				**Matrix: Soil**		**Batch: 24D0633**		
% Solids	**83.1**	---	1.00	%	1	04/18/24 06:07	EPA 8000D	

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.

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

ANALYTICAL REPORT

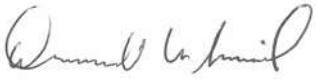
First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1314 - 04 30 24 1731

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

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 24D0677 - EPA 5035A								Soil				
Blank (24D0677-BLK1)			Prepared: 04/18/24 08:42		Analyzed: 04/18/24 10:46							
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)		*104 %*	*50-150 %*		*"*							
LCS (24D0677-BS2)			Prepared: 04/18/24 08:42		Analyzed: 04/18/24 10:19							
NWTPH-Gx (MS)												
Gasoline Range Organics	25.7	---	5.00	mg/kg wet	50	25.0	---	103	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 94 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*103 %*	*50-150 %*		*"*							
Duplicate (24D0677-DUP1)			Prepared: 04/17/24 12:00		Analyzed: 04/18/24 11:41							V-16
QC Source Sample: 240414-001 (A4D1314-01)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	6.58	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*105 %*	*50-150 %*		*"*							
Duplicate (24D0677-DUP2)			Prepared: 04/15/24 13:00		Analyzed: 04/18/24 19:25							
QC Source Sample: Non-SDG (A4D1247-01)												
Gasoline Range Organics	**40.1**	---	6.42	mg/kg dry	50	---	44.8	---	---	11	30%	F-09
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*100 %*	*50-150 %*		*"*							

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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									**V-16**
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

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

ANALYTICAL REPORT

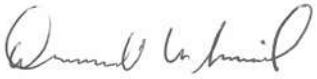
First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1314 - 04 30 24 1731

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**
Duplicate (24D0677-DUP2)			Prepared: 04/15/24 13:00 Analyzed: 04/18/24 19:25									
QC Source Sample: Non-SDG (A4D1247-01)												
Toluene	ND	---	64.2	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	32.1	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	96.3	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				
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%	---	---	
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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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					
Duplicate (24D0677-DUP1)			Prepared: 04/17/24 12:00 Analyzed: 04/18/24 11:41									V-16
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%	
Methyl tert-butyl ether (MTBE)	ND	---	65.8	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	132	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	65.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	32.9	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	65.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	65.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	65.8	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%	
Toluene	ND	---	64.2	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	32.1	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	96.3	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	64.2	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	128	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	64.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	32.1	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	64.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**184**	---	64.2	ug/kg dry	50	---	179	---	---	3	30%	
1,3,5-Trimethylbenzene	ND	---	64.2	ug/kg dry	50	---	50.1	---	---	***	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*96 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*100 %*	*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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

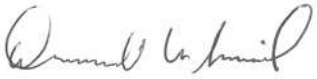
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

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					
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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

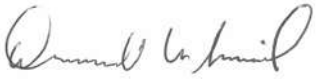
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1314 - 04 30 24 1731

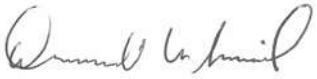
QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0633 - Total Solids (Dry Weight) - 2022								Soil				
Duplicate (24D0633-DUP1)			Prepared: 04/17/24 09:58		Analyzed: 04/18/24 06:07							
QC Source Sample: Non-SDG (A4D1260-01)												
% Solids	**82.5**	---	1.00	%	1	---	83.0	---	---	0.6	10%	
Duplicate (24D0633-DUP2)			Prepared: 04/17/24 09:58		Analyzed: 04/18/24 06:07							
QC Source Sample: Non-SDG (A4D1260-02)												
% Solids	**75.6**	---	1.00	%	1	---	75.5	---	---	0.1	10%	
Duplicate (24D0633-DUP3)			Prepared: 04/17/24 09:58		Analyzed: 04/18/24 06:07							
QC Source Sample: Non-SDG (A4D1260-03)												
% Solids	**81.2**	---	1.00	%	1	---	81.2	---	---	0.08	10%	
Duplicate (24D0633-DUP4)			Prepared: 04/17/24 12:32		Analyzed: 04/18/24 06:07							
QC Source Sample: 240414-001 (A4D1314-01)												
EPA 8000D												
% Solids	**84.3**	---	1.00	%	1	---	84.3	---	---	0.05	10%	
Duplicate (24D0633-DUP5)			Prepared: 04/17/24 18:41		Analyzed: 04/18/24 06:07							
QC Source Sample: Non-SDG (A4D1324-01)												
% Solids	**94.2**	---	1.00	%	1	---	93.3	---	---	1	10%	
Duplicate (24D0633-DUP6)			Prepared: 04/17/24 18:41		Analyzed: 04/18/24 06:07							
QC Source Sample: Non-SDG (A4D1344-01)												
% Solids	**76.1**	---	1.00	%	1	---	76.2	---	---	0.06	10%	
Duplicate (24D0633-DUP7)			Prepared: 04/17/24 18:41		Analyzed: 04/18/24 06:07							
QC Source Sample: Non-SDG (A4D1351-05)												
% Solids	**73.3**	---	1.00	%	1	---	72.0	---	---	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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

SAMPLE PREPARATION INFORMATION

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
Batch: 24D0677							
A4D1314-05	Soil	5035A/8260D	04/15/24 11:27	04/17/24 12:00	5.83g/5mL	5g/5mL	0.86

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
Batch: 24D0878							
A4D1314-01	Soil	EPA 8270E SIM	04/15/24 09:02	04/24/24 10:23	11.03g/5mL	10g/5mL	0.91
A4D1314-04	Soil	EPA 8270E SIM	04/15/24 09:34	04/24/24 10:23	11.73g/5mL	10g/5mL	0.85
A4D1314-05	Soil	EPA 8270E SIM	04/15/24 11:27	04/24/24 10:23	11.15g/5mL	10g/5mL	0.90

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

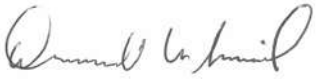
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D1036							
A4D1314-05	Soil	EPA 6020B	04/15/24 11:27	04/26/24 13:55	0.482g/50mL	0.5g/50mL	1.04

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: 24D0633							
A4D1314-01	Soil	EPA 8000D	04/15/24 09:02	04/17/24 12:32			NA
A4D1314-02	Soil	EPA 8000D	04/15/24 09:05	04/17/24 12:32			NA
A4D1314-03	Soil	EPA 8000D	04/15/24 09:28	04/17/24 12:32			NA
A4D1314-04	Soil	EPA 8000D	04/15/24 09:34	04/17/24 12:32			NA
A4D1314-05	Soil	EPA 8000D	04/15/24 11:27	04/17/24 12:32			NA
A4D1314-06	Soil	EPA 8000D	04/15/24 11:30	04/17/24 12:32			NA
A4D1314-07	Soil	EPA 8000D	04/15/24 13:51	04/17/24 12:32			NA
A4D1314-08	Soil	EPA 8000D	04/15/24 13:54	04/17/24 12:32			NA
A4D1314-09	Soil	EPA 8000D	04/15/24 14:08	04/17/24 12:32			NA
A4D1314-10	Soil	EPA 8000D	04/15/24 14:12	04/17/24 12:32			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.

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

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

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

Apex Laboratories, LLC

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

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.

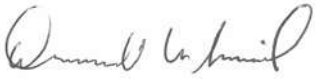
Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

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.

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

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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 ½ the Reporting Limit (RL).

-For Blank hits falling between ½ 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:

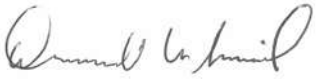
Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) 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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

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.

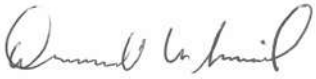
Subcontract Laboratory Accreditations

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



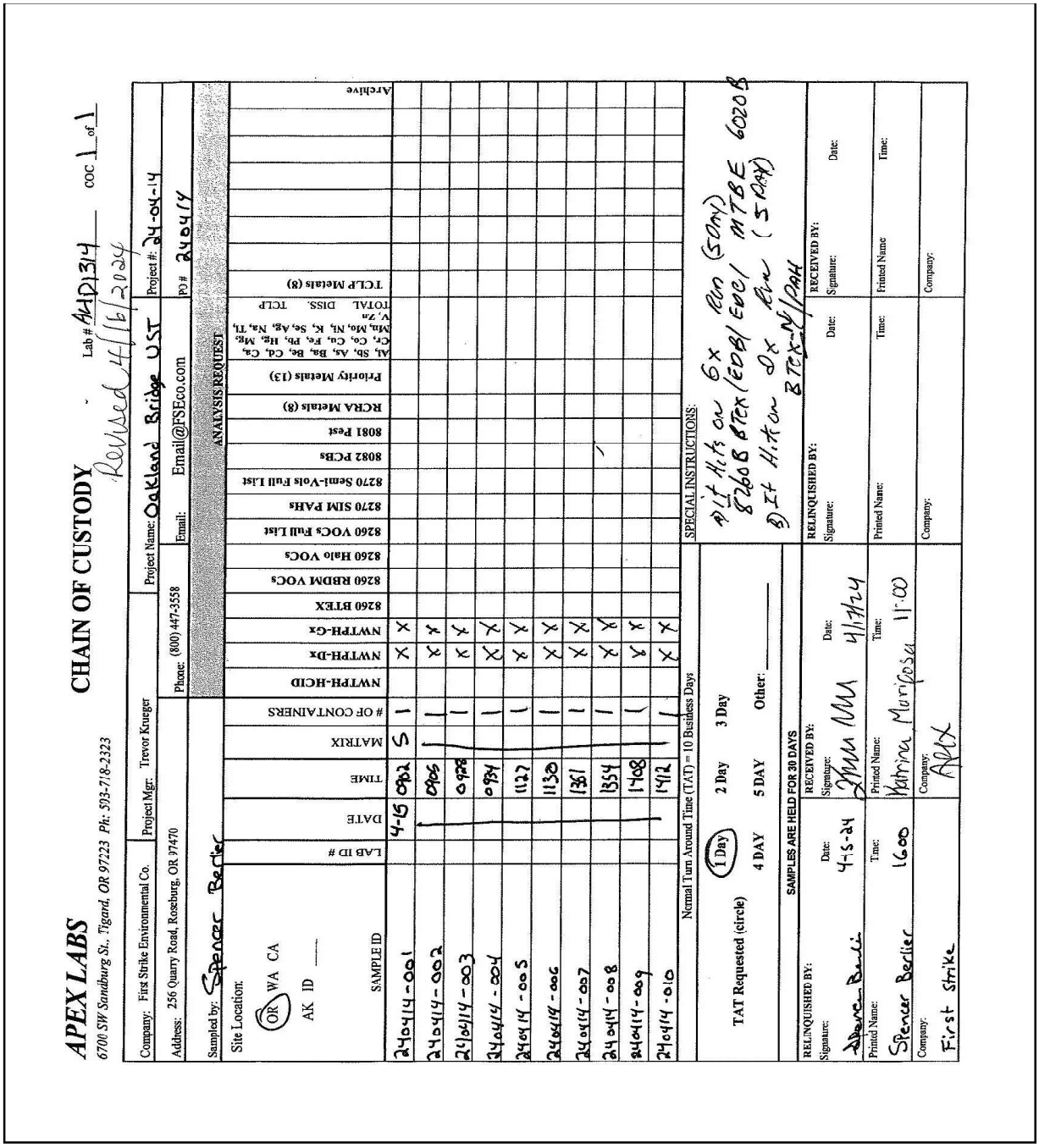
Darrell Auvil, Client Services Manager

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**



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

CHAIN OF CUSTODY (Revised 4/16/2024) Lab # A4D1314 COC 1 of 1

Company: First Strike Environmental Co. | Project Mgr: Trevor Krueger | Project Name: Oakland Bridge UST | Project #: 24-04-14
Address: 256 Quarry Road, Roseburg, OR 97470 | Phone: (800) 447-3558 | Email: Email@FSEco.com | PO # 240414
Sampled by: Spencer Beckler

Site Location: (OR) WA CA AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM 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, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
240414-001		4-15	0902	S	1		X	X	X											
240414-002			0906		1		X	X	X											
240414-003			0928		1		X	X	X											
240414-004			0934		1		X	X	X											
240414-005			1127		1		X	X	X											
240414-006			1130		1		X	X	X											
240414-007			1351		1		X	X	X											
240414-008			1354		1		X	X	X											
240414-009			1408		1		X	X	X											
240414-010			1412		1		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: ____

SPECIAL INSTRUCTIONS:
All Hits on 6x aliquots (SOM) 8260B BTEX/EDB/EDC/MTBE 6020B
8) Et Hits on 8x aliquots (SOM) BTEX-NP/PAH

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 4-15-24	Date: 4/17/24	Date:	Date:
Printed Name: Spencer Beckler	Printed Name: Katrina Mariposa	Printed Name:	Printed Name
Time: 1600	Time: 11:00	Time:	Time:
Company: First Strike	Company: APEX	Company:	Company:

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**

APEX LABS COOLER RECEIPT FORM

Client: First Strike Environmental Co. Element WO#: A4D1314

Project/Project #: Oakland Bridge UST / 24-04-14

Delivery Info:

Date/time received: 4/17/24 @ 11:00 By: KAM

Delivered by: Apex__Client__ESS___FedEx__UPS_X_Radio___Morgan ___SDS___Evergreen___Other ___

From USDA Regulated Origin? Yes _____ No X

Cooler Inspection Date/time inspected: 4/17/24 @ 11:00 By: KAM

Chain of Custody included? Yes X No _____

Signed/dated by client? Yes X No _____

Contains USDA Reg. Soils? Yes _____ No X Unsure (email RegSoils) _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	3.4						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	In						

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: 4/17/24 @ 11:12 By: KAM

All samples intact? Yes X No ___ Comments: _____

Bottle labels/COCs agree? Yes X No ___ Comments: _____

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: _____

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments _____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X pH ID:_____

Comments: _____

1Z G1R 8A1 01 9977 1362

Labeled by: KAM Witness: KAB Cooler Inspected by: KAM

Form Y-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

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

ANALYTICAL REPORT

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
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 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

Apex Laboratories, LLC

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

ANALYTICAL REPORT

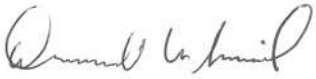
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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



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.

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

ANALYTICAL REPORT

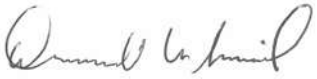
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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



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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

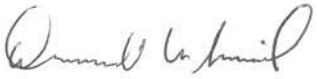
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

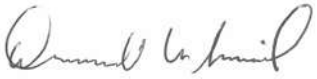
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*93 %*	*Limits: 80-120 %*	*1*	*04/19/24 02:14*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*04/19/24 02:14*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*04/19/24 02:14*	*5035A/8260D*	
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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*91 %*	*Limits: 80-120 %*	*1*	*04/19/24 07:14*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/19/24 07:14*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*	*1*	*04/19/24 07:14*	*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

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

ANALYTICAL REPORT

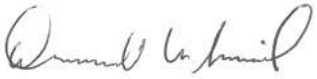
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*92 %*	*Limits: 80-120 %*	*1*	*04/19/24 01:47*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/19/24 01:47*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*91 %*	*Limits: 80-120 %*	*1*	*04/19/24 02:41*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/19/24 02:41*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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



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.

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

ANALYTICAL REPORT

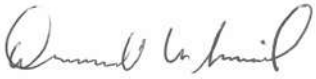
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

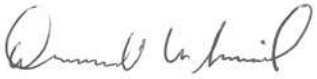
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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



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.

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

ANALYTICAL REPORT

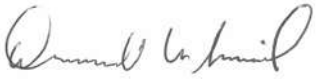
First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1356 - 05 03 24 1519

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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							
NWTPH-Gx (MS)												
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							
NWTPH-Gx (MS)												
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							
QC Source Sample: 240414-011 (A4D1356-01)												
NWTPH-Gx (MS)												
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							
QC Source Sample: 240414-025 (A4D1356-15)												
NWTPH-Gx (MS)												
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

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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									
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:*	*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**
5035A/8260D												
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									
QC Source Sample: 240414-011 (A4D1356-01)												
5035A/8260D												
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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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									
QC Source Sample: 240414-025 (A4D1356-15)												
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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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							
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	---	---	---	---	---	---	
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**
5035A/8260D												
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							
QC Source Sample: 240414-011 (A4D1356-01)												
5035A/8260D												
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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

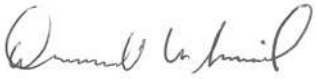
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

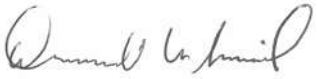
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

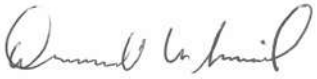
First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1356 - 05 03 24 1519

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



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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

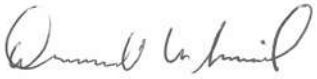
QUALITY CONTROL (QC) SAMPLE RESULTS

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							
QC Source Sample: Non-SDG (A4D1318-01)												
% 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							
QC Source Sample: Non-SDG (A4D1318-02)												
% 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							
QC Source Sample: 240414-011 (A4D1356-01)												
EPA 8000D												
% 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							
QC Source Sample: 240414-028 (A4D1356-18)												
EPA 8000D												
% 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							
QC Source Sample: Non-SDG (A4D1388-01)												
% 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							
QC Source Sample: Non-SDG (A4D1393-02)												
% 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.

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

ANALYTICAL REPORT

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

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

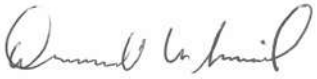
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0710							
A4D1356-01	Soil	NWTPH-Dx	04/16/24 09:53	04/18/24 12:12	11.01g/5mL	10g/5mL	0.91
A4D1356-02	Soil	NWTPH-Dx	04/16/24 09:59	04/18/24 12:12	11.28g/5mL	10g/5mL	0.89
A4D1356-03	Soil	NWTPH-Dx	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



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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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
Batch: 24D0713							
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

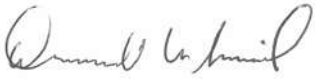
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0713							
A4D1356-04	Soil	5035A/8260D	04/16/24 11:22	04/16/24 11:22	6.14g/5mL	5g/5mL	0.81
A4D1356-06	Soil	5035A/8260D	04/16/24 12:02	04/16/24 12:02	5.32g/5mL	5g/5mL	0.94
A4D1356-15	Soil	5035A/8260D	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
Batch: 24D0878							
A4D1356-05	Soil	EPA 8270E SIM	04/16/24 11:56	04/24/24 10:23	11.75g/5mL	10g/5mL	0.85
Batch: 24D1001							
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



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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

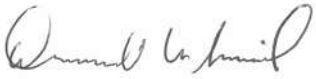
QUALIFIER DEFINITIONS

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



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.

Apex Laboratories, LLC

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

ANALYTICAL REPORT

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

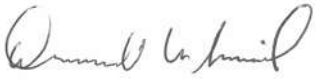
Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

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 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.

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

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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 ½ the Reporting Limit (RL).

-For Blank hits falling between ½ 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:

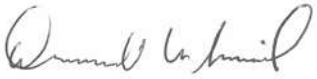
Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) 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.

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

ANALYTICAL REPORT

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

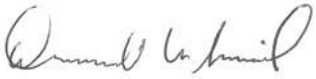
Subcontract Laboratory Accreditations

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



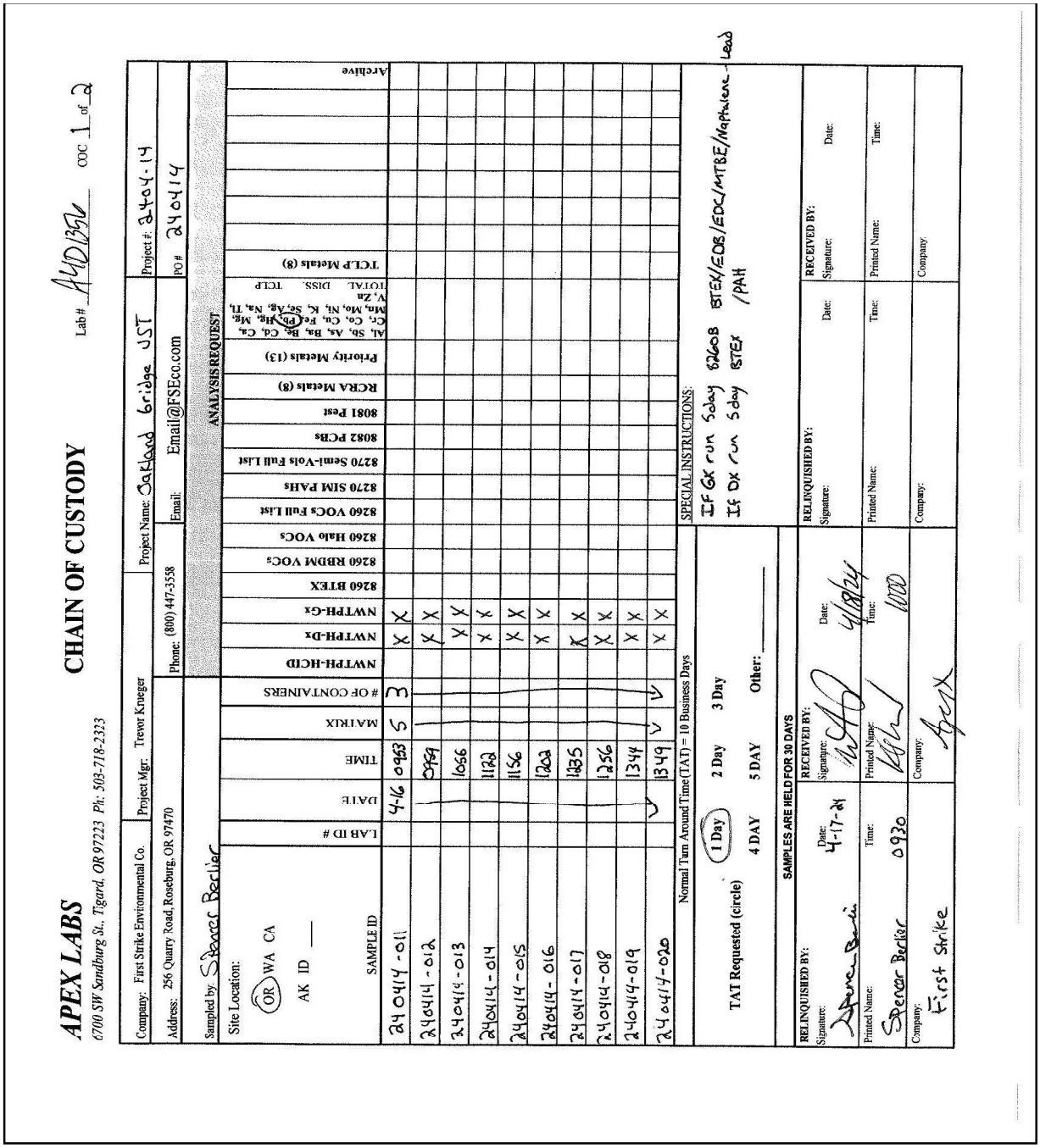
Darrell Auvil, Client Services Manager

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.

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

ANALYTICAL REPORT

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



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

CHAIN OF CUSTODY

Lab # A4D1356 COC 1 of 2

Company: First Strike Environmental Co. | Project Mgr: Trevor Krueger | Project Name: Oakland Bridge UST | Project #: 24-04-14
Address: 256 Quarry Road, Roseburg, OR 97470 | Phone: (800) 447-3558 | Email: Email@FSEco.com | PO # 240414
Sampled by: Spencer Beckler

Site Location: (OR) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM 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, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
240414-011		4-16	0953	S	3		X	X												
240414-012			0959				X	X												
240414-013			1056				X	X												
240414-014			1123				X	X												
240414-015			1156				X	X												
240414-016			1203				X	X												
240414-017			1235				X	X												
240414-018			1256				X	X												
240414-019			1344				X	X												
240414-020		V	1349	V	V		X	X												

Normal Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS:
If GX run 5day 8260B BTEX/EDB/EDC/MTBE/Naphthalene Lead
If DX run 5day BTEX /PAH

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:		RELINQUISHED BY:	RECEIVED BY:	
Signature:	Signature:	Date:	Signature: Date:	Signature: Date:	
Printed Name: Spencer Beckler	Printed Name:	Time:	Printed Name: Time:	Printed Name: Time:	
Company: First Strike	Company: Apex	1100	Company:	Company:	
Date: 4-17-24 Time: 0930					

Apex Laboratories

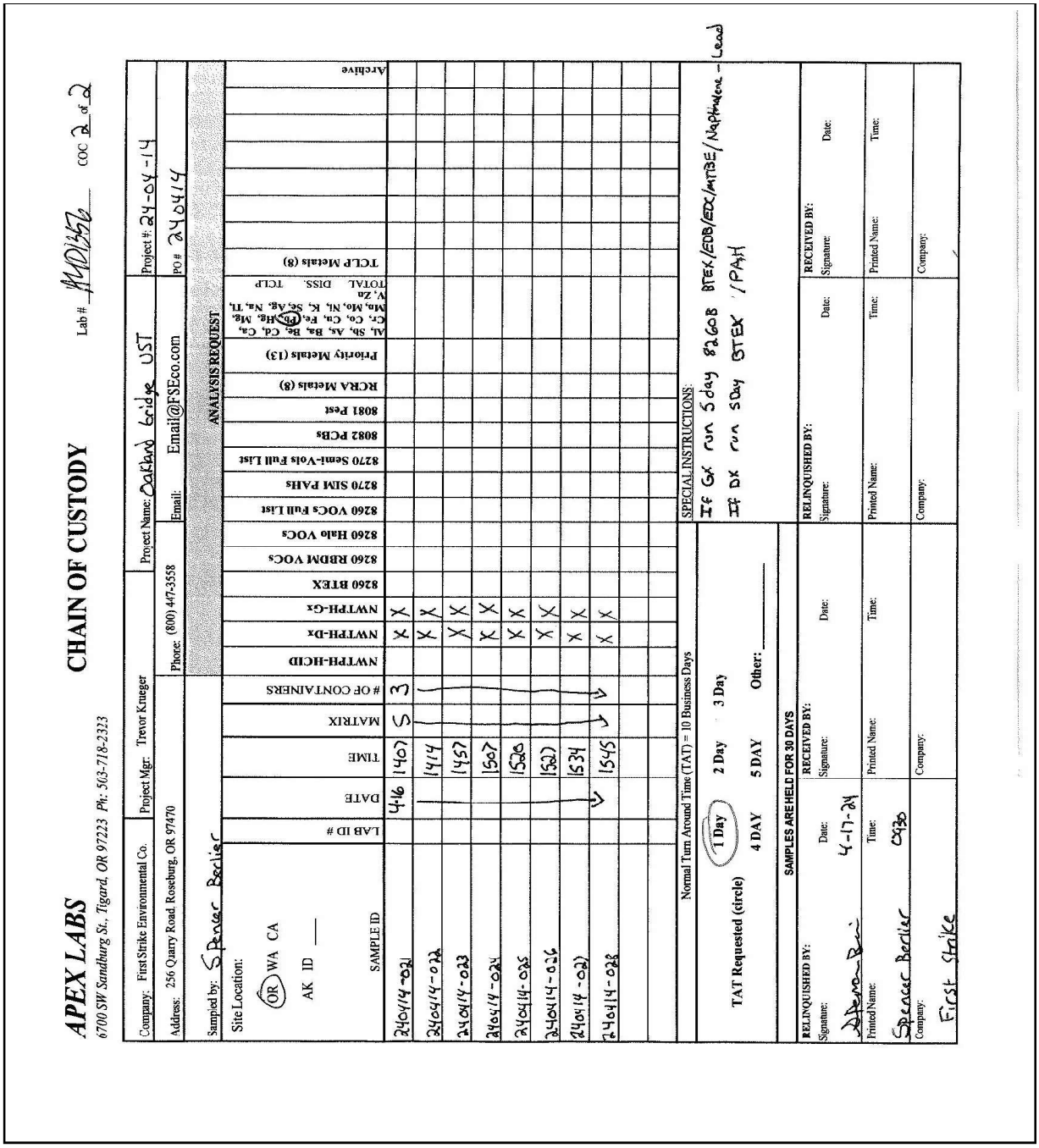
The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

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



APEX LABS — **CHAIN OF CUSTODY** — Lab # 4D1356 — COC 2 of 2

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

Company: First Strike Environmental Co. | Project Mgr: Trevor Krueger | Project Name: Oakland bridge UST | Project #: 24-04-14

Address: 256 Quarry Road, Roseburg, OR 97470 | Phone: (800) 447-3558 | Email: Email@FSEco.com | PO # 24-04-14

Sampled by: Spencer Beckler

Site Location: (OR) WA CA / AK ID ___

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM 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, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
240414-021		4-16	1401	S	3		X	X													
240414-022			1414				X	X													
240414-023			1457				X	X													
240414-024			1507				X	X													
240414-025			1526				X	X													
240414-026			1582				X	X													
240414-027			1534				X	X													
240414-028			1545				X	X													

Normal Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS:
If GX run 5day 8260B BTEX/EDB/EDC/MTBE/Naphthalene - Lead
If DX run 5day BTEX /PAH

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 4-17-24	Date:	Date:	Date:
Time:	Time:	Time:	Time:
Printed Name:	Printed Name:	Printed Name:	Printed Name:
Company:	Company:	Company:	Company:
First Strike			

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

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

ANALYTICAL REPORT

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

APEX LABS COOLER RECEIPT FORM

Client: First Strike Enviro Element WO#: A4 D1356

Project/Project #: Oakland Bridge UST 24-04-14

Delivery Info:

Date/time received: 4/18/24 @ 1050 By: KMO

Delivered by: Apex__Client__ESS__FedEx__UPS X Radio__Morgan__SDS__Evergreen__Other__

From USDA Regulated Origin? Yes ____ No X

Cooler Inspection Date/time inspected: 4/18/24 @ 1000 By: KMO

Chain of Custody included? Yes X No ____

Signed/dated by client? Yes X No ____

Contains USDA Reg. Soils? Yes ____ No X Unsure (email RegSoils) ____

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

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: KS

All samples intact? Yes ___ No X Comments: 80z cracked in transit to lab on sample 2404114-023, broke in bag, was able to recover.

Bottle labels/COCs agree? Yes X No ___ Comments: No T on cont's for 2404114-028

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ____

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X pH ID: ____

Comments: ____

12 GLR BAL 01961919 9851

Labeled by: LJ Witness: MW - voices JDS Cooler Inspected by: LJ

Form Y-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

ORRCO Disposal	Gals	FSE Project No. 24-04-14 Oakland Bridge Project
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	Profile8
fuel and water 6/8/23(pilot)	oily 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

First Strike Environmental Co. - 2401328 Work Order (continued)

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.

Signature: x

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 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	Profile8
fuel and water 6/8/23(pilot)	oily 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

First Strike Environmental Co. - 2401364 Work Order (continued)

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.

Signature: x

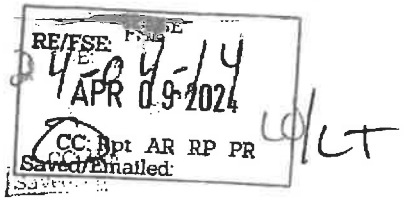
The Steel Recyclers

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



#24-04-14 LC/LT

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 _____

The Steel Recyclers

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

TANK #2
#24-04-14

135 Kester Road
Roseburg, OR 97470

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

FSE
RE/FSE: 24.04.14
APR 16 2024
GC Rpt AR RP PR
Saved/Emailed:

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

FIRST STRIKE ENVIRONMENTAL CO

CCB 108932

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

June 05, 2024

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

Re: Phase II Billing / 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) Phase II Billing and 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.

Phase II Billing is for the work to prepare and submit a Cleanup/Remediation Report, Request for Closure and No Further Action (NFA) to 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: Phase II Billing / Report Only: Jim Orr / ODEQ Cleanup Program
UST Duty Officer / ODEQ
Brian McMullen / ODOT

lo

ENVIRONMENTAL AssessmentAssociation

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

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	Polyaromatic Hydrocarbons
Lead	Total Metals

SIGNATURE PAGE

Nathaniel Mandera, UST Decommissioning Supervisor
ODEQ License # 27552

6/5/24
Date

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

6/5/24
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, Flourene 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

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 20 after considering the five factors to be evaluated. A score of 20 results in a soil matrix Level 3 cleanup standard of 500 ppm NWTPH-Dx for this site. Soil clearance samples indicate the Site meets the Level 3 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
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	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-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	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 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					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-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°25'30.0"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

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	
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

DISPOSAL 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-Gx
4/9/2024	240414-D	Excavation Stockpiles	Soil, 9' Excavation, Composite	Temorary Stockpiles	**213 ppm**
4/9/2024	240414-D1	Excavation Stockpiles	Soil, 9' Excavation, Composite	Temorary Stockpiles	**321 ppm**
4/9/2024	240414-D2	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**357 ppm**
4/9/2024	240414-D3	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**444 ppm**
4/9/2024	240414-D4	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**251 ppm**
4/9/2024	240414-D5	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**219 ppm**

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

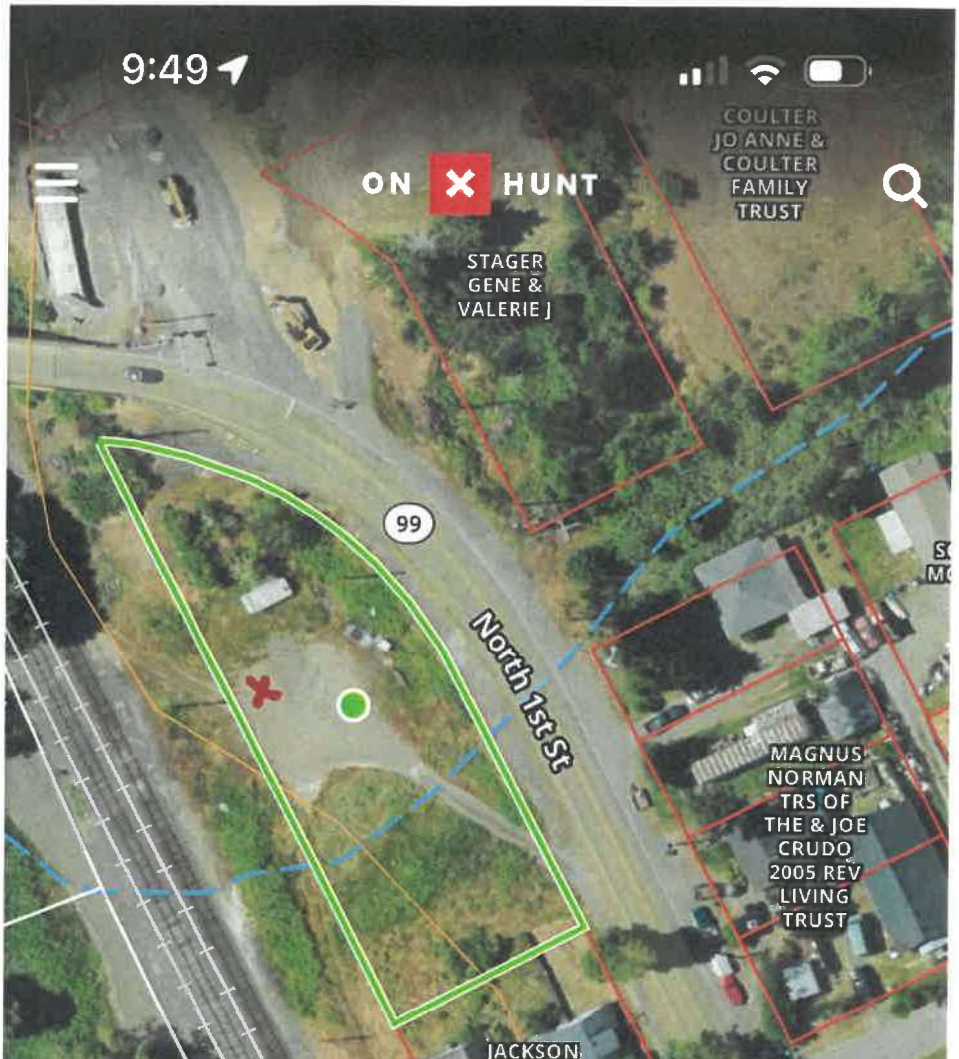
Ticket Number	Quantity	
718926	15.52	
718927	16.49	
718928	16.63	
718930	13.63	
718932	13.81	
718938	16.79	
718939	14.70	
718940	13.74	
718942	15.05	
718943	11.75	
718950	16.48	
718953	16.63	
718956	15.41	
718957	14.30	
718960	15.45	
718962	17.36	
718964	16.22	
718965	15.37	
718967	10.27	
718970	14.73	
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


9:49
ON X HUNT
COULTER JO ANNE & COULTER FAMILY TRUST
STAGER GENE & VALERIE J
99
North 1st St
MAGNUS NORMAN TRS OF THE & JOE CRUDO 2005 REV LIVING TRUST
JACKSON

OR Government Lands

Overview Hunt Unit Weather

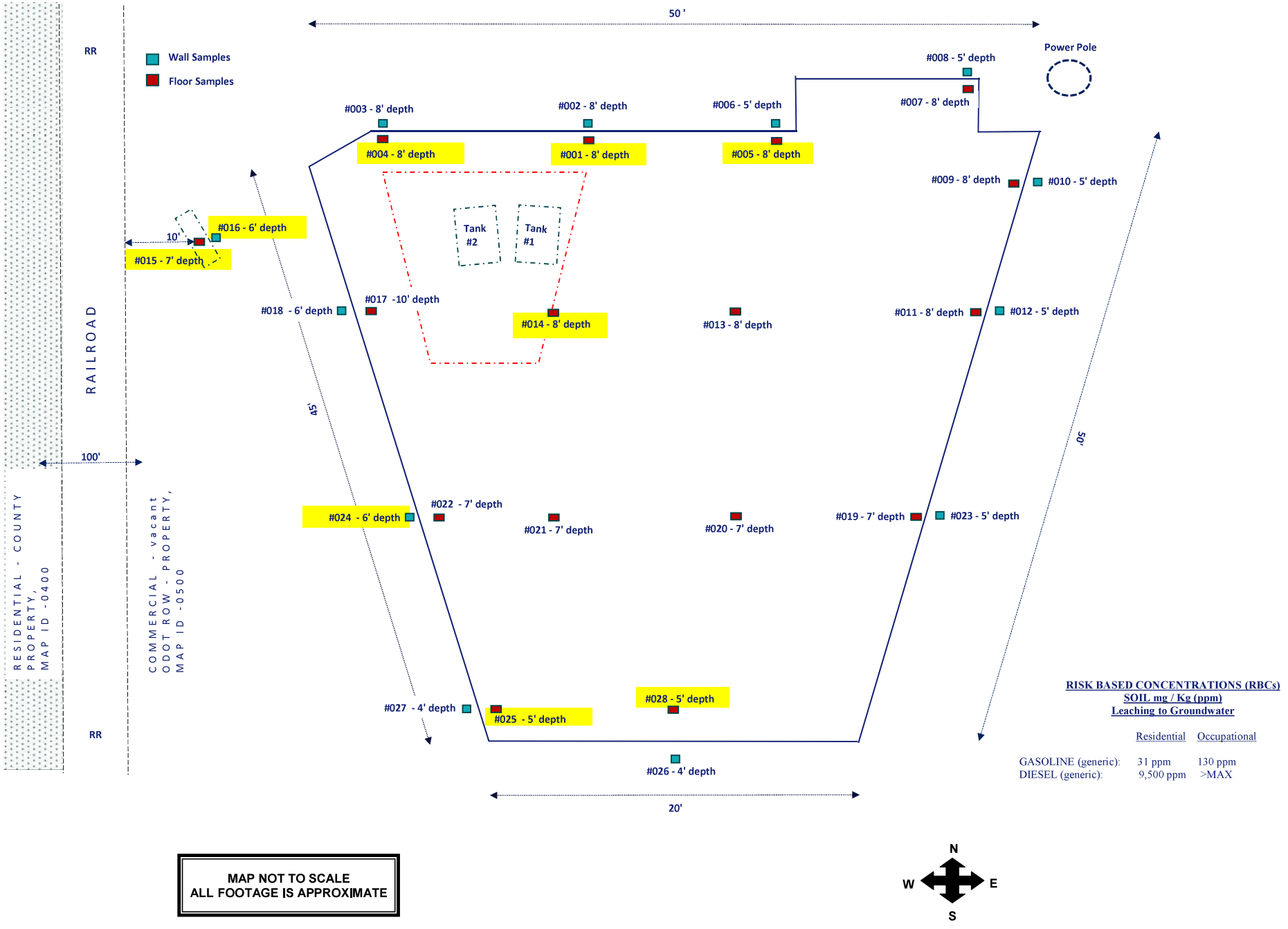
Coordinates 43.42495, -123.30183 **Copy**

OR Government Lands

County
Douglas

Share **Add Waypoint** **Add Photo** **Repor**

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

SPRUCE
CEDAR
CYPRESS
68
69
79
80
90
91
160
(NOT OPENED)
2D
1ST
3
SHELL OIL CO.
(PACIFIC HIGHWAY)
(NOT OPEN)
Scale of Feet.
Copyright 1920 by the Sanborn Map Co.

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@FESco.com

Website: www.FSEco.com

24-Hrs: 1-800-447-3558

E-MAILED 5/9/24 CC:AR

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: 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 anlaytical 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, Ore

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 Mandera

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 Region

Date 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 Reporting

DEQ 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/A

DEQ Solid Waste Disposal Permit #: N/A Date:

Soil Disposal or Treatment Location: Douglas County Solid Waste

E. TANK INFORMATION:

			PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER?		CLOSURE OR CHANGE-IN- SERVICE?			TANK TO BE REPLACED?	
TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRESENT	NEW	TANK REMOVAL	CLOSURE IN PLACE♦	CHANGE IN SERVICE♦	YES	NO
#1		2000			☑	☐	☐	☐	☑
#2		2000			☑	☐	☐	☐	☑
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐

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 AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
TANK ID #	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS	SLUDGES
#1	☑	☐	☐	The Steel Recyclers, Roseburg	1,500-gallons/ORRCo	150-gallons
#2	☑	☐	☐	The Steel Recyclers, Roseburg	2,105-gallons/ORRCo	
	☐	☐	☐			
	☐	☐	☐			
	☐	☐	☐			

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

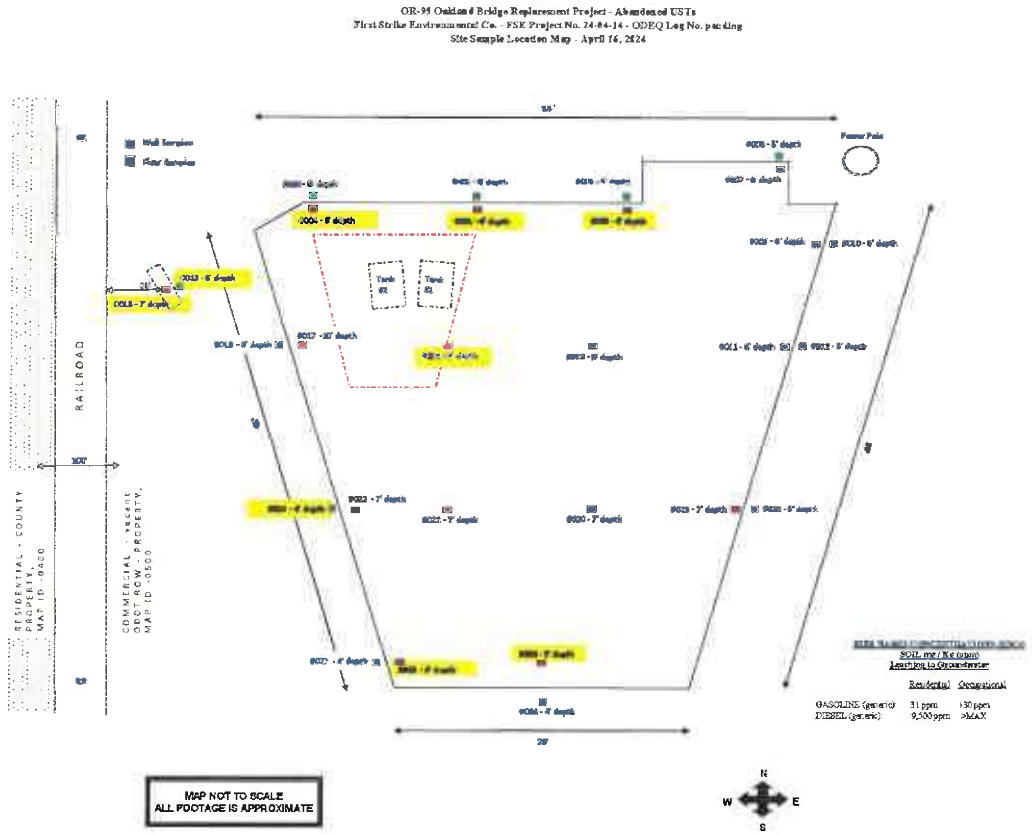
G. CONTAMINATION INFORMATION:

TANK ID #	GROUND WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY (NAME, CITY, STATE, PHONE)
#1	☐	☑	☑	28-total	APEX Labs, Tigard, Oregon
#2	☐	☑	☑	excavation	APEX Labs, Tigard, Oregon
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		

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:	Dry Chem, ABC 20lb	Recharge Date:	3/1/2024
Combustible Gas Detector:	Model:	Qrae 3, 4 gas meter	Calibration Date:	4/8/2024
Oxygen Analyzer:	Model:	Qrae 3, 4 gas meter	Calibration Date:	4/8/2024

J. DECOMMISSIONING:

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

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: _____	☐	☐	☐	✓
17. Contamination concerns fully resolved?	☐	☐	☐	✓
18. Fill Material? Type: _____	☐	☐	☐	✓

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?	☐	☐	☐	☑
20. Purged or ventilated tank to prevent explosion? Method used: Water - Tanks full of water Meter reading: 0% LEL	☑	☐	☐	☐
21. Were chains or steel cables wrapped around tank for removal?	☑	☐	☐	☐
22. Tank removed, set on ground, blocked to prevent movement?	☐	☐	☐	☑
23. Tank set on truck and secured with straps(s)?	☑	☐	☐	☐
24. Tank labeled before leaving site?	☑	☐	☐	☐

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	☑	☐	☐	☐
26. Soil samples taken and analyzed?	☑	☐	☐	☐
27. Was contamination found? Date/Time: 4/9/2024	☑	☐	☐	☐
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	☑	☐	☐	☐

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-Leusch (May 6, 2024 15:26 PDT) 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 (May 6, 2024 16:24 PDT) 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 ***(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.

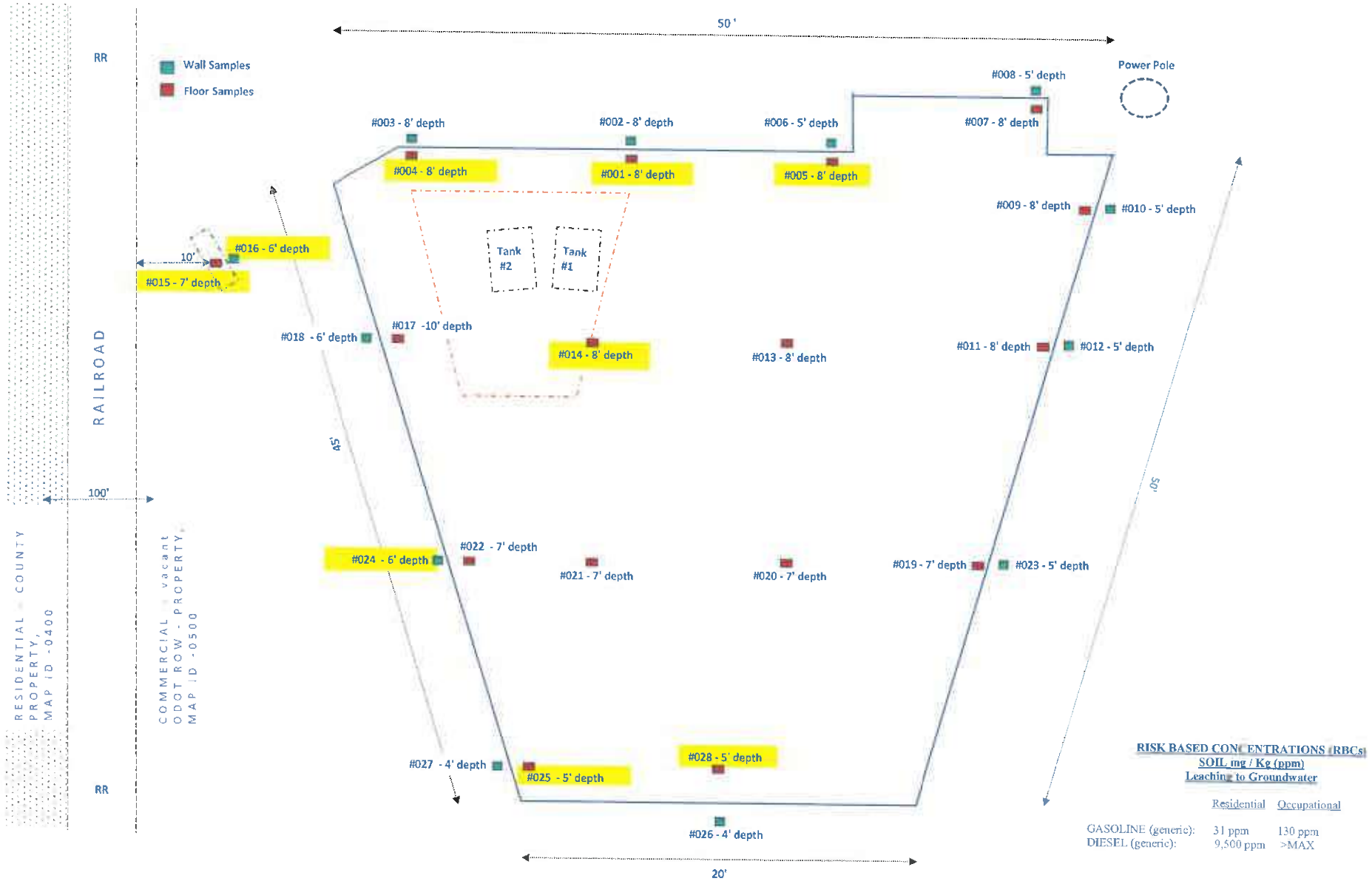
Sample Summary

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

Draft 5/5/2024

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°18'7.26"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-feet 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 ppb 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 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					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-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°25'30.0"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
First Strike Environmental Co. - FSE Project No. 24-04-14 - ODEQ Log No. pending
Site Sample Location Map - April 16, 2024



See Appendix C, Analytical Laboratory Reports

ORRCO Disposal	Gals	FSE Project No. 24-04-14 Oakland Bridge Project
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	Profile8
fuel and water 6/8/23(pilot)	oily 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 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	Profile8
fuel and water 6/8/23(pilot)	oily 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

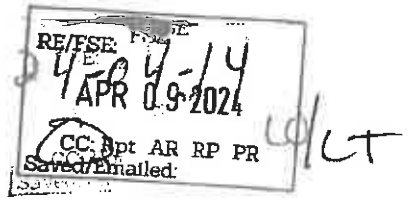
The Steel Recyclers

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



4-24-14 LC/LT

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 _____

The Steel Recyclers

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

TANK #2
24-04-14

135 Kester Road
Roseburg, OR 97470

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

FSE
RE/FSE: 24-04-14
APR 16 2024
Saved/Emailed:

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

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

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: **lronate2@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

State of Oregon
Department of
Environmental
Quality

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-Gx	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°18'7.26"W
4/15/2024	240414-007	Excavation Area	Soil, Excavation Floor, 8' Depth	NE	Diesel Heavy Oil	ND 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	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	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	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	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	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	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	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	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	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 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	n/a			43°25'30.09"N	123°18'7.40"W
								n/a				
4/15/2024	240414-003	Tank #2	Soil, Excavation Wall, 5' Depth	NW	Diesel Heavy Oil	ND 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	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	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	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	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** 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	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	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	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	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	ND	n/a			43°25'29.7"N	123°18'07.5"W

4/15/2024
4/16/2024

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

ANALYTICAL REPORT

Final 4/15
FSE
RE/FSE:
MAY 0 1 2024
CC: Rpt AR RP PR
Saved/Emailed:

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

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

APEX LABORATORIES

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

ANALYTICAL REPORT

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

APEX LABORATORIES

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 94 %*	*Limits: 80-120 %*	*1*	*04/18/24 11:13*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/18/24 11:13*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 93 %*	*Limits: 80-120 %*	*1*	*04/18/24 13:03*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/18/24 13:03*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*04/18/24 13:03*	*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

APEX LABORATORIES

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

ANALYTICAL REPORT

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

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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

APEX LABORATORIES

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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									V-16
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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

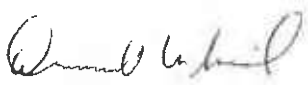
First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1314 - 04 30 24 1731

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.

APEX LABORATORIES

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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 ½ the Reporting Limit (RL).

-For Blank hits falling between ½ 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.

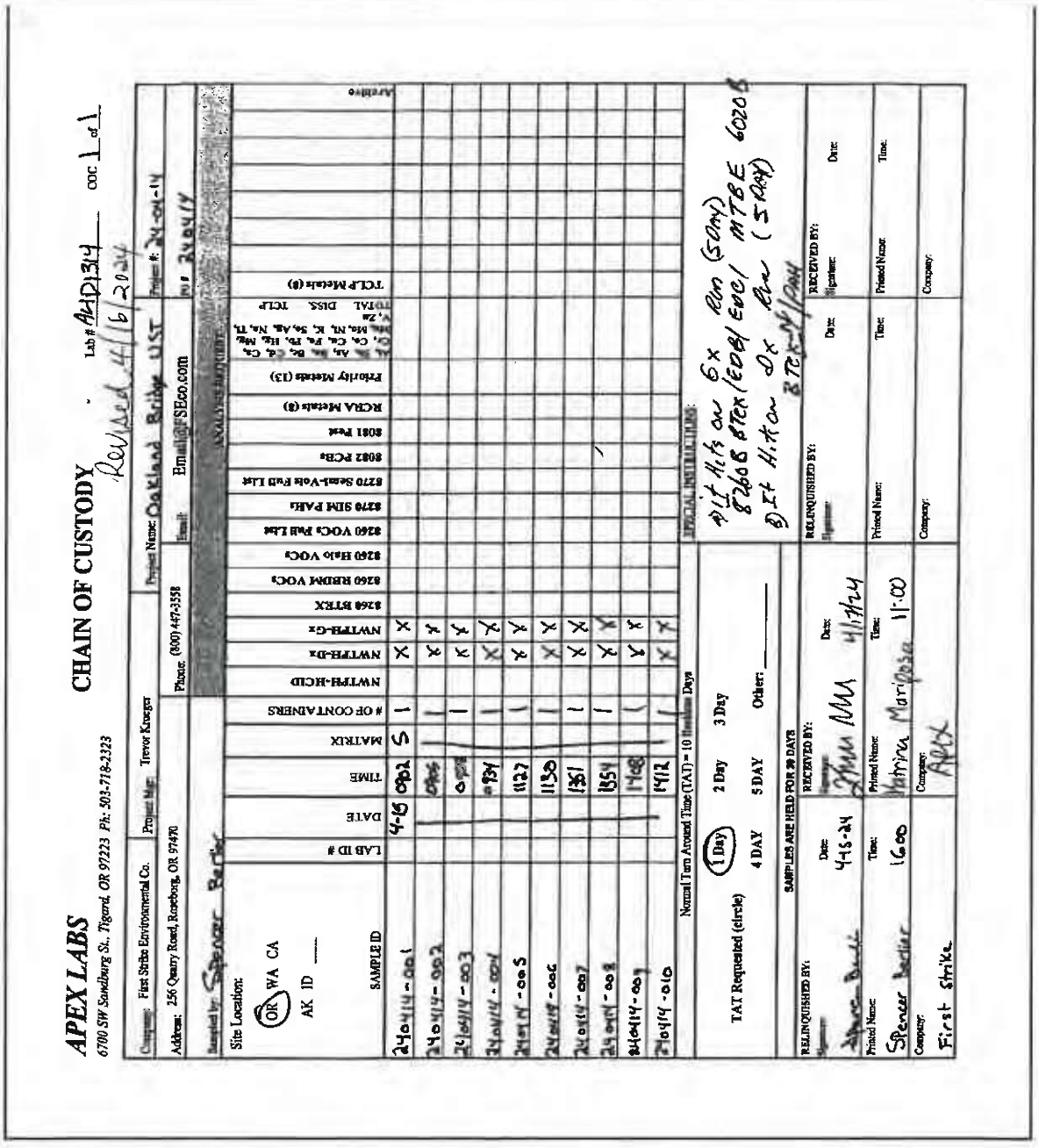
Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1314 - 04 30 24 1731**



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

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

ANALYTICAL REPORT

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
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 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

Apex Laboratories, LLC

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

ANALYTICAL REPORT

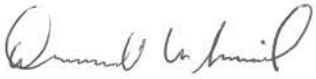
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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



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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

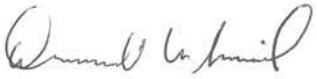
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

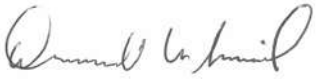
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

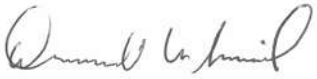
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*93 %*	*Limits: 80-120 %*	*1*	*04/19/24 02:14*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*04/19/24 02:14*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*04/19/24 02:14*	*5035A/8260D*	
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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*91 %*	*Limits: 80-120 %*	*1*	*04/19/24 07:14*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/19/24 07:14*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*	*1*	*04/19/24 07:14*	*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

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

ANALYTICAL REPORT

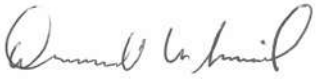
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*92 %*	*Limits: 80-120 %*	*1*	*04/19/24 01:47*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/19/24 01:47*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*91 %*	*Limits: 80-120 %*	*1*	*04/19/24 02:41*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/19/24 02:41*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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



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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

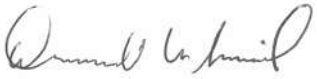
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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



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.

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

ANALYTICAL REPORT

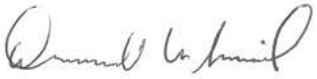
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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



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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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							
NWTPH-Gx (MS)												
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							
NWTPH-Gx (MS)												
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							
QC Source Sample: 240414-011 (A4D1356-01)												
NWTPH-Gx (MS)												
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							
QC Source Sample: 240414-025 (A4D1356-15)												
NWTPH-Gx (MS)												
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

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

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

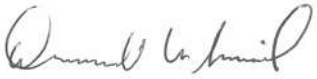
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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									
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:*	*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**
5035A/8260D												
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									
QC Source Sample: 240414-011 (A4D1356-01)												
5035A/8260D												
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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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									
QC Source Sample: 240414-025 (A4D1356-15)												
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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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							
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	---	---	---	---	---	---	
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**
5035A/8260D												
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							
QC Source Sample: 240414-011 (A4D1356-01)												
5035A/8260D												
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

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

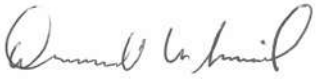
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

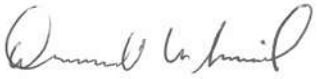
First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1356 - 05 03 24 1519

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



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.

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

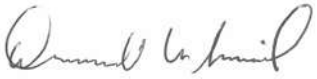
First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1356 - 05 03 24 1519**

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.

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

ANALYTICAL REPORT

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

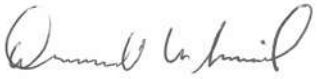
QUALITY CONTROL (QC) SAMPLE RESULTS

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							
QC Source Sample: Non-SDG (A4D1318-01)												
% 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							
QC Source Sample: Non-SDG (A4D1318-02)												
% 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							
QC Source Sample: 240414-011 (A4D1356-01)												
EPA 8000D												
% 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							
QC Source Sample: 240414-028 (A4D1356-18)												
EPA 8000D												
% 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							
QC Source Sample: Non-SDG (A4D1388-01)												
% 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							
QC Source Sample: Non-SDG (A4D1393-02)												
% 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.

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

ANALYTICAL REPORT

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

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

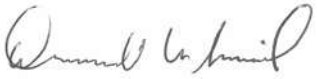
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0710							
A4D1356-01	Soil	NWTPH-Dx	04/16/24 09:53	04/18/24 12:12	11.01g/5mL	10g/5mL	0.91
A4D1356-02	Soil	NWTPH-Dx	04/16/24 09:59	04/18/24 12:12	11.28g/5mL	10g/5mL	0.89
A4D1356-03	Soil	NWTPH-Dx	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



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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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
Batch: 24D0713							
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
Batch: 24D0713							
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
Batch: 24D0878							
A4D1356-05	Soil	EPA 8270E SIM	04/16/24 11:56	04/24/24 10:23	11.75g/5mL	10g/5mL	0.85
Batch: 24D1001							
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

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

ANALYTICAL REPORT

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

SAMPLE PREPARATION INFORMATION

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

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

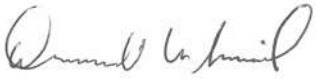
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0901							
A4D1356-15	Soil	EPA 6020B	04/16/24 15:20	04/24/24 10:24	0.476g/50mL	0.5g/50mL	1.05
Batch: 24D1040							
A4D1356-04	Soil	EPA 6020B	04/16/24 11:22	04/29/24 10:04	0.488g/50mL	0.5g/50mL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



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.

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

ANALYTICAL REPORT

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

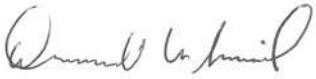
QUALIFIER DEFINITIONS

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



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.

Apex Laboratories, LLC

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

ANALYTICAL REPORT

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

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

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**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 ½ the Reporting Limit (RL).

-For Blank hits falling between ½ 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

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

ANALYTICAL REPORT

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

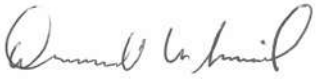
Subcontract Laboratory Accreditations

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



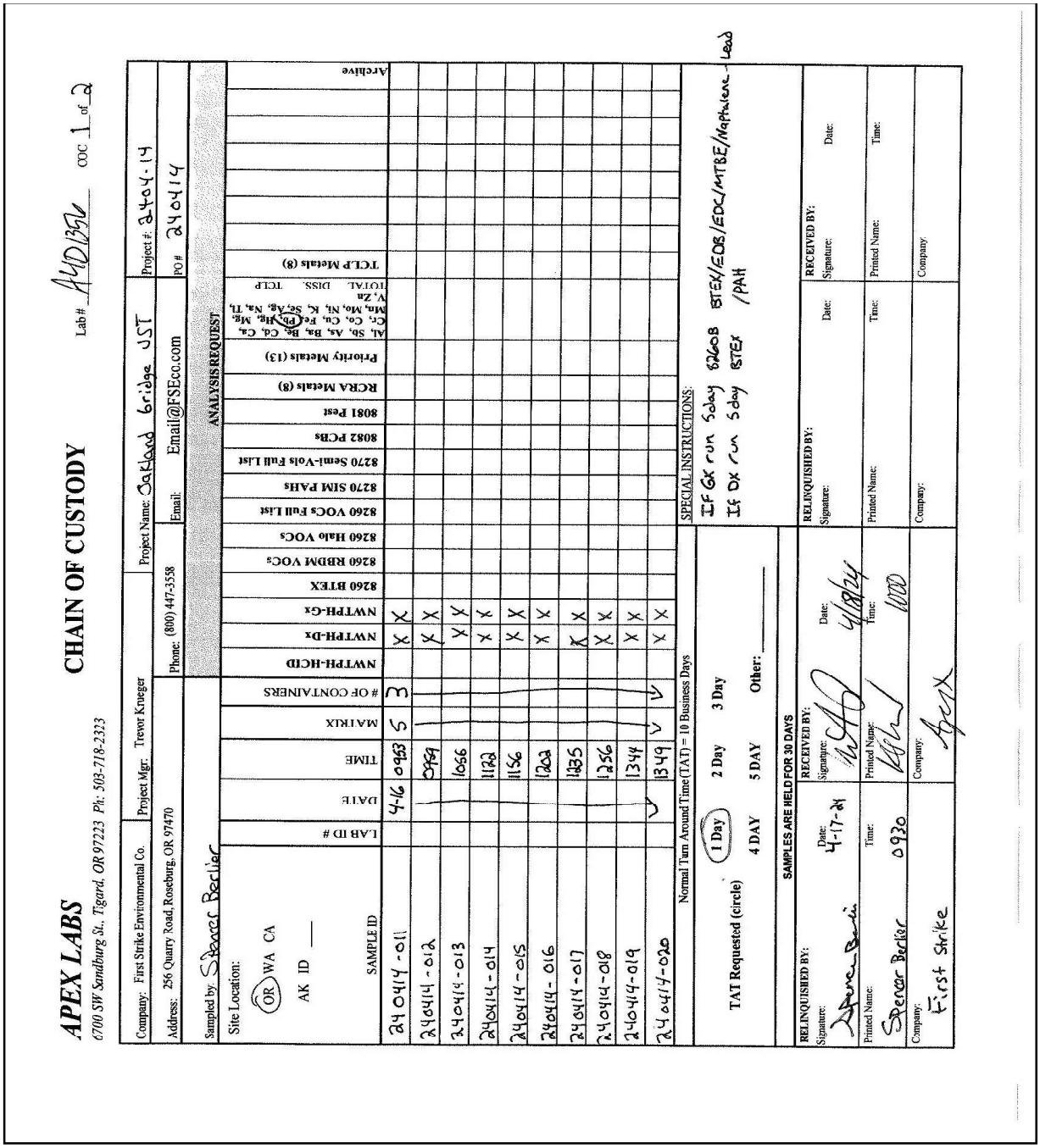
Darrell Auvil, Client Services Manager

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.

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

ANALYTICAL REPORT

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



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

CHAIN OF CUSTODY — Lab # A4D1356 — COC 1 of 2

Company: First Strike Environmental Co. | Project Mgr: Trevor Krueger | Project Name: Oakland Bridge UST | Project #: 24-04-14
Address: 256 Quarry Road, Roseburg, OR 97470 | Phone: (800) 447-3558 | Email: Email@FSEco.com | PO # 240414
Sampled by: Spencer Beckler

Site Location: (OR) WA CA AK ID ___

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM 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, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
240414-011		4-16	0953	S	3		X	X													
240414-012			0959				X	X													
240414-013			1056				X	X													
240414-014			1123				X	X													
240414-015			1156				X	X													
240414-016			1203				X	X													
240414-017			1235				X	X													
240414-018			1256				X	X													
240414-019			1344				X	X													
240414-020		V	1349	V	V		X	X													

Normal Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS: If GX run 5day 8260B BTEX/EDB/EDC/MTBE/Naphthalene Lead
If DX run 5day BTEX /PAH

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:		RELINQUISHED BY:	RECEIVED BY:	
Signature:	Signature:	Date:	Signature:	Signature:	Date:
Printed Name:	Printed Name:	Time:	Printed Name:	Printed Name:	Time:
Company:	Company:		Company:	Company:	
Date: 4-17-24	Date: 4/18/24		Date:	Date:	
Time: 0930	Time: 1000		Time:	Time:	
First Strike	Apex				

Apex Laboratories

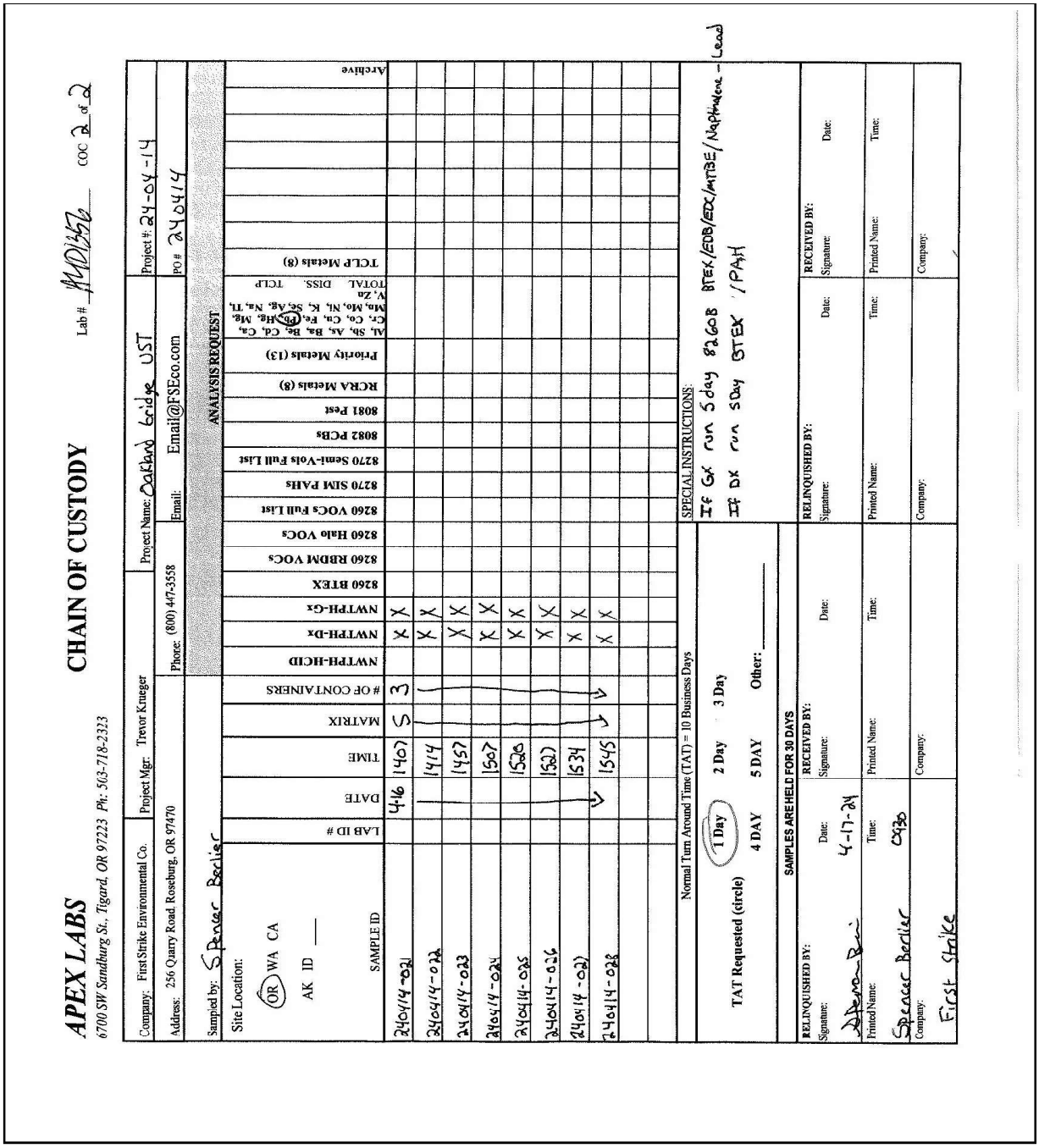
The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

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



APEX LABS — **CHAIN OF CUSTODY** — Lab # A4D1356 — COC 2 of 2

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

Company: First Strike Environmental Co. | Project Mgr: Trevor Krueger | Project Name: Oakland bridge UST | Project #: 24-04-14

Address: 256 Quarry Road, Roseburg, OR 97470 | Phone: (800) 447-3558 | Email: Email@FSEco.com | PO # 240414

Sampled by: Spencer Beckler

Site Location: (OR) WA CA / AK ID ___

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM 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, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
240414-021		4-16	1401	S	3		X	X													
240414-022			1414				X	X													
240414-023			1457				X	X													
240414-024			1507				X	X													
240414-025			1526				X	X													
240414-026			1582				X	X													
240414-027			1534				X	X													
240414-028			1545				X	X													

Normal Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS:
If GX run 5day 8260B BTEX/EDB/EDC/MTBE/Naphthalene - Lead
If DX run 5day BTEX /PAH

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 4-17-24	Date:	Date:	Date:
Time:	Time:	Time:	Time:
Printed Name:	Printed Name:	Printed Name:	Printed Name:
Company: First Strike	Company:	Company:	Company:

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

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

ANALYTICAL REPORT

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

APEX LABS COOLER RECEIPT FORM

Client: First Strike Enviro Element WO#: A4 D1356

Project/Project #: Oakland Bridge UST 24-04-14

Delivery Info:

Date/time received: 4/18/24 @ 1050 By: KMO

Delivered by: Apex__Client__ESS__FedEx__UPS X Radio__Morgan__SDS__Evergreen__Other__

From USDA Regulated Origin? Yes ____ No X

Cooler Inspection Date/time inspected: 4/18/24 @ 1000 By: KMO

Chain of Custody included? Yes X No ____

Signed/dated by client? Yes X No ____

Contains USDA Reg. Soils? Yes ____ No X Unsure (email RegSoils) ____

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

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: KS

All samples intact? Yes ___ No X Comments: 80z cracked in transit to lab on sample 2404114-023, broke in bag, was able to recover.

Bottle labels/COCs agree? Yes X No ___ Comments: No T on cans for 2404114-028

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ____

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X pH ID: ____

Comments: ____

12 61R 8A1 01961919851

Labeled by: LJ Witness: MW - voices JDS Cooler Inspected by: CS

Form Y-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

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

APEX LABORATORIES

ANALYTICAL REPORT

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

Final Tank 1 CIL

FSE
RE/FSE: 24-04-14
APR 17 2024
Saved / Finalized

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

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*04/10/24 18:00*	*5035A/8260D*	
Toluene-d8 (Surr)			*92 %*	*80-120 %*	*1*	*04/10/24 18:00*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*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	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*04/10/24 18:25*	*5035A/8260D*	
Toluene-d8 (Surr)			*91 %*	*80-120 %*	*1*	*04/10/24 18:25*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*04/10/24 18:25*	*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

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

ANALYTICAL REPORT

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

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

APEX LABORATORIES

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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									
5035A/8260D												
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

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

APEX LABORATORIES

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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.

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

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	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 ½ the Reporting Limit (RL).

-For Blank hits falling between ½ 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 concentraton 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

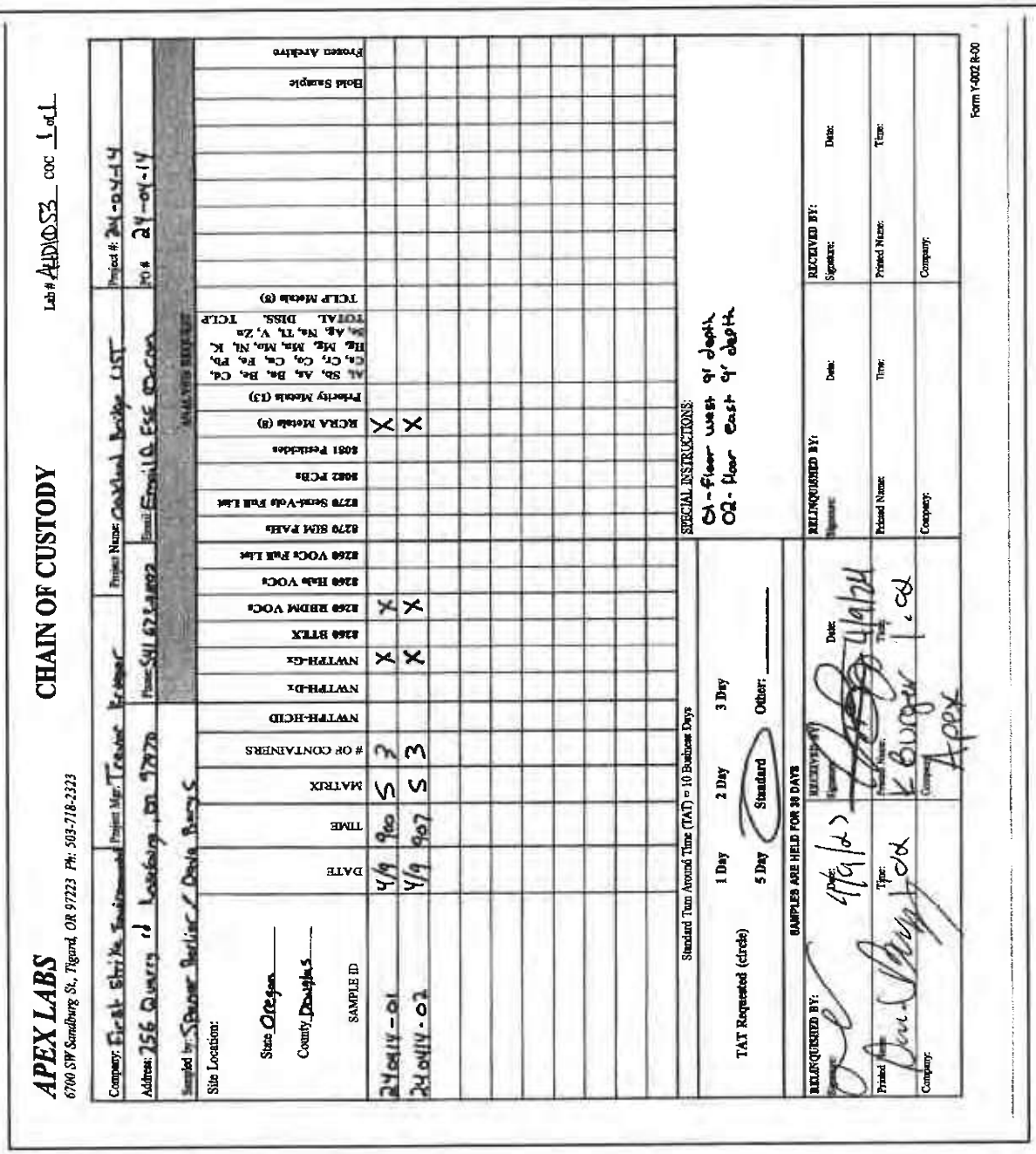
Darrell Auvil, Client Services Manager

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: **Oakland Bridge UST**	
256 Quarry Road	Project Number: **24-04-14**	**Report ID:**
Roseburg, OR 97470	Project Manager: **Trevor Krueger**	**A4D1053 - 04 17 24 1538**



CHAIN OF CUSTODY

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

Lab # A4D1053 COC 1 of 1

Company: First Strike Environmental | Project Mgr: Trevor Krueger | Project Name: Oakland Bridge UST | Project #: 24-04-14
Address: 256 Quarry rd Roseburg, OR 97470 | Phone: 541 672 4832 | Email: Email1@1Strike.Esc@Gmail.com | PO # 24-04-14
Sampled by: Spencer Parker / Devin Berry
Site Location: State: Oregon County: Douglas

SAMPLE ID	DATE	TIME	MATRIX	# OR CONTAINERS	NWTFH-HCID	NWTFH-Dx	NWTFH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Hold Sample	Frozen Archive
24041H-01	4/9	900	S	3			X		X							X					
24041H-02	4/9	907	S	3			X		X							X					

Standard Turn Around Time (TAT) = 10 Business Days
TAT Requested (circle): 1 Day 2 Day 3 Day 5 Day Standard Other: _____
SAMPLES ARE HELD FOR 30 DAYS

SPECIAL INSTRUCTIONS:
01 - floor west 9' depth
02 - floor east 9' depth

RELINQUISHED BY: Signature: Date: Time: Printed Name: Company:
RECEIVED BY: Signature: Date: Time: Printed Name: Company:
RELINQUISHED BY: Signature: Date: 4/9/24 Time: 1600 Printed Name: K Burger Company: Apex
RECEIVED BY: Signature: Date: 4/9/24 Time: 1600 Printed Name: Devin Murphy Company: Apex

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

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

Date	Sample ID	Item	Description	Location	NWTPH-Gx
4/9/2024	240414-D	Excavation Stockpiles	Soil, 9' Excavation, Composite	Temorary Stockpiles	**213 ppm**
4/9/2024	240414-D1	Excavation Stockpiles	Soil, 9' Excavation, Composite	Temorary Stockpiles	**321 ppm**
4/9/2024	240414-D2	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**357 ppm**
4/9/2024	240414-D3	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**444 ppm**
4/9/2024	240414-D4	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**251 ppm**
4/9/2024	240414-D5	Excavation Stockpiles	Soil, Excavation Mixed Clean / PCS	Temorary Stockpiles	**219 ppm**

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

ANALYTICAL REPORT

FSE
RE/FSE: 24.04.14
APR 11 2024
COC Rpt AR RP PR
Saved/Emailed:

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

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

APEX LABORATORIES

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

ANALYTICAL REPORT

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

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

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

ANALYTICAL REPORT

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

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

APEX LABORATORIES

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

ANALYTICAL REPORT

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

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

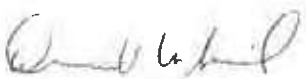
Report ID:
A4D1057 - 04 11 24 1050

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.

APEX LABORATORIES

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1057 - 04 11 24 1050

SAMPLE PREPARATION INFORMATION

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

Prep: EPA 5035A

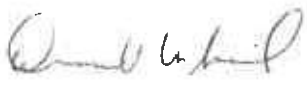
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0397							
A4D1057-01RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:15	04/09/24 09:15	5.64g/5mL	5g/5mL	0.89
A4D1057-02RE1	Soil	NWTPH-Gx (MS)	04/09/24 09:20	04/09/24 09:20	4.88g/5mL	5g/5mL	1.02
A4D1057-03RE1	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.

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

ANALYTICAL REPORT

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

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

ANALYTICAL REPORT

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

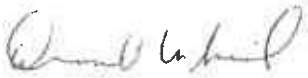
Subcontract Laboratory Accreditations

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



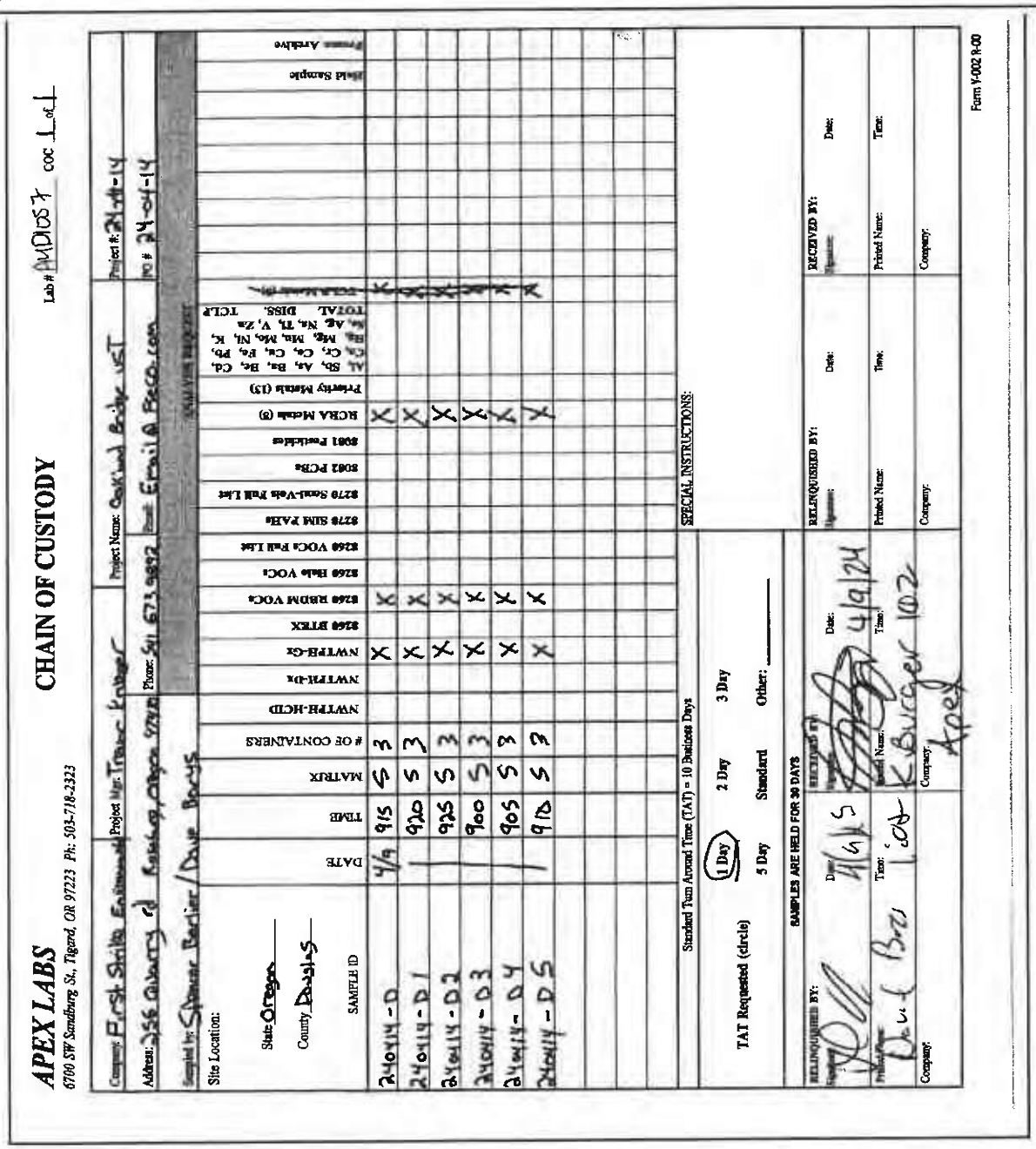
Darrell Auvil, Client Services Manager

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.

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

ANALYTICAL REPORT

First Strike Environmental Co.	Project: Oakland Bridge UST	
256 Quarry Road	Project Number: 24-04-14	Report ID:
Roseburg, OR 97470	Project Manager: Trevor Krueger	A4D1057 - 04 11 24 1050



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

FSE
RE/FSE: 24-04-14
APR 17 2024
Rpt AR P PR
Saved Emailed

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

Remarks:

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

FSE
RE/FSE: 24-04-14
APR 17 2024
Rpt AR RP PR
Saved Emailed

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

Remarks:

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

FSE
RE/FSE: 24-04-14
APR 17 2024
P AR RP PR
Saved Emailed:

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 Dgls 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

FSE
RE/FSE: 24-04-14
APR 17 2024
Saved Emailed:

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 Dgls 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

FSE
RE/FSE: 24-04-14
APR 17 2024
Cpt AR RF PR
Saved/Emailed

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

FSE
RE/FSE: 24-04-14
APR 17 2024
Cpt AR RF PR
Saved Emailed

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

RE/FSE: FSE 24-04-17
APR 17 2024
CC Rpt AR RP PR
Saved/Emailed:

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

Remarks:

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

RE/FSE: FSE 24-04-17
APR 17 2024
CC Rpt AR RP PR
Saved/Emailed:

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

Remarks:

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, 97470

FSE
RE/FSE: 24.04.14
APR 17 2024
CC: pt AR RP PR
Saved/Mailed:

Ticket #: 718964
Date: 04/15/2024 12:48 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	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, 97470

FSE
RE/FSE: 24.04.14
APR 17 2024
CC: Rp AR RP PR
Saved/Mailed:

Ticket #: 718965
Date: 04/15/2024 1:01 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	15.37	$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

FSE
RE/FSE: 24-04-14
APR 17 2024
CC Rpt AR RP PR
Saved/Emailed:

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
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	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

FSE
RE/FSE: 24-04-14
APR 17 2024
CC Rpt AR RP PR
Saved/Emailed:

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

Remarks:

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, 97470

FSE
RE/FSE: 24.04.14
APR 17 2024
CS Rpt AR RP PR
Saved/Emailed:

Ticket #: 718976
Date: 04/15/2024 2:58 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	14.9	$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, 97470

FSE
RE/FSE: 24.04.14
APR 17 2024
CS Rpt AR RP PR
Saved/Emailed:

Ticket #: 718982
Date: 04/15/2024 3:33 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	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

RE/FSE: FSE 24-04-14
MAY 0 9 2024
Saved/Emailed: Cst AR RP DR
W/CT

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:
Location: 1 - DOUGLAS COUNTY
Weigh Master: AM

Remarks:

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: _____ **$1,637.48**

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

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

FSE
RE/FSE: 24-04-14
MAY 09 2024
PR CC: Rpt AR RP PR
Saved/Emailed
W/CT

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: _____

$1,634.66

Material	Gross	Scale	Tare	Scale	Net
4	62340 lb	1 3:07 PM	27560 lb	2 3:13 PM	34780 lb

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

RE/FSE: FSE 24.04.14
MAY 09 2024
Saved/Emailed:

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	25440 lb	2 3:24 PM	30240 lb

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

FSE
RE/FSE: 24-04-14
APR 17 2024
CC: Rpt AR RF PR
Saved/Emailed:

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

FSE
RE/FSE: 24-04-15
APR 17 2024
CC: Rpt AR RF PR
Saved/Emailed:

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

FSE
RE/FSE: 24-04-14
APR 17 2024
CS Rpt AP RP PR
Saved Emailed

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

FSE
RE/FSE: 24-04-14
APR 17 2024
CS Rpt AP RP PR
Saved Emailed

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

FSE
RE/FSE: 24.04.14
APR 17 2024
Rpt AR RP PR
Saved/Emailed

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

Remarks:

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

FSE
RE/FSE: 24.04.14
APR 17 2024
Rpt AR RP PR
Saved/Emailed

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

Remarks:

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

RE/FSE 24-04-14
APR 17 2024
Saved/Emailed:

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

RE/FSE 24-04-14
APR 17 2024
Saved/Emailed:

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

FSE
RE/FSE: 24.04.14
APR 17 2024
Rp AP RP PR
Saved/Emailed:

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

Remarks:

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

FSE
RE/FSE: 24.04.14
APR 17 2024
Rp AP RP PR
Saved/Emailed:

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

Remarks:

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

FSE
RE/FSE: 24-04-14
APR 17 2024
CC: Rpt AR RP PR
Saved/Emailed

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

FSE
RE/FSE: 24-04-14
APR 17 2024
CC: Rpt AR RP PR
Saved/Emailed

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

FSE
RE/FSE: 24-04-14
APR 17 2024
pt AH RP PR
Saved Emailed:

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

FSE
RE/FSE: 24-04-14
APR 17 2024
Rpt AH RP PR
Saved Emailed:

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

FSE
RE/FSE: 24.04.14
MAY 09 2024
CC: RF AR RP PR
Saved/Emailed:

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: _____ **$1,069.72**

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

FSE
RE/FSE: 24.04.14
APR 10 2024
CC Rpt AR EP PR
Saved/Emailed:
20 cc: OPS

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, Oakland, OR
Contact Person: Trevor Krueger for ODOT/Farline
Estimated Quantity: 200 - CY
Phone: 541/673-9892

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 — *Authorized Representative's Signature*
Project Coord / FSE — *Title / Company*
4/9/2024 — *Date*

Transporter: JRT Construction c/o FSE
Address: 256 Quarry, Roseburg
Phone: 541/673-9892
Responsible party for disposal cost: First Strike
Billing address: 256 Quarry
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*
Lori Onate for Trevor Krueger — *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 $94 *(double for non resident)* = Total:$ _____

☐ Cash ☐ Check # _____ ☐ CC Receipt # _____ ☐ Charge

Material Confirmation

Roseburg Landfill - 384 McLain West Ave, Roseburg, OR 97471 541-957-7712

Permit Issued By: Cheryse Treadway
Received By: ROSEBURG LAND FILL
Date: 4-18-24 Time: 9:29 Volume: 76

Gross Weight: 17360
Tare Weight: 15840
Net Weight: 1520

ORRCO Disposal	Gals	FSE Project No. 24-04-14 Oakland Bridge Project
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 Tect 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	Profile8
fuel and water 6/8/23(pilot)	oily 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 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	

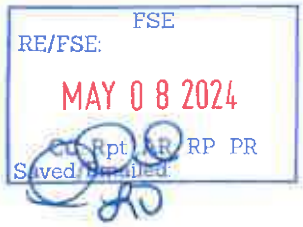
Profile 5	Profile 6	Profile 7	Profile8
fuel and water 6/8/23(pilot)	oily solids8-12-22		

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 Tect 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	

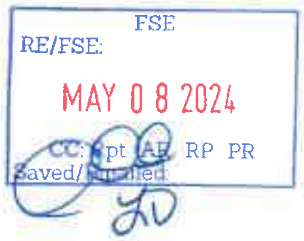
Profile 5	Profile 6	Profile 7	Profile8
fuel and water 6/8/23(pilot)	oily solids8-12-22		

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.



Work Order
5/8/2024

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

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

Job Name
First Strike Environmental Co. - 2401678

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 Tect 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	Profile8
fuel and water 6/8/23(pilot)	oily 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

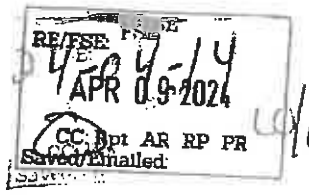
The Steel Recyclers

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



4-04-14 LT

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

The Steel Recyclers

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

TANK #2
#24-04-14

135 Kester Road
Roseburg, OR 97470
Voice: 541-440-3005
Fax: 541-440-3007

FSE
RE/FSE: 24-04-14
APR 16 2024
Saved/Emailed:

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

Appendix E

Agency Communications

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 Onate

From: UST Duty Officer * DEQ <UST.DutyOfficer@DEQ.oregon.gov>
To: Lori Onate
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

Website: www.FSEco.com

Email@FESco.com

24-Hrs: 1-800-447-3558

E-MAILED
4/30/24
cc: AR
ODS

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 anlaytical 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

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: **lronate2@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.

FIRST STRIKE ENVIRONMENTAL CO

Email@FESco.com

Website: www.FSEco.com

24-Hrs: 1-800-447-3558

PRELIMINARY
TECHNICAL MEMORANDUM

E-MAILED
4/22/24
cc: AR
OPS

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.

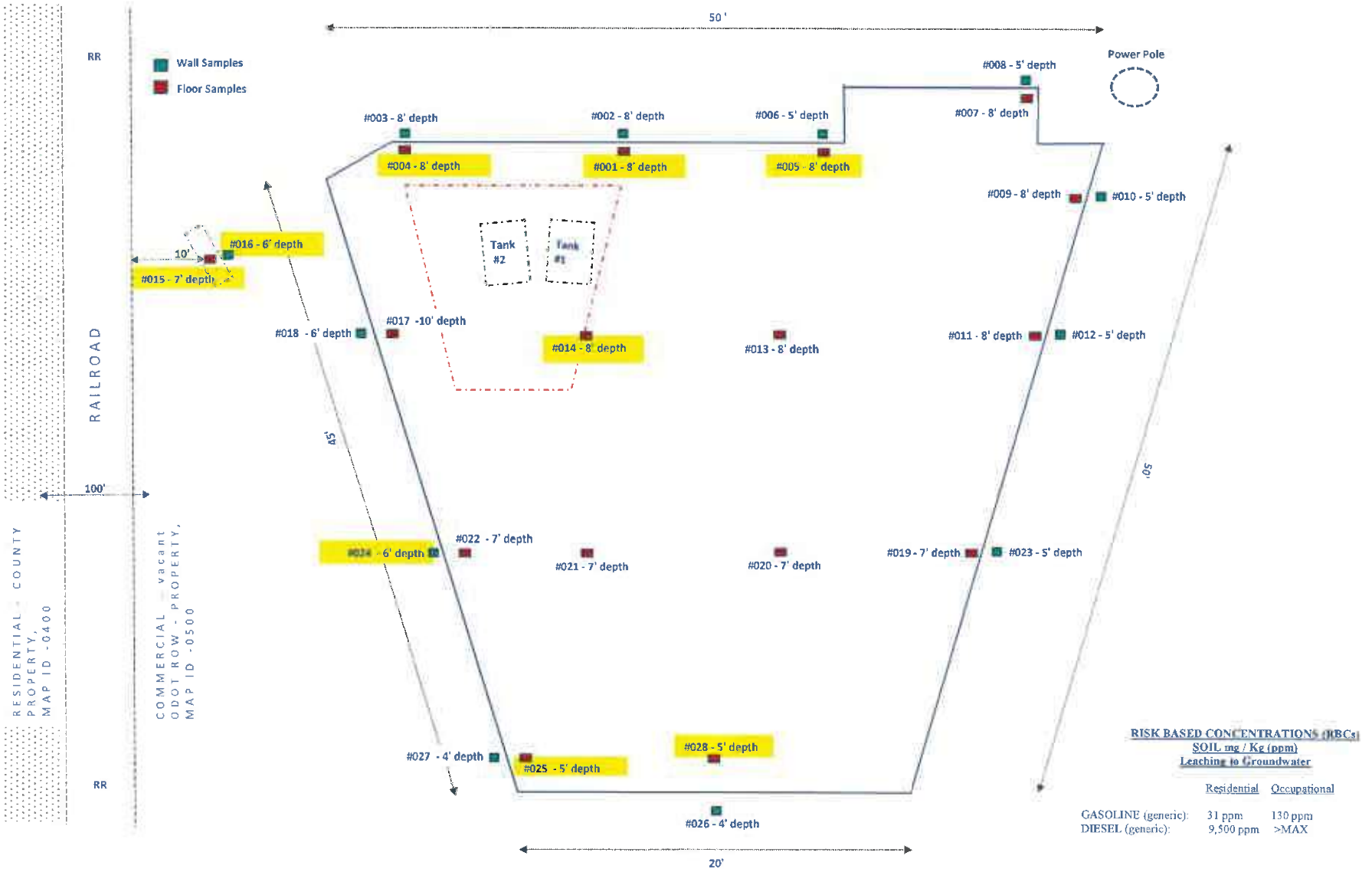
Thank you.

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



013
020

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

ID 16102 | Submitted Date 4/12/2024

Tank Type

Unregulated Underground Storage Tank

Unregulated UST Type
O

Abandoned

Incident Information

Date Submitted
2024-04-12

Date Discovered
2024-04-09

New Facility Information

New Facility Information
ODOT OR-99 Oakland Bridge Replacement

Abbreviation

Is the 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)

Township | Range | Section | Section 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 accidentially punctured during the course of project excavation by ODOT's contractor.

FIRST STRIKE ENVIRONMENTAL CO

Email@FESco.com

Website: www.FSEco.com

24-Hrs: 1-800-447-3558

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.

Oregon
Tina Kotek, Governor

Department of Environmental Quality
Northwest Region
700 NE Multnomah Street, Suite 600
Portland, OR 97232
(503) 229-5263
FAX (503) 229-6945
TTY 711

June 21, 2024

Jessica Bochart-Leusch
Oregon Department of Transportation
3500 NW Stewart Pkwy
Roseburg OR 97470

RE: UST Decommissioning Status
Oakland Bridge Replacement, Oakland
DEQ UST Facility ID No. 12752

Dear Jessica Bochart-Leusch:

The Department of Environmental Quality (DEQ) has received and reviewed underground storage tank (UST) documents for closure of two decommissioned USTs at facility #12752, the Oakland Bridge, located on the Oakland-Shady Highway. The purpose of this letter is to document UST closure as required by Oregon Administrative Rule (OAR) 340-150-0168(10).

Based on DEQ review of the documents received, the work appears to have met the requirements of OAR 340-150-0168 for decommissioning by permanent closure. DEQ has changed the status of the tanks from active to closed, with a decommissioning date of April 9, 2024. DEQ files and database records show tank permits BJBKB and BJBKC as inactive and decommissioned. The documents received are on file at the DEQ Northwest Region Office in Portland.

This letter is in no way related to any UST cleanup or other DEQ programs and is not intended to be a no further action letter for those purposes. The DEQ's determination will not be applicable if new or undisclosed facts show that the UST closure does not comply with the referenced rules.

As the Permittee you are required to maintain records of permanent closure, including the site assessment report and associated documents for three years after the permanent closure checklist and report have been reviewed by the DEQ. If the UST facility is sold within this time period, you must provide these records to the new property owner.

We appreciate your efforts to comply with the prescribed decommissioning rules for underground storage tanks. Should you have any questions, please feel free to contact me at 503-360-4287.

Sincerely,

Dave Pardue

Dave Pardue
UST Program Coordinator