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: 80

FACILITY NAME: Carson Prineville O'Neil

FACILITY ADDRESS: 2158 O'Neil Hwy, Prineville, OR 97754

PERMITTEE PHONE: 503-224-8400 DATE: 5/22/2024

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 #: 27494 Construction Contractors Board License #: 237180

Name: Peak Environmental, LLC

Telephone: 360-719-0682

DEQ Decommissioning Supervisor's License #: 26781

Name: David Borys

Telephone: 360-719-0682

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: 4/12/2024 (30 days before work starts).

Work Start Telephone Notice - Number issued by DEQ: 07-3D-24-016 (3 working days before work starts).

DEQ Person Notified: Mark Drouin

Date Work Started: 5/1/2024 Date Work Completed: 5/3/2024

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: 5/9/2024 By: David Borys

DEQ Person Notified: Mark Drouin

D. OTHER DEQ PERMITS MAY BE NEEDED WHERE SOIL OR WATER CLEANUP IS REQUIRED.

DEQ Water Discharge Permit #: _____ Date: _____

Water Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

Soil Disposal or Treatment Location: _____

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	CCGB	7000	DIESEL		☑	☐	☐	☐	☑
2	CCGC	5000	GASOLIN		☑	☐	☐	☐	☑
3	CCGD	10000	GASOLIN		☑	☐	☐	☐	☑
3A	BGKAF	10000	DIESEL		☑	☐	☐	☐	☑
					☐	☐	☐	☐	☐

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	☑	☐	☐	Swift and McCormik, Prineville,	ORRCO, Portland, OR	ORRCO Portland, OR
2	☑	☐	☐			
3	☑	☐	☐			
3A	☑	☐	☐			
	☐	☐	☐			

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	☐	☑	☐	4	Apex Laboratories, Portland, OR
2	☐	☑	☐	4	Apex Laboratories, Portland, OR
3	☐	☑	☐	2	Apex Laboratories, Portland, OR
3A	☐	☑	☐	2	Apex Laboratories, Portland, OR
	☐	☐	☐		

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.)


ACC-10-12
ACC-9-12
ACC-8-12
ACC-7-12
Google Earth
Image © 2024 Airbus


k Gasoline split UST
k Diesel split UST
5k Gasoline split UST
1-12
CC-13-12
-14-12
12k Diesel split UST
N
80 ft


ACC-25-3.0
ACC-23-2.0
ACC-24-3.0
ACC-4-2.5
ACC-3-2.5
Acc-2-2.5
Acc-1-2.5
Under Ground Product Piping
Google Earth
Image © 2024 Airbus


ACC-15-2.0
ACC-17-1.5
ACC-20-1.0
ACC-6-2.0
ACC-16-1.5
ACC-18-2.0
ACC-22-1.5
ACC-5-2.5
N
80 ft

Sample Identification	Sample Depth (feet bgs)	Sample Date	PID	Total Petroleum Hydrocarbons (mg/kg)			RBDM VOCs										
				GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylenes, total	Methyl tert-butyl Ether (MTBE)	Napthalene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane (EDC)	Isopropylbenzene	1,2,4-TrimethylBenzene	1,3,5 Trimethylbenzene
ACC-1-2.5	2.5	05/02/24		**31.5**	**7500**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-2-2.5	2.5	05/02/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-3-2.5	2.5	05/02/24	7.5	**51.1**	**193**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-4-2.5	2.5	05/02/24	1.2	*ND*	**95.6**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-5-2.5	2.5	05/02/24	58.3	**388**	**3860**	*ND*	*ND*	*ND*	**0.186**	*ND*	*ND*	*ND*	*ND*	*ND*	**0.371**	*ND*	*ND*
ACC-6-2.0	2.0	05/02/24	58.2	**439**	**15000**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	**2.22**	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-7-12	12.0	05/02/24	0.1	*ND*	**357**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-8-12	12.0	05/02/24		**135**	**1020**	*ND*	*ND*	**0.0736**	**0.148**	**1.164**	*ND*	**0.523**	*ND*	*ND*	**0.067**	*ND*	*ND*
ACC-9-12	12.0	05/02/24	81.3	**698**	**171**	*ND*	*ND*	**1.24**	**0.771**	**11.04**	*ND*	**5.94**	*ND*	*ND*	**0.128**	*ND*	*ND*
ACC-10-12	12.0	05/02/24	24.3	**20.5**	**33.8**	*ND*	*ND*	*ND*	*ND*	**0.033**	*ND*	**0.195**	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-11-12	12.0	05/02/24	146.8	**57.4**	**167**	*ND*	**0.0779**	*ND*	**0.369**	*ND*	*ND*	**0.334**	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-12-12	12.0	05/02/24	13.6	*ND*	**91.9**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-13-12	12.0	5/2/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-14-12	12.0	5/2/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-15-2.0	2.0	5/2/24	81.3	**112**	**13800**	*ND*	*ND*	*ND*	**0.152**	**1.73**	*ND*	**0.66**	*ND*	**0.061**	**0.272**	**2.92**	**1.04**
ACC-16-1.5	1.5	5/2/24	0.3	**32.3**	**7470**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-17-1.5	1.5	5/2/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-18-2.0	2.0	5/2/24	0.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-20-1.0	1.0	5/2/24	0.0	*ND*	**116**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-22-1.5	1.5	5/7/24	0.0	*ND*	*ND*	**3690**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-23-2.0	2	5/7/24	368.0	**438**	**3970**	*ND*	*ND*	**0.555**	*ND*	**1.3**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-24-3.0	3	5/7/24	11.5	*ND*	**82.3**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-25-3.0	3	5/7/24	1158.0	**4980**	**12600**	*ND*	**12.3**	**4.33**	**58.9**	**295**	*ND*	**18**	*ND*	*ND*	**5.75**	**102**	**30.3**
Applicable DEQ Risk-Based Concentrations[1]																	
	Soil Ingestion, Dermal Contact, and Inhalation (RBC_{ss})																
	Residential			1,200	1,100	1,100	8.20	>Csat	34.00	>Csat	250	5.30	0.16	3.6	>Csat	430	>Csat
	Occupational Worker			20,000	14,000	14,000	37	>Csat	150	>Csat	1100	23	0.73	16	>Csat	>Csat	>Csat
	Construction Worker			9,700	4,600	4,600	380	>Csat	>Csat	>Csat	>Csat	580	9	20	>Csat	>Csat	>Csat

Excavation Worker	>Max	>Max	>Max	1,100	>Csat	>Csat	>Csat	>Csat	16,000	250	>Csat	>Csat	>Csat	>Csat
Leaching to Groundwater (RBC $_{sw}$)														
Residential	31	9,500	9,500	0.023	84	0.22	23	0.11	0.077	0.15	3.4	96	10	11
Occupational	130	>Max	>Max	0.1	490	0.9	100	0.54	0.34	0.65	15	>Csat	48	53
Volatilization to Outdoor Air (RBC $_{so}$)														
Residential	5,900	>Max	>Max	11.0	>Csat	36	>Csat	340	6.4	0.00012	0.0028	>Csat	>Csat	>Csat
Occupational	69,000	>Max	>Max	50.0	>Csat	160	>Csat	1500	83	0.013	0.013	>Csat	>Csat	>Csat

NOTES:

bgs = below ground surface

Chemical analyses performed by APEX Labs of Tigard, Oregon.

Gasoline-Range Total Petroleum Hydrocarbons (GRPH) analyzed by Northwest Method NWTPH-Gx.

Diesel-Range Total Petroleum Hydrocarbons (DRPH) analyzed by Northwest Method NWTPH-Dx.

Oil-Range Total Petroleum Hydrocarbons (ORPH) analyzed by Northwest Method NWTPH-Dx.

Polycyclic aromatic hydrocarbons analyzed by EPA Method 8270.

[1]Oregon Department of Environmental Quality (DEQ). Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites.

mg/kg = milligrams per kilogram (parts per million)

Bold indicates a detection above Method Reporting Limits (MRLs).

Red type indicates the detected concentrations exceeds one or more of the respective RBCs .

"<" indicates the analyte was not detected above MRLs.

>Csat = this soil RBC exceeds the limit of three-phase equillibrium partitioning.

>Max = this constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg. Therefore, this substance is deemed to not pose risks in this scenario.

I. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher:	Type/Size:	ABC/20 lb	Recharge Date:	7/5/2023
Combustible Gas Detector:	Model:	Ventis MX4	Calibration Date:	5/1/2024
Oxygen Analyzer:	Model:		Calibration Date:	

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: 2" minus structural fill	✓			

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: Ventilated Meter reading: 4%	✓			
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: 5/7/2024	✓			
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: Marti SHarp
(Please Print)

Permittee or Tank Owner: Marti SHarp Date:
(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: David Borys
(Please Print)

Licensed Supervisor: Date: 5/22/2024
(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: Mike Todd
Licensed Service Provider *(Please Print)*

Executive Officer: Date: 5/22/2024
Licensed Service Provider *(Signature)*

O. REPORT FILING:

This report signed by the permittee or tank owner, licensed supervisor and executive officer of the Service Provider, complete with all applicable attachments, must be filed with the DEQ regional office within 30 days after the excavation is backfilled or change-in-service is complete. **Do not wait until any site related cleanup project is completed.** Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets of contamination, etc.).

P. HELP WITH THIS REPORT:

If you have any questions about this decommissioning checklist and site assessment report, please phone your DEQ Regional Office. You can also phone the UST Program's toll-free number, 1-800-742-7878. This is a message answering machine for calls made within Oregon. Underground Storage Tank Program staff will return your calls within 24 hours. You can also send an e-mail to tanks.info@deq.oregon.gov. Our regional staff are also available to answer questions regarding tank decommissioning or change-in-service requirements (see below for telephone numbers).

Q. COPIES OF THE GENERAL PERMIT TO DECOMMISSION OR COMPLETE A CHANGE-IN-SERVICE:

Obtain copies of the general permit to decommission or complete a change-in-service conditions and requirements, UST Program rules and laws and UST Cleanup rules and laws at:

1. Any of the DEQ offices listed below,
2. By calling the UST HELPLINE at 1-800-742-7878,
3. Send an e-mail to tanks.info@deq.oregon.gov or
4. Downloading from the UST home page at:

https://www.oregon.gov/deq/tanks/Pages/UST-Forms.aspx

NORTHWEST REGION	WESTERN REGION / EUGENE	WESTERN REGION / MEDFORD
700 NE MULTNOMAH ST.	165 EAST 7TH AVE., SUITE 100	221 STEWART AVE., SUITE 201
PORTLAND, OR 97232 Phone:	EUGENE, OR 97401	MEDFORD, OR 97501
503-229-5263	Phone: 541-686-7838	Phone: 541-776-6010
Fax: 503-229-6945	Fax: 541-686-7551	Fax: 541-776-6262

SWIFT & McCORMICK
Metal Processors Inc.

3192 N.E. Sedgewick
Redmond, Oregon 97756
(541) 548-4448 or (800) 992-8864

CASH AMT 110.00
CHECK AMT 220.00

5-2 20 24

	Price	Weight	Amount
No. 1 Copper			
No. 2 Copper			
Insulated Copper			
Radiators	2300		
Yellow Brass	7060		
Cop / Alum			
Die Cast			
Stainless Steel			
Stainless Steel Shavings	41060		
Aluminum	36000		
Aluminum Shavings			
Dirty Aluminum			
Comp / Electric Mtr			
Iron	2052	11.000	
	14560		
			20-
Total amount			

I, _____ Print _____
Affirm under penalty of law that the property I am selling in this transaction is not, to the best of my knowledge, stolen property.

Address David Borges
City _____
Telephone _____
Employee _____ Veh Lic # _____
Vehicle Desc McFarlane
Time in: _____ Time out: 3:38

SWIFT & McCORMICK
Metal Processors Inc.

3192 N.E. Sedgewick
Redmond, Oregon 97756
(541) 548-4448 or (800) 992-8864

CASH AMT 195.00
CHECK AMT 397.00

5-2 20 24

	Price	Weight	Amount
No. 1 Copper			
No. 2 Copper			
Insulated Copper	22960		
Radiators	7150		
Yellow Brass			
Cop / Alum			
Die Cast			
Stainless Steel			
Stainless Steel Shavings			
Aluminum			
Aluminum Shavings			
Dirty Aluminum	clean		
Comp / Electric Mtr			
Iron	28140	49640	
	21500	30080	
Total amount			19520

I, _____ Print _____
Affirm under penalty of law that the property I am selling in this transaction is not, to the best of my knowledge, stolen property.

Address McFarlane
City David Borges
Telephone 360-719-0682
Employee _____ Veh Lic # _____
Vehicle Desc _____
Time in: 11:52 Time out: 12:28

Orrco™
The oil recycler.
Oil Re-Refining Company, Inc.

Invoice

Date	Invoice #
5/6/2024	464998

Bill To

Peak Environmental LLC
7202 NE Hwy 99
Ste 106-182
Vancouver, WA 98665

Ship To

Carson Oil
Job#2024-017

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	6/5/2024	5/2/2024	R1240502002	32906

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1		
Wastewater (fue...	For recycling, CDT test:	Gal	1,000		

Total

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits
Balance Due

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

Orrco
The oil recycler.
Oil Re-Refining Company, Inc.

Invoice

Date	Invoice #
5/13/2024	465177

Bill To	Ship To
Peak Environmental LLC 7202 NE Hwy 99 Ste 106-182 Vancouver, WA 98665	Job#2024-017

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	6/12/2024	5/9/2024	R1240509008	32906

Item Code	Description	U/M	Quantity	Price Each	Amount
Truck Wash Out	Truck Wash Out	Ea	1		
XRF Analysis T...	XRF Analysis Testing In House	Ea	1		
Wastewater (fue...	For recycling, CDT test:	Gal	300		
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	100		

Job: 2024-017 Div:
Code: 58300 Acct:
Approved: DEB Entered:
Date: 5/14/24 Date:

	Total

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits
Balance Due
We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

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

ANALYTICAL REPORT

Wednesday, May 15, 2024

Chris Sheridan
ACC Environmental Consultants, Inc.
3925 NE 72nd Ave. Suite 103
Vancouver, WA 98661

RE: A4E1121 - O'Neil Demo - 10026-010

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 A4E1121, which was received by the laboratory on 5/10/2024 at 9:17:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: cobrien@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	2.5	degC

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory.

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

ANALYTICAL REPORT

ACC Environmental Consultants, Inc.	Project: O'Neil Demo	
3925 NE 72nd Ave. Suite 103	Project Number: 10026-010	Report ID:
Vancouver, WA 98661	Project Manager: Chris Sheridan	A4E1121 - 05 15 24 1751

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ACC-21-1	A4E1121-01	Soil	05/07/24 09:44	05/10/24 09:17
ACC-22-1.5	A4E1121-02	Soil	05/07/24 12:05	05/10/24 09:17
ACC-23-2.0	A4E1121-03	Soil	05/07/24 13:55	05/10/24 09:17
ACC-24-3.0	A4E1121-04	Soil	05/07/24 14:05	05/10/24 09:17
ACC-25-3.0	A4E1121-05	Soil	05/07/24 14:38	05/10/24 09:17
ACC-26-13	A4E1121-06	Soil	05/07/24 15:08	05/10/24 09:17
ACC-27-12	A4E1121-07	Soil	05/07/24 15:11	05/10/24 09:17
ACC-28-12	A4E1121-08	Soil	05/07/24 15:18	05/10/24 09:17
ACC-29-12	A4E1121-09	Soil	05/07/24 15:24	05/10/24 09:17
ACC-30-13	A4E1121-10	Soil	05/07/24 15:38	05/10/24 09:17
ACC-31-12	A4E1121-11	Soil	05/07/24 15:45	05/10/24 09:17
ACC-32-12	A4E1121-12	Soil	05/07/24 15:52	05/10/24 09:17
ACC-33-12	A4E1121-13	Soil	05/07/24 15:59	05/10/24 09:17
ACC-34-7	A4E1121-14	Soil	05/08/24 15:45	05/10/24 09:17
ACC-35-4	A4E1121-15	Soil	05/08/24 15:51	05/10/24 09:17
ACC-36-4	A4E1121-16	Soil	05/08/24 15:55	05/10/24 09:17
ACC-37-4	A4E1121-17	Soil	05/08/24 16:02	05/10/24 09:17
ACC-38-4.5	A4E1121-18	Soil	05/09/24 12:25	05/10/24 09:17
ACC-39-12	A4E1121-19	Soil	05/09/24 12:50	05/10/24 09:17
ACC-40-7	A4E1121-20	Soil	05/09/24 14:07	05/10/24 09:17
ACC-41-8.0	A4E1121-21	Soil	05/09/24 15:02	05/10/24 09:17
ACC-42-8.0	A4E1121-22	Soil	05/09/24 15:59	05/10/24 09:17

DRAFT REPORT

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-21-1 (A4E1121-01)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**12900**	---	214	mg/kg dry	10	05/13/24 21:55	NWTPH-Dx	
Oil	ND	---	429	mg/kg dry	10	05/13/24 21:55	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 71 %*		*Limits: 50-150 %*	*10*	*05/13/24 21:55*	*NWTPH-Dx*	*S-05*
ACC-22-1.5 (A4E1121-02)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	216	mg/kg dry	10	05/13/24 22:16	NWTPH-Dx	
Oil	**3690**	---	433	mg/kg dry	10	05/13/24 22:16	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*		*Limits: 50-150 %*	*10*	*05/13/24 22:16*	*NWTPH-Dx*	*S-05*
ACC-23-2.0 (A4E1121-03RE1)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**3970**	---	219	mg/kg dry	10	05/14/24 13:22	NWTPH-Dx	
Oil	ND	---	438	mg/kg dry	10	05/14/24 13:22	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 89 %*		*Limits: 50-150 %*	*10*	*05/14/24 13:22*	*NWTPH-Dx*	*S-05*
ACC-24-3.0 (A4E1121-04)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**82.3**	---	20.3	mg/kg dry	1	05/14/24 19:00	NWTPH-Dx	**F-11**
Oil	ND	---	40.5	mg/kg dry	1	05/14/24 19:00	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 89 %*		*Limits: 50-150 %*	*1*	*05/14/24 19:00*	*NWTPH-Dx*	
ACC-25-3.0 (A4E1121-05RE1)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**12600**	---	429	mg/kg dry	20	05/15/24 13:57	NWTPH-Dx	
Oil	ND	---	857	mg/kg dry	20	05/15/24 13:57	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: %*		*Limits: 50-150 %*	*20*	*05/15/24 13:57*	*NWTPH-Dx*	*S-01*
ACC-26-13 (A4E1121-06)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**75.0**	---	21.2	mg/kg dry	1	05/14/24 20:02	NWTPH-Dx	
Oil	ND	---	42.4	mg/kg dry	1	05/14/24 20:02	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 78 %*		*Limits: 50-150 %*	*1*	*05/14/24 20:02*	*NWTPH-Dx*	
ACC-27-12 (A4E1121-07)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	20.8	mg/kg dry	1	05/14/24 20:23	NWTPH-Dx	
Oil	ND	---	41.6	mg/kg dry	1	05/14/24 20:23	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 82 %*		*Limits: 50-150 %*	*1*	*05/14/24 20:23*	*NWTPH-Dx*	

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ANALYTICAL REPORT

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-28-12 (A4E1121-08)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	20.8	mg/kg dry	1	05/14/24 20:44	NWTPH-Dx	
Oil	ND	---	41.5	mg/kg dry	1	05/14/24 20:44	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 88 %*		*Limits: 50-150 %*	*1*	*05/14/24 20:44*	*NWTPH-Dx*	
ACC-29-12 (A4E1121-09)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**35.1**	---	22.8	mg/kg dry	1	05/14/24 21:04	NWTPH-Dx	
Oil	ND	---	45.6	mg/kg dry	1	05/14/24 21:04	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*		*Limits: 50-150 %*	*1*	*05/14/24 21:04*	*NWTPH-Dx*	
ACC-30-13 (A4E1121-10)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**27.4**	---	21.0	mg/kg dry	1	05/14/24 21:25	NWTPH-Dx	**F-11**
Oil	ND	---	42.0	mg/kg dry	1	05/14/24 21:25	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*1*	*05/14/24 21:25*	*NWTPH-Dx*	
ACC-31-12 (A4E1121-11)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	19.7	mg/kg dry	1	05/14/24 21:46	NWTPH-Dx	
Oil	ND	---	39.4	mg/kg dry	1	05/14/24 21:46	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*		*Limits: 50-150 %*	*1*	*05/14/24 21:46*	*NWTPH-Dx*	
ACC-32-12 (A4E1121-12)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	**29.5**	---	22.0	mg/kg dry	1	05/14/24 22:06	NWTPH-Dx	
Oil	ND	---	44.1	mg/kg dry	1	05/14/24 22:06	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*1*	*05/14/24 22:06*	*NWTPH-Dx*	
ACC-33-12 (A4E1121-13)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	23.1	mg/kg dry	1	05/14/24 22:27	NWTPH-Dx	
Oil	ND	---	46.2	mg/kg dry	1	05/14/24 22:27	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 64 %*		*Limits: 50-150 %*	*1*	*05/14/24 22:27*	*NWTPH-Dx*	
ACC-34-7 (A4E1121-14)				**Matrix: Soil**		**Batch: 24E0376**		
Diesel	**1460**	---	20.3	mg/kg dry	1	05/10/24 22:22	NWTPH-Dx	
Oil	ND	---	40.7	mg/kg dry	1	05/10/24 22:22	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 85 %*		*Limits: 50-150 %*	*1*	*05/10/24 22:22*	*NWTPH-Dx*	

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APEX LABORATORIES

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ANALYTICAL REPORT

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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
ACC-35-4 (A4E1121-15)				**Matrix: Soil**		**Batch: 24E0376**		
Diesel	**317**	---	22.0	mg/kg dry	1	05/10/24 22:42	NWTPH-Dx	
Oil	ND	---	43.9	mg/kg dry	1	05/10/24 22:42	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*1*	*05/10/24 22:42*	*NWTPH-Dx*	
ACC-36-4 (A4E1121-16)				**Matrix: Soil**		**Batch: 24E0376**		
Diesel	**111**	---	21.3	mg/kg dry	1	05/10/24 23:03	NWTPH-Dx	
Oil	ND	---	42.6	mg/kg dry	1	05/10/24 23:03	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 89 %*		*Limits: 50-150 %*	*1*	*05/10/24 23:03*	*NWTPH-Dx*	
ACC-37-4 (A4E1121-17)				**Matrix: Soil**		**Batch: 24E0376**		
Diesel	**1100**	---	22.4	mg/kg dry	1	05/10/24 23:23	NWTPH-Dx	
Oil	ND	---	44.8	mg/kg dry	1	05/10/24 23:23	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 88 %*		*Limits: 50-150 %*	*1*	*05/10/24 23:23*	*NWTPH-Dx*	
ACC-38-4.5 (A4E1121-18)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	20.9	mg/kg dry	1	05/14/24 22:48	NWTPH-Dx	
Oil	ND	---	41.8	mg/kg dry	1	05/14/24 22:48	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*1*	*05/14/24 22:48*	*NWTPH-Dx*	
ACC-39-12 (A4E1121-19)				**Matrix: Soil**		**Batch: 24E0376**		
Diesel	**326**	---	21.6	mg/kg dry	1	05/10/24 23:43	NWTPH-Dx	
Oil	ND	---	43.2	mg/kg dry	1	05/10/24 23:43	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*1*	*05/10/24 23:43*	*NWTPH-Dx*	
ACC-40-7 (A4E1121-20RE1)				**Matrix: Soil**		**Batch: 24E0376**		
Diesel	**2550**	---	43.8	mg/kg dry	2	05/13/24 07:31	NWTPH-Dx	
Oil	ND	---	87.7	mg/kg dry	2	05/13/24 07:31	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 91 %*		*Limits: 50-150 %*	*2*	*05/13/24 07:31*	*NWTPH-Dx*	*S-05*
ACC-41-8.0 (A4E1121-21)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	21.6	mg/kg dry	1	05/14/24 23:08	NWTPH-Dx	
Oil	ND	---	43.1	mg/kg dry	1	05/14/24 23:08	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 80 %*		*Limits: 50-150 %*	*1*	*05/14/24 23:08*	*NWTPH-Dx*	

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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
ACC-42-8.0 (A4E1121-22)				**Matrix: Soil**		**Batch: 24E0429**		
Diesel	ND	---	22.7	mg/kg dry	1	05/13/24 23:18	NWTPH-Dx	
Oil	ND	---	45.4	mg/kg dry	1	05/13/24 23:18	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 69 %*		*Limits: 50-150 %*	*1*	*05/13/24 23:18*	*NWTPH-Dx*	

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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
ACC-21-1 (A4E1121-01)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	**326**	---	9.45	mg/kg dry	100	05/14/24 19:00	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*104 %*	*Limits:* *50-150 %*	*1*	*05/14/24 19:00*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*	*1*	*05/14/24 19:00*	*NWTPH-Gx (MS)*	
ACC-22-1.5 (A4E1121-02)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	5.68	mg/kg dry	50	05/14/24 12:12	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*104 %*	*Limits:* *50-150 %*	*1*	*05/14/24 12:12*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 12:12*	*NWTPH-Gx (MS)*	
ACC-23-2.0 (A4E1121-03)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	**438**	---	20.0	mg/kg dry	200	05/14/24 19:27	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*103 %*	*Limits:* *50-150 %*	*1*	*05/14/24 19:27*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*100 %*	*50-150 %*	*1*	*05/14/24 19:27*	*NWTPH-Gx (MS)*	
ACC-24-3.0 (A4E1121-04)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	4.33	mg/kg dry	50	05/14/24 12:40	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*106 %*	*Limits:* *50-150 %*	*1*	*05/14/24 12:40*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 12:40*	*NWTPH-Gx (MS)*	
ACC-25-3.0 (A4E1121-05)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	**4980**	---	222	mg/kg dry	2000	05/14/24 20:22	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*101 %*	*Limits:* *50-150 %*	*1*	*05/14/24 20:22*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*99 %*	*50-150 %*	*1*	*05/14/24 20:22*	*NWTPH-Gx (MS)*	
ACC-26-13 (A4E1121-06)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	**8.42**	---	5.52	mg/kg dry	50	05/14/24 13:07	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*105 %*	*Limits:* *50-150 %*	*1*	*05/14/24 13:07*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*	*1*	*05/14/24 13:07*	*NWTPH-Gx (MS)*	
ACC-27-12 (A4E1121-07)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	5.26	mg/kg dry	50	05/14/24 13:34	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits:* *50-150 %*	*1*	*05/14/24 13:34*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 13:34*	*NWTPH-Gx (MS)*	

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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
ACC-28-12 (A4E1121-08)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	5.10	mg/kg dry	50	05/14/24 14:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*05/14/24 14:01*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 14:01*	*NWTPH-Gx (MS)*	
ACC-29-12 (A4E1121-09)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	6.23	mg/kg dry	50	05/14/24 14:28	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 104 %*	*Limits: 50-150 %*		*1*	*05/14/24 14:28*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*05/14/24 14:28*	*NWTPH-Gx (MS)*	
ACC-30-13 (A4E1121-10)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	5.58	mg/kg dry	50	05/14/24 14:55	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*05/14/24 14:55*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 14:55*	*NWTPH-Gx (MS)*	
ACC-31-12 (A4E1121-11)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	5.28	mg/kg dry	50	05/14/24 15:23	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*05/14/24 15:23*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 15:23*	*NWTPH-Gx (MS)*	
ACC-32-12 (A4E1121-12)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	5.52	mg/kg dry	50	05/14/24 15:50	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 105 %*	*Limits: 50-150 %*		*1*	*05/14/24 15:50*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 15:50*	*NWTPH-Gx (MS)*	
ACC-33-12 (A4E1121-13)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	7.12	mg/kg dry	50	05/14/24 16:17	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*05/14/24 16:17*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 16:17*	*NWTPH-Gx (MS)*	
ACC-34-7 (A4E1121-14)				**Matrix: Soil**		**Batch: 24E0439**		
Gasoline Range Organics	**803**	---	24.9	mg/kg dry	200	05/13/24 15:07	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*05/13/24 15:07*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*100 %*	*50-150 %*	*1*	*05/13/24 15:07*	*NWTPH-Gx (MS)*	

DRAFT REPORT

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ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-35-4 (A4E1121-15)				**Matrix: Soil**		**Batch: 24E0439**		
Gasoline Range Organics	**125**	---	6.30	mg/kg dry	50	05/13/24 14:13	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*104 %*	*Limits: 50-150 %*	*1*	*05/13/24 14:13*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*100 %*	*50-150 %*	*1*	*05/13/24 14:13*	*NWTPH-Gx (MS)*	
ACC-36-4 (A4E1121-16)				**Matrix: Soil**		**Batch: 24E0439**		
Gasoline Range Organics	**50.1**	---	6.05	mg/kg dry	50	05/13/24 12:51	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*103 %*	*Limits: 50-150 %*	*1*	*05/13/24 12:51*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*05/13/24 12:51*	*NWTPH-Gx (MS)*	
ACC-37-4 (A4E1121-17)				**Matrix: Soil**		**Batch: 24E0439**		
Gasoline Range Organics	**869**	---	28.9	mg/kg dry	200	05/13/24 16:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*05/13/24 16:01*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*100 %*	*50-150 %*	*1*	*05/13/24 16:01*	*NWTPH-Gx (MS)*	
ACC-38-4.5 (A4E1121-18)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	6.49	mg/kg dry	50	05/14/24 16:44	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*103 %*	*Limits: 50-150 %*	*1*	*05/14/24 16:44*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 16:44*	*NWTPH-Gx (MS)*	
ACC-39-12 (A4E1121-19)				**Matrix: Soil**		**Batch: 24E0439**		
Gasoline Range Organics	**33.6**	---	6.09	mg/kg dry	50	05/13/24 13:18	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits: 50-150 %*	*1*	*05/13/24 13:18*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*05/13/24 13:18*	*NWTPH-Gx (MS)*	
ACC-40-7 (A4E1121-20)				**Matrix: Soil**		**Batch: 24E0439**		
Gasoline Range Organics	**410**	---	7.95	mg/kg dry	50	05/13/24 13:46	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*05/13/24 13:46*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*05/13/24 13:46*	*NWTPH-Gx (MS)*	
ACC-41-8.0 (A4E1121-21)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	5.77	mg/kg dry	50	05/14/24 17:11	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*05/14/24 17:11*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*05/14/24 17:11*	*NWTPH-Gx (MS)*	

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ANALYTICAL REPORT

ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-42-8.0 (A4E1121-22)				**Matrix: Soil**		**Batch: 24E0490**		
Gasoline Range Organics	ND	---	9.07	mg/kg dry	50	05/14/24 17:38	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*104 %*	*Limits: 50-150 %*	*1*	*05/14/24 17:38*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*05/14/24 17:38*	*NWTPH-Gx (MS)*	

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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
ACC-21-1 (A4E1121-01)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0189	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
Toluene	ND	---	0.0945	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
Ethylbenzene	ND	---	0.0473	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
Xylenes, total	ND	---	0.142	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0945	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
Naphthalene	**1.57**	---	0.189	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0945	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0473	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
Isopropylbenzene	ND	---	0.0945	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0945	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
1,3,5-Trimethylbenzene	**2.57**	---	0.0945	mg/kg dry	100	05/14/24 19:00	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 19:00*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 19:00*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*05/14/24 19:00*	*5035A/8260D*	
ACC-22-1.5 (A4E1121-02)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0114	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
Toluene	ND	---	0.0568	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
Ethylbenzene	ND	---	0.0284	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
Xylenes, total	ND	---	0.0852	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0568	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
Naphthalene	ND	---	0.114	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0568	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0284	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
Isopropylbenzene	ND	---	0.0568	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0568	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0568	mg/kg dry	50	05/14/24 12:12	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 12:12*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 12:12*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*05/14/24 12:12*	*5035A/8260D*	
ACC-23-2.0 (A4E1121-03)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0401	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
Toluene	**0.555**	---	0.200	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
Ethylbenzene	ND	---	0.100	mg/kg dry	200	05/14/24 19:27	5035A/8260D	Q-42
Xylenes, total	**1.30**	---	0.300	mg/kg dry	200	05/14/24 19:27	5035A/8260D	

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-23-2.0 (A4E1121-03)				**Matrix: Soil**		**Batch: 24E0490**		
Methyl tert-butyl ether (MTBE)	ND	---	0.200	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
Naphthalene	ND	---	0.401	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.200	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.100	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
Isopropylbenzene	ND	---	0.200	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.200	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.200	mg/kg dry	200	05/14/24 19:27	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*05/14/24 19:27*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 19:27*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*05/14/24 19:27*	*5035A/8260D*	
ACC-24-3.0 (A4E1121-04)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.00865	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
Toluene	ND	---	0.0433	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
Ethylbenzene	ND	---	0.0216	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
Xylenes, total	ND	---	0.0649	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0433	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
Naphthalene	ND	---	0.0865	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0433	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0216	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
Isopropylbenzene	ND	---	0.0433	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0433	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0433	mg/kg dry	50	05/14/24 12:40	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/14/24 12:40*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 12:40*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*05/14/24 12:40*	*5035A/8260D*	
ACC-25-3.0 (A4E1121-05)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	**12.3**	---	0.444	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
Toluene	**4.33**	---	2.22	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
Ethylbenzene	**58.9**	---	1.11	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
Xylenes, total	**295**	---	3.33	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	2.22	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
Naphthalene	**18.0**	---	4.44	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	2.22	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	1.11	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	

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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
ACC-25-3.0 (A4E1121-05)				**Matrix: Soil**		**Batch: 24E0490**		
Isopropylbenzene	**5.75**	---	2.22	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
1,2,4-Trimethylbenzene	**102**	---	2.22	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
1,3,5-Trimethylbenzene	**30.3**	---	2.22	mg/kg dry	2000	05/14/24 20:22	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*05/14/24 20:22*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*05/14/24 20:22*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*05/14/24 20:22*	*5035A/8260D*	
ACC-26-13 (A4E1121-06)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0110	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
Toluene	ND	---	0.0552	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
Ethylbenzene	ND	---	0.0276	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
Xylenes, total	ND	---	0.0828	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0552	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
Naphthalene	ND	---	0.110	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0552	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0276	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
Isopropylbenzene	ND	---	0.0552	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0552	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
1,3,5-Trimethylbenzene	**0.0839**	---	0.0552	mg/kg dry	50	05/14/24 13:07	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/14/24 13:07*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 13:07*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*05/14/24 13:07*	*5035A/8260D*	
ACC-27-12 (A4E1121-07)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0105	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
Toluene	ND	---	0.0526	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
Ethylbenzene	ND	---	0.0263	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
Xylenes, total	ND	---	0.0789	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0526	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
Naphthalene	ND	---	0.105	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0526	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0263	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
Isopropylbenzene	ND	---	0.0526	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0526	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0526	mg/kg dry	50	05/14/24 13:34	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 13:34*	*5035A/8260D*	

DRAFT REPORT

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ACC Environmental Consultants, Inc.
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Vancouver, WA 98661

Project: **O'Neil Demo**
Project Number: **10026-010**
Project Manager: **Chris Sheridan**

Report ID:
A4E1121 - 05 15 24 1751

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
ACC-27-12 (A4E1121-07)				**Matrix: Soil**		**Batch: 24E0490**		
Surrogate: Toluene-d8 (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*05/14/24 13:34*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*05/14/24 13:34*	*5035A/8260D*	
ACC-28-12 (A4E1121-08)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0102	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
Toluene	ND	---	0.0510	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
Ethylbenzene	ND	---	0.0255	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
Xylenes, total	ND	---	0.0765	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0510	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
Naphthalene	ND	---	0.102	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0510	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0255	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
Isopropylbenzene	ND	---	0.0510	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0510	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0510	mg/kg dry	50	05/14/24 14:01	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/14/24 14:01*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 14:01*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*05/14/24 14:01*	*5035A/8260D*	
ACC-29-12 (A4E1121-09)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0125	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
Toluene	ND	---	0.0623	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
Ethylbenzene	ND	---	0.0311	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
Xylenes, total	ND	---	0.0934	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0623	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
Naphthalene	ND	---	0.125	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0623	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0311	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
Isopropylbenzene	ND	---	0.0623	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0623	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0623	mg/kg dry	50	05/14/24 14:28	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 14:28*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 14:28*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*05/14/24 14:28*	*5035A/8260D*	
ACC-30-13 (A4E1121-10)				**Matrix: Soil**		**Batch: 24E0490**		

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ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-30-13 (A4E1121-10)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0112	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
Toluene	ND	---	0.0558	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
Ethylbenzene	ND	---	0.0279	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
Xylenes, total	ND	---	0.0837	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0558	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
Naphthalene	ND	---	0.112	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0558	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0279	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
Isopropylbenzene	ND	---	0.0558	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0558	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0558	mg/kg dry	50	05/14/24 14:55	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/14/24 14:55*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 14:55*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*05/14/24 14:55*	*5035A/8260D*	
ACC-31-12 (A4E1121-11)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	**0.0153**	---	0.0106	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
Toluene	**0.0544**	---	0.0528	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
Ethylbenzene	ND	---	0.0264	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
Xylenes, total	**0.139**	---	0.0792	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0528	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
Naphthalene	ND	---	0.106	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0528	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0264	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
Isopropylbenzene	ND	---	0.0528	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0528	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0528	mg/kg dry	50	05/14/24 15:23	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 15:23*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/14/24 15:23*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*05/14/24 15:23*	*5035A/8260D*	
ACC-32-12 (A4E1121-12)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0110	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
Toluene	ND	---	0.0552	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
Ethylbenzene	ND	---	0.0276	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
Xylenes, total	ND	---	0.0829	mg/kg dry	50	05/14/24 15:50	5035A/8260D	

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Project: **O'Neil Demo**
Project Number: **10026-010**
Project Manager: **Chris Sheridan**

Report ID:
A4E1121 - 05 15 24 1751

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
ACC-32-12 (A4E1121-12)				**Matrix: Soil**		**Batch: 24E0490**		
Methyl tert-butyl ether (MTBE)	ND	---	0.0552	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
Naphthalene	ND	---	0.110	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0552	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0276	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
Isopropylbenzene	ND	---	0.0552	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0552	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0552	mg/kg dry	50	05/14/24 15:50	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 15:50*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 15:50*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*05/14/24 15:50*	*5035A/8260D*	
ACC-33-12 (A4E1121-13)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0142	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
Toluene	ND	---	0.0712	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
Ethylbenzene	ND	---	0.0356	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
Xylenes, total	ND	---	0.107	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0712	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
Naphthalene	ND	---	0.142	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0712	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0356	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
Isopropylbenzene	ND	---	0.0712	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0712	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0712	mg/kg dry	50	05/14/24 16:17	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 16:17*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/14/24 16:17*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*05/14/24 16:17*	*5035A/8260D*	
ACC-34-7 (A4E1121-14)				**Matrix: Soil**		**Batch: 24E0439**		
Benzene	ND	---	0.0498	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
Toluene	ND	---	0.249	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
Ethylbenzene	**0.959**	---	0.125	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
Xylenes, total	**1.29**	---	0.374	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.249	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
Naphthalene	**2.37**	---	0.498	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.249	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.125	mg/kg dry	200	05/13/24 15:07	5035A/8260D	

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-34-7 (A4E1121-14)				**Matrix: Soil**		**Batch: 24E0439**		
Isopropylbenzene	**0.598**	---	0.249	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
1,2,4-Trimethylbenzene	**10.7**	---	0.249	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
1,3,5-Trimethylbenzene	**0.513**	---	0.249	mg/kg dry	200	05/13/24 15:07	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/13/24 15:07*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/13/24 15:07*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*05/13/24 15:07*	*5035A/8260D*	
ACC-35-4 (A4E1121-15)				**Matrix: Soil**		**Batch: 24E0439**		
Benzene	ND	---	0.0126	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
Toluene	ND	---	0.0630	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
Ethylbenzene	ND	---	0.0315	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
Xylenes, total	**0.186**	---	0.0945	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0630	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
Naphthalene	ND	---	0.126	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0630	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0315	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
Isopropylbenzene	ND	---	0.0630	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
1,2,4-Trimethylbenzene	**0.592**	---	0.0630	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
1,3,5-Trimethylbenzene	**0.162**	---	0.0630	mg/kg dry	50	05/13/24 14:13	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/13/24 14:13*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/13/24 14:13*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*05/13/24 14:13*	*5035A/8260D*	
ACC-36-4 (A4E1121-16)				**Matrix: Soil**		**Batch: 24E0439**		
Benzene	**0.0169**	---	0.0121	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
Toluene	ND	---	0.0605	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
Ethylbenzene	**0.0441**	---	0.0302	mg/kg dry	50	05/13/24 12:51	5035A/8260D	**M-04**
Xylenes, total	**0.101**	---	0.0907	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0605	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
Naphthalene	ND	---	0.121	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0605	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0302	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
Isopropylbenzene	ND	---	0.0605	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
1,2,4-Trimethylbenzene	**0.456**	---	0.0605	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
1,3,5-Trimethylbenzene	**0.0919**	---	0.0605	mg/kg dry	50	05/13/24 12:51	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/13/24 12:51*	*5035A/8260D*	

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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
ACC-36-4 (A4E1121-16)				**Matrix: Soil**		**Batch: 24E0439**		
Surrogate: Toluene-d8 (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*05/13/24 12:51*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*05/13/24 12:51*	*5035A/8260D*	
ACC-37-4 (A4E1121-17)				**Matrix: Soil**		**Batch: 24E0439**		
Benzene	ND	---	0.0578	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
Toluene	ND	---	0.289	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
Ethylbenzene	**0.596**	---	0.145	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
Xylenes, total	**1.01**	---	0.434	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.289	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
Naphthalene	**2.84**	---	0.578	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.289	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.145	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
Isopropylbenzene	**0.627**	---	0.289	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
1,2,4-Trimethylbenzene	**10.4**	---	0.289	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.289	mg/kg dry	200	05/13/24 16:01	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/13/24 16:01*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/13/24 16:01*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*05/13/24 16:01*	*5035A/8260D*	
ACC-38-4.5 (A4E1121-18)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0130	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
Toluene	ND	---	0.0649	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
Ethylbenzene	ND	---	0.0324	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
Xylenes, total	ND	---	0.0973	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0649	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
Naphthalene	ND	---	0.130	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0649	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0324	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
Isopropylbenzene	ND	---	0.0649	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0649	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0649	mg/kg dry	50	05/14/24 16:44	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 16:44*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/14/24 16:44*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*05/14/24 16:44*	*5035A/8260D*	
ACC-39-12 (A4E1121-19)				**Matrix: Soil**		**Batch: 24E0439**		

DRAFT REPORT

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-39-12 (A4E1121-19)				**Matrix: Soil**		**Batch: 24E0439**		
Benzene	ND	---	0.0122	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
Toluene	ND	---	0.0609	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
Ethylbenzene	ND	---	0.0305	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
Xylenes, total	ND	---	0.0914	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0609	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
Naphthalene	ND	---	0.122	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0609	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0305	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
Isopropylbenzene	ND	---	0.0609	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0609	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0609	mg/kg dry	50	05/13/24 13:18	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*05/13/24 13:18*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/13/24 13:18*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*05/13/24 13:18*	*5035A/8260D*	
ACC-40-7 (A4E1121-20)				**Matrix: Soil**		**Batch: 24E0439**		
Benzene	ND	---	0.0159	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
Toluene	ND	---	0.0795	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
Ethylbenzene	ND	---	0.0397	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
Xylenes, total	ND	---	0.119	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0795	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
Naphthalene	**1.63**	---	0.159	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0795	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0397	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
Isopropylbenzene	ND	---	0.0795	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
1,2,4-Trimethylbenzene	**3.43**	---	0.0795	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
1,3,5-Trimethylbenzene	**1.11**	---	0.0795	mg/kg dry	50	05/13/24 13:46	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*05/13/24 13:46*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/13/24 13:46*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*05/13/24 13:46*	*5035A/8260D*	
ACC-41-8.0 (A4E1121-21)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0115	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
Toluene	ND	---	0.0577	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
Ethylbenzene	ND	---	0.0289	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
Xylenes, total	ND	---	0.0866	mg/kg dry	50	05/14/24 17:11	5035A/8260D	

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Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
ACC-41-8.0 (A4E1121-21)				**Matrix: Soil**		**Batch: 24E0490**		
Methyl tert-butyl ether (MTBE)	ND	---	0.0577	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
Naphthalene	ND	---	0.115	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0577	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0289	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
Isopropylbenzene	ND	---	0.0577	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0577	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0577	mg/kg dry	50	05/14/24 17:11	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 17:11*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/14/24 17:11*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*05/14/24 17:11*	*5035A/8260D*	
ACC-42-8.0 (A4E1121-22)				**Matrix: Soil**		**Batch: 24E0490**		
Benzene	ND	---	0.0181	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
Toluene	ND	---	0.0907	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
Ethylbenzene	ND	---	0.0454	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
Xylenes, total	ND	---	0.136	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0907	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
Naphthalene	ND	---	0.181	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0907	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0454	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
Isopropylbenzene	ND	---	0.0907	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0907	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0907	mg/kg dry	50	05/14/24 17:38	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/14/24 17:38*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*05/14/24 17:38*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*05/14/24 17:38*	*5035A/8260D*	

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Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
ACC-21-1 (A4E1121-01)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**84.1**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-22-1.5 (A4E1121-02)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**82.1**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-23-2.0 (A4E1121-03)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**82.8**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-24-3.0 (A4E1121-04)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**86.6**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-25-3.0 (A4E1121-05)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**81.7**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-26-13 (A4E1121-06)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**82.9**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-27-12 (A4E1121-07)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**84.7**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-28-12 (A4E1121-08)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**82.4**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-29-12 (A4E1121-09)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**79.7**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-30-13 (A4E1121-10)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**80.1**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-31-12 (A4E1121-11)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**88.3**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-32-12 (A4E1121-12)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	**79.7**	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-33-12 (A4E1121-13)				**Matrix: Soil**		**Batch: 24E0436**		

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ANALYTICAL REPORT

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Vancouver, WA 98661	Project Manager: Chris Sheridan	A4E1121 - 05 15 24 1751

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
ACC-33-12 (A4E1121-13)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	77.2	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-34-7 (A4E1121-14)				**Matrix: Soil**		**Batch: 24E0392**		
% Solids	82.4	---	1.00	%	1	05/13/24 07:27	EPA 8000D	
ACC-35-4 (A4E1121-15)				**Matrix: Soil**		**Batch: 24E0392**		
% Solids	80.6	---	1.00	%	1	05/13/24 07:27	EPA 8000D	
ACC-36-4 (A4E1121-16)				**Matrix: Soil**		**Batch: 24E0392**		
% Solids	82.5	---	1.00	%	1	05/13/24 07:27	EPA 8000D	
ACC-37-4 (A4E1121-17)				**Matrix: Soil**		**Batch: 24E0392**		
% Solids	80.0	---	1.00	%	1	05/13/24 07:27	EPA 8000D	
ACC-38-4.5 (A4E1121-18)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	86.4	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-39-12 (A4E1121-19)				**Matrix: Soil**		**Batch: 24E0392**		
% Solids	83.2	---	1.00	%	1	05/13/24 07:27	EPA 8000D	
ACC-40-7 (A4E1121-20)				**Matrix: Soil**		**Batch: 24E0392**		
% Solids	81.0	---	1.00	%	1	05/13/24 07:27	EPA 8000D	
ACC-41-8.0 (A4E1121-21)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	84.0	---	1.00	%	1	05/14/24 06:33	EPA 8000D	
ACC-42-8.0 (A4E1121-22)				**Matrix: Soil**		**Batch: 24E0436**		
% Solids	77.5	---	1.00	%	1	05/14/24 06:33	EPA 8000D	

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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 24E0376 - EPA 3546 (Fuels)									Soil			
Blank (24E0376-BLK1)			Prepared: 05/10/24 06:16 Analyzed: 05/10/24 19:58									
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (24E0376-BS1)			Prepared: 05/10/24 06:16 Analyzed: 05/10/24 20:19									
NWTPH-Dx												
Diesel	126	---	20.0	mg/kg wet	1	125	---	101	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 105 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0429 - EPA 3546 (Fuels)									Soil			
Blank (24E0429-BLK1)			Prepared: 05/13/24 05:42 Analyzed: 05/13/24 19:10									
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 93 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (24E0429-BS1)			Prepared: 05/13/24 05:42 Analyzed: 05/13/24 19:30									
NWTPH-Dx												
Diesel	108	---	20.0	mg/kg wet	1	125	---	86	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 95 %*	*Limits: 50-150 %*			*Dilution: 1x*					
Duplicate (24E0429-DUP2)			Prepared: 05/13/24 10:35 Analyzed: 05/13/24 23:38									
QC Source Sample: ACC-42-8.0 (A4E1121-22)												
NWTPH-Dx												
Diesel	ND	---	22.8	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	45.5	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 82 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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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 24E0439 - EPA 5035A							Soil					
Blank (24E0439-BLK1)		Prepared: 05/13/24 09:00 Analyzed: 05/13/24 11:30										
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*102 %*		*50-150 %*			*"*					
LCS (24E0439-BS2)		Prepared: 05/13/24 09:00 Analyzed: 05/13/24 11:02										
NWTPH-Gx (MS)												
Gasoline Range Organics	26.3	---	5.00	mg/kg wet	50	25.0	---	105	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*100 %*		*50-150 %*			*"*					
Duplicate (24E0439-DUP1)		Prepared: 05/08/24 15:45 Analyzed: 05/13/24 15:34										
QC Source Sample: ACC-34-7 (A4E1121-14)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**837**	---	24.9	mg/kg dry	200	---	803	---	---	4	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*100 %*		*50-150 %*			*"*					

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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 24E0490 - EPA 5035A							**Soil**					
Blank (24E0490-BLK1)		Prepared: 05/14/24 08:34 Analyzed: 05/14/24 11:45										
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)		*102 %*	*50-150 %*		*"*							
LCS (24E0490-BS2)		Prepared: 05/14/24 08:34 Analyzed: 05/14/24 11:18										
NWTPH-Gx (MS)												
Gasoline Range Organics	26.2	---	5.00	mg/kg wet	50	25.0	---	105	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 98 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*101 %*	*50-150 %*		*"*							
Duplicate (24E0490-DUP1)		Prepared: 05/07/24 13:55 Analyzed: 05/14/24 19:54										
QC Source Sample: ACC-23-2.0 (A4E1121-03)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**444**	---	20.0	mg/kg dry	200	---	438	---	---	2	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*99 %*	*50-150 %*		*"*							
Duplicate (24E0490-DUP2)		Prepared: 05/07/24 14:38 Analyzed: 05/14/24 20:49										
QC Source Sample: ACC-25-3.0 (A4E1121-05)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**4890**	---	222	mg/kg dry	2000	---	4980	---	---	2	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*Dilution: 1x*							
1,4-Difluorobenzene (Sur)		*99 %*	*50-150 %*		*"*							

DRAFT REPORT

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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 24E0439 - EPA 5035A							**Soil**					
Blank (24E0439-BLK1)		Prepared: 05/13/24 09:00 Analyzed: 05/13/24 11:30										
5035A/8260D												
Benzene	ND	---	0.0100	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0250	mg/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	0.0750	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.100	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0250	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				
LCS (24E0439-BS1)		Prepared: 05/13/24 09:00 Analyzed: 05/13/24 10:35										
5035A/8260D												
Benzene	1.02	---	0.0100	mg/kg wet	50	1.00	---	102	80 - 120%	---	---	
Toluene	0.981	---	0.0500	mg/kg wet	50	1.00	---	98	80 - 120%	---	---	
Ethylbenzene	1.06	---	0.0250	mg/kg wet	50	1.00	---	106	80 - 120%	---	---	
Xylenes, total	3.26	---	0.0750	mg/kg wet	50	3.00	---	109	80 - 120%	---	---	
Methyl tert-butyl ether (MTBE)	1.04	---	0.0500	mg/kg wet	50	1.00	---	104	80 - 120%	---	---	
Naphthalene	0.895	---	0.100	mg/kg wet	50	1.00	---	90	80 - 120%	---	---	
1,2-Dibromoethane (EDB)	1.08	---	0.0500	mg/kg wet	50	1.00	---	108	80 - 120%	---	---	
1,2-Dichloroethane (EDC)	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80 - 120%	---	---	
Isopropylbenzene	1.10	---	0.0500	mg/kg wet	50	1.00	---	110	80 - 120%	---	---	
1,2,4-Trimethylbenzene	1.10	---	0.0500	mg/kg wet	50	1.00	---	110	80 - 120%	---	---	
1,3,5-Trimethylbenzene	1.14	---	0.0500	mg/kg wet	50	1.00	---	114	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*102 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Duplicate (24E0439-DUP1)		Prepared: 05/08/24 15:45 Analyzed: 05/13/24 15:34										

DRAFT REPORT

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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 24E0439 - EPA 5035A							**Soil**					
Duplicate (24E0439-DUP1)		Prepared: 05/08/24 15:45 Analyzed: 05/13/24 15:34										
QC Source Sample: ACC-34-7 (A4E1121-14)												
5035A/8260D												
Benzene	ND	---	0.0498	mg/kg dry	200	---	0.0423	---	---	***	30%	
Toluene	ND	---	0.249	mg/kg dry	200	---	ND	---	---	---	30%	
Ethylbenzene	**0.991**	---	0.125	mg/kg dry	200	---	0.959	---	---	3	30%	
Xylenes, total	**1.35**	---	0.374	mg/kg dry	200	---	1.29	---	---	5	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.249	mg/kg dry	200	---	ND	---	---	---	30%	
Naphthalene	**2.53**	---	0.498	mg/kg dry	200	---	2.37	---	---	6	30%	
1,2-Dibromoethane (EDB)	ND	---	0.249	mg/kg dry	200	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.125	mg/kg dry	200	---	ND	---	---	---	30%	
Isopropylbenzene	**0.618**	---	0.249	mg/kg dry	200	---	0.598	---	---	3	30%	
1,2,4-Trimethylbenzene	**11.2**	---	0.249	mg/kg dry	200	---	10.7	---	---	4	30%	
1,3,5-Trimethylbenzene	**0.516**	---	0.249	mg/kg dry	200	---	0.513	---	---	0.5	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*				*"*			
Matrix Spike (24E0439-MS1)		Prepared: 05/08/24 16:02 Analyzed: 05/13/24 16:29										
QC Source Sample: ACC-37-4 (A4E1121-17)												
5035A/8260D												
Benzene	6.07	---	0.0578	mg/kg dry	200	5.78	ND	105	77 - 121%	---	---	
Toluene	5.89	---	0.289	mg/kg dry	200	5.78	ND	102	77 - 121%	---	---	
Ethylbenzene	7.07	---	0.145	mg/kg dry	200	5.78	0.596	112	76 - 122%	---	---	
Xylenes, total	21.6	---	0.434	mg/kg dry	200	17.3	1.01	119	78 - 124%	---	---	
Methyl tert-butyl ether (MTBE)	6.09	---	0.289	mg/kg dry	200	5.78	ND	105	73 - 125%	---	---	
Naphthalene	8.89	---	0.578	mg/kg dry	200	5.78	2.84	105	62 - 129%	---	---	
1,2-Dibromoethane (EDB)	6.50	---	0.289	mg/kg dry	200	5.78	ND	112	78 - 122%	---	---	
1,2-Dichloroethane (EDC)	5.97	---	0.145	mg/kg dry	200	5.78	ND	103	73 - 128%	---	---	
Isopropylbenzene	7.79	---	0.289	mg/kg dry	200	5.78	0.627	124	68 - 134%	---	---	
1,2,4-Trimethylbenzene	16.6	---	0.289	mg/kg dry	200	5.78	10.4	108	75 - 123%	---	---	
1,3,5-Trimethylbenzene	6.94	---	0.289	mg/kg dry	200	5.78	0.269	115	73 - 124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*101 %*		*80-120 %*				*"*			

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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 24E0439 - EPA 5035A												**Soil**
Matrix Spike (24E0439-MS1)			Prepared: 05/08/24 16:02 Analyzed: 05/13/24 16:29									
QC Source Sample: ACC-37-4 (A4E1121-17)												
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 101 %*	*Limits: 79-120 %*			*Dilution: 1x*					

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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 24E0490 - EPA 5035A							**Soil**					
Blank (24E0490-BLK1)		Prepared: 05/14/24 08:34 Analyzed: 05/14/24 11:45										
5035A/8260D												
Benzene	ND	---	0.0100	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0250	mg/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	0.0750	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.100	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0250	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*101 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*100 %*		*79-120 %*			*"*					
LCS (24E0490-BS1)		Prepared: 05/14/24 08:34 Analyzed: 05/14/24 10:51										
5035A/8260D												
Benzene	1.01	---	0.0100	mg/kg wet	50	1.00	---	101	80 - 120%	---	---	
Toluene	0.980	---	0.0500	mg/kg wet	50	1.00	---	98	80 - 120%	---	---	
Ethylbenzene	1.08	---	0.0250	mg/kg wet	50	1.00	---	108	80 - 120%	---	---	
Xylenes, total	3.38	---	0.0750	mg/kg wet	50	3.00	---	113	80 - 120%	---	---	
Methyl tert-butyl ether (MTBE)	1.04	---	0.0500	mg/kg wet	50	1.00	---	104	80 - 120%	---	---	
Naphthalene	0.944	---	0.100	mg/kg wet	50	1.00	---	94	80 - 120%	---	---	
1,2-Dibromoethane (EDB)	1.12	---	0.0500	mg/kg wet	50	1.00	---	112	80 - 120%	---	---	
1,2-Dichloroethane (EDC)	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80 - 120%	---	---	
Isopropylbenzene	1.13	---	0.0500	mg/kg wet	50	1.00	---	113	80 - 120%	---	---	
1,2,4-Trimethylbenzene	1.14	---	0.0500	mg/kg wet	50	1.00	---	114	80 - 120%	---	---	
1,3,5-Trimethylbenzene	1.18	---	0.0500	mg/kg wet	50	1.00	---	118	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*101 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*102 %*		*79-120 %*			*"*					
Duplicate (24E0490-DUP1)		Prepared: 05/07/24 13:55 Analyzed: 05/14/24 19:54										

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Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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 24E0490 - EPA 5035A							**Soil**					
Duplicate (24E0490-DUP1)		Prepared: 05/07/24 13:55 Analyzed: 05/14/24 19:54										
QC Source Sample: ACC-23-2.0 (A4E1121-03)												
5035A/8260D												
Benzene	ND	---	0.0401	mg/kg dry	200	---	0.0360	---	---	***	30%	
Toluene	**0.591**	---	0.200	mg/kg dry	200	---	0.555	---	---	6	30%	
Ethylbenzene	ND	---	0.100	mg/kg dry	200	---	ND	---	---	**---**	**30%**	Q-17
Xylenes, total	**1.33**	---	0.300	mg/kg dry	200	---	1.30	---	---	3	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.200	mg/kg dry	200	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.401	mg/kg dry	200	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.200	mg/kg dry	200	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.100	mg/kg dry	200	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	0.200	mg/kg dry	200	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	0.200	mg/kg dry	200	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	0.200	mg/kg dry	200	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*100 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*100 %*		*79-120 %*			*"*					
Duplicate (24E0490-DUP2)		Prepared: 05/07/24 14:38 Analyzed: 05/14/24 20:49										
QC Source Sample: ACC-25-3.0 (A4E1121-05)												
5035A/8260D												
Benzene	**12.0**	---	0.444	mg/kg dry	2000	---	12.3	---	---	3	30%	
Toluene	**4.24**	---	2.22	mg/kg dry	2000	---	4.33	---	---	2	30%	
Ethylbenzene	**58.9**	---	1.11	mg/kg dry	2000	---	58.9	---	---	0.1	30%	
Xylenes, total	**293**	---	3.33	mg/kg dry	2000	---	295	---	---	0.7	30%	
Methyl tert-butyl ether (MTBE)	ND	---	2.22	mg/kg dry	2000	---	ND	---	---	---	30%	
Naphthalene	**19.1**	---	4.44	mg/kg dry	2000	---	18.0	---	---	6	30%	
1,2-Dibromoethane (EDB)	ND	---	2.22	mg/kg dry	2000	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	1.11	mg/kg dry	2000	---	ND	---	---	---	30%	
Isopropylbenzene	**5.57**	---	2.22	mg/kg dry	2000	---	5.75	---	---	3	30%	
1,2,4-Trimethylbenzene	**103**	---	2.22	mg/kg dry	2000	---	102	---	---	1	30%	
1,3,5-Trimethylbenzene	**31.2**	---	2.22	mg/kg dry	2000	---	30.3	---	---	3	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 97 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*100 %*		*80-120 %*			*"*					

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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 24E0490 - EPA 5035A							**Soil**					
Duplicate (24E0490-DUP2)		Prepared: 05/07/24 14:38 Analyzed: 05/14/24 20:49										
QC Source Sample: ACC-25-3.0 (A4E1121-05)												
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 103 %*	*Limits: 79-120 %*			*Dilution: 1x*					
Matrix Spike (24E0490-MS1)		Prepared: 05/09/24 15:59 Analyzed: 05/14/24 18:06										
QC Source Sample: ACC-42-8.0 (A4E1121-22)												
5035A/8260D												
Benzene	1.74	---	0.0181	mg/kg dry	50	1.82	ND	96	77 - 121%	---	---	
Toluene	1.65	---	0.0907	mg/kg dry	50	1.82	ND	91	77 - 121%	---	---	
Ethylbenzene	1.81	---	0.0454	mg/kg dry	50	1.82	ND	100	76 - 122%	---	---	
Xylenes, total	5.57	---	0.136	mg/kg dry	50	5.45	ND	102	78 - 124%	---	---	
Methyl tert-butyl ether (MTBE)	1.71	---	0.0907	mg/kg dry	50	1.82	ND	94	73 - 125%	---	---	
Naphthalene	1.46	---	0.181	mg/kg dry	50	1.82	ND	81	62 - 129%	---	---	
1,2-Dibromoethane (EDB)	1.76	---	0.0907	mg/kg dry	50	1.82	ND	97	78 - 122%	---	---	
1,2-Dichloroethane (EDC)	1.77	---	0.0454	mg/kg dry	50	1.82	ND	98	73 - 128%	---	---	
Isopropylbenzene	1.91	---	0.0907	mg/kg dry	50	1.82	ND	105	68 - 134%	---	---	
1,2,4-Trimethylbenzene	1.86	---	0.0907	mg/kg dry	50	1.82	ND	103	75 - 123%	---	---	
1,3,5-Trimethylbenzene	1.93	---	0.0907	mg/kg dry	50	1.82	ND	106	73 - 124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*100 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*			*"*					

DRAFT REPORT

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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 24E0392 - Total Solids (Dry Weight) - 2022							**Soil**					

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

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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 24E0436 - Total Solids (Dry Weight) - 2022							**Soil**					

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

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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: 24E0376							
A4E1121-14	Soil	NWTPH-Dx	05/08/24 15:45	05/10/24 14:09	11.94g/5mL	10g/5mL	0.84
A4E1121-15	Soil	NWTPH-Dx	05/08/24 15:51	05/10/24 14:09	11.29g/5mL	10g/5mL	0.89
A4E1121-16	Soil	NWTPH-Dx	05/08/24 15:55	05/10/24 14:09	11.37g/5mL	10g/5mL	0.88
A4E1121-17	Soil	NWTPH-Dx	05/08/24 16:02	05/10/24 14:09	11.17g/5mL	10g/5mL	0.90
A4E1121-19	Soil	NWTPH-Dx	05/09/24 12:50	05/10/24 14:09	11.12g/5mL	10g/5mL	0.90
A4E1121-20RE1	Soil	NWTPH-Dx	05/09/24 14:07	05/10/24 14:09	11.27g/5mL	10g/5mL	0.89
Batch: 24E0429							
A4E1121-01	Soil	NWTPH-Dx	05/07/24 09:44	05/13/24 10:35	11.1g/5mL	10g/5mL	0.90
A4E1121-02	Soil	NWTPH-Dx	05/07/24 12:05	05/13/24 10:35	11.25g/5mL	10g/5mL	0.89
A4E1121-03RE1	Soil	NWTPH-Dx	05/07/24 13:55	05/13/24 10:35	11.03g/5mL	10g/5mL	0.91
A4E1121-04	Soil	NWTPH-Dx	05/07/24 14:05	05/13/24 10:35	11.39g/5mL	10g/5mL	0.88
A4E1121-05RE1	Soil	NWTPH-Dx	05/07/24 14:38	05/13/24 10:35	11.42g/5mL	10g/5mL	0.88
A4E1121-06	Soil	NWTPH-Dx	05/07/24 15:08	05/13/24 10:35	11.37g/5mL	10g/5mL	0.88
A4E1121-07	Soil	NWTPH-Dx	05/07/24 15:11	05/13/24 10:35	11.35g/5mL	10g/5mL	0.88
A4E1121-08	Soil	NWTPH-Dx	05/07/24 15:18	05/13/24 10:35	11.69g/5mL	10g/5mL	0.86
A4E1121-09	Soil	NWTPH-Dx	05/07/24 15:24	05/13/24 10:35	11.01g/5mL	10g/5mL	0.91
A4E1121-10	Soil	NWTPH-Dx	05/07/24 15:38	05/13/24 10:35	11.9g/5mL	10g/5mL	0.84
A4E1121-11	Soil	NWTPH-Dx	05/07/24 15:45	05/13/24 10:35	11.49g/5mL	10g/5mL	0.87
A4E1121-12	Soil	NWTPH-Dx	05/07/24 15:52	05/13/24 10:35	11.39g/5mL	10g/5mL	0.88
A4E1121-13	Soil	NWTPH-Dx	05/07/24 15:59	05/13/24 10:35	11.22g/5mL	10g/5mL	0.89
A4E1121-18	Soil	NWTPH-Dx	05/09/24 12:25	05/13/24 10:35	11.08g/5mL	10g/5mL	0.90
A4E1121-21	Soil	NWTPH-Dx	05/09/24 15:02	05/13/24 10:35	11.05g/5mL	10g/5mL	0.91
A4E1121-22	Soil	NWTPH-Dx	05/09/24 15:59	05/13/24 10:35	11.36g/5mL	10g/5mL	0.88

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: 24E0439							
A4E1121-14	Soil	NWTPH-Gx (MS)	05/08/24 15:45	05/08/24 15:45	5.88g/5mL	5g/5mL	0.85
A4E1121-15	Soil	NWTPH-Gx (MS)	05/08/24 15:51	05/08/24 15:51	6.08g/5mL	5g/5mL	0.82
A4E1121-16	Soil	NWTPH-Gx (MS)	05/08/24 15:55	05/08/24 15:55	6.07g/5mL	5g/5mL	0.82
A4E1121-17	Soil	NWTPH-Gx (MS)	05/08/24 16:02	05/08/24 16:02	5.23g/5mL	5g/5mL	0.96
A4E1121-19	Soil	NWTPH-Gx (MS)	05/09/24 12:50	05/09/24 12:50	5.91g/5mL	5g/5mL	0.85
A4E1121-20	Soil	NWTPH-Gx (MS)	05/09/24 14:07	05/09/24 14:07	4.56g/5mL	5g/5mL	1.10

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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: 24E0490							
A4E1121-01	Soil	NWTPH-Gx (MS)	05/07/24 09:44	05/07/24 09:44	7.87g/5mL	5g/5mL	0.64
A4E1121-02	Soil	NWTPH-Gx (MS)	05/07/24 12:05	05/07/24 12:05	6.63g/5mL	5g/5mL	0.75
A4E1121-03	Soil	NWTPH-Gx (MS)	05/07/24 13:55	05/07/24 13:55	7.61g/5mL	5g/5mL	0.66
A4E1121-04	Soil	NWTPH-Gx (MS)	05/07/24 14:05	05/07/24 14:05	8.12g/5mL	5g/5mL	0.62
A4E1121-05	Soil	NWTPH-Gx (MS)	05/07/24 14:38	05/07/24 14:38	6.9g/5mL	5g/5mL	0.73
A4E1121-06	Soil	NWTPH-Gx (MS)	05/07/24 15:08	05/07/24 15:08	6.71g/5mL	5g/5mL	0.75
A4E1121-07	Soil	NWTPH-Gx (MS)	05/07/24 15:11	05/07/24 15:11	6.77g/5mL	5g/5mL	0.74
A4E1121-08	Soil	NWTPH-Gx (MS)	05/07/24 15:18	05/07/24 15:18	7.52g/5mL	5g/5mL	0.67
A4E1121-09	Soil	NWTPH-Gx (MS)	05/07/24 15:24	05/07/24 15:24	6.33g/5mL	5g/5mL	0.79
A4E1121-10	Soil	NWTPH-Gx (MS)	05/07/24 15:38	05/07/24 15:38	7.19g/5mL	5g/5mL	0.70
A4E1121-11	Soil	NWTPH-Gx (MS)	05/07/24 15:45	05/07/24 15:45	6.13g/5mL	5g/5mL	0.82
A4E1121-12	Soil	NWTPH-Gx (MS)	05/07/24 15:52	05/07/24 15:52	7.39g/5mL	5g/5mL	0.68
A4E1121-13	Soil	NWTPH-Gx (MS)	05/07/24 15:59	05/07/24 15:59	5.74g/5mL	5g/5mL	0.87
A4E1121-18	Soil	NWTPH-Gx (MS)	05/09/24 12:25	05/09/24 12:25	5.07g/5mL	5g/5mL	0.99
A4E1121-21	Soil	NWTPH-Gx (MS)	05/09/24 15:02	05/09/24 15:02	6.18g/5mL	5g/5mL	0.81
A4E1121-22	Soil	NWTPH-Gx (MS)	05/09/24 15:59	05/09/24 15:59	4.23g/5mL	5g/5mL	1.18

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: 24E0439							
A4E1121-14	Soil	5035A/8260D	05/08/24 15:45	05/08/24 15:45	5.88g/5mL	5g/5mL	0.85
A4E1121-15	Soil	5035A/8260D	05/08/24 15:51	05/08/24 15:51	6.08g/5mL	5g/5mL	0.82
A4E1121-16	Soil	5035A/8260D	05/08/24 15:55	05/08/24 15:55	6.07g/5mL	5g/5mL	0.82
A4E1121-17	Soil	5035A/8260D	05/08/24 16:02	05/08/24 16:02	5.23g/5mL	5g/5mL	0.96
A4E1121-19	Soil	5035A/8260D	05/09/24 12:50	05/09/24 12:50	5.91g/5mL	5g/5mL	0.85
A4E1121-20	Soil	5035A/8260D	05/09/24 14:07	05/09/24 14:07	4.56g/5mL	5g/5mL	1.10
Batch: 24E0490							
A4E1121-01	Soil	5035A/8260D	05/07/24 09:44	05/07/24 09:44	7.87g/5mL	5g/5mL	0.64
A4E1121-02	Soil	5035A/8260D	05/07/24 12:05	05/07/24 12:05	6.63g/5mL	5g/5mL	0.75
A4E1121-03	Soil	5035A/8260D	05/07/24 13:55	05/07/24 13:55	7.61g/5mL	5g/5mL	0.66
A4E1121-04	Soil	5035A/8260D	05/07/24 14:05	05/07/24 14:05	8.12g/5mL	5g/5mL	0.62
A4E1121-05	Soil	5035A/8260D	05/07/24 14:38	05/07/24 14:38	6.9g/5mL	5g/5mL	0.73
A4E1121-06	Soil	5035A/8260D	05/07/24 15:08	05/07/24 15:08	6.71g/5mL	5g/5mL	0.75
A4E1121-07	Soil	5035A/8260D	05/07/24 15:11	05/07/24 15:11	6.77g/5mL	5g/5mL	0.74

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Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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
A4E1121-08	Soil	5035A/8260D	05/07/24 15:18	05/07/24 15:18	7.52g/5mL	5g/5mL	0.67
A4E1121-09	Soil	5035A/8260D	05/07/24 15:24	05/07/24 15:24	6.33g/5mL	5g/5mL	0.79
A4E1121-10	Soil	5035A/8260D	05/07/24 15:38	05/07/24 15:38	7.19g/5mL	5g/5mL	0.70
A4E1121-11	Soil	5035A/8260D	05/07/24 15:45	05/07/24 15:45	6.13g/5mL	5g/5mL	0.82
A4E1121-12	Soil	5035A/8260D	05/07/24 15:52	05/07/24 15:52	7.39g/5mL	5g/5mL	0.68
A4E1121-13	Soil	5035A/8260D	05/07/24 15:59	05/07/24 15:59	5.74g/5mL	5g/5mL	0.87
A4E1121-18	Soil	5035A/8260D	05/09/24 12:25	05/09/24 12:25	5.07g/5mL	5g/5mL	0.99
A4E1121-21	Soil	5035A/8260D	05/09/24 15:02	05/09/24 15:02	6.18g/5mL	5g/5mL	0.81
A4E1121-22	Soil	5035A/8260D	05/09/24 15:59	05/09/24 15:59	4.23g/5mL	5g/5mL	1.18

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: 24E0392							
A4E1121-14	Soil	EPA 8000D	05/08/24 15:45	05/10/24 18:35			NA
A4E1121-15	Soil	EPA 8000D	05/08/24 15:51	05/10/24 18:35			NA
A4E1121-16	Soil	EPA 8000D	05/08/24 15:55	05/10/24 18:35			NA
A4E1121-17	Soil	EPA 8000D	05/08/24 16:02	05/10/24 18:35			NA
A4E1121-19	Soil	EPA 8000D	05/09/24 12:50	05/10/24 18:35			NA
A4E1121-20	Soil	EPA 8000D	05/09/24 14:07	05/10/24 18:35			NA
Batch: 24E0436							
A4E1121-01	Soil	EPA 8000D	05/07/24 09:44	05/13/24 08:36			NA
A4E1121-02	Soil	EPA 8000D	05/07/24 12:05	05/13/24 08:36			NA
A4E1121-03	Soil	EPA 8000D	05/07/24 13:55	05/13/24 08:36			NA
A4E1121-04	Soil	EPA 8000D	05/07/24 14:05	05/13/24 08:36			NA
A4E1121-05	Soil	EPA 8000D	05/07/24 14:38	05/13/24 08:36			NA
A4E1121-06	Soil	EPA 8000D	05/07/24 15:08	05/13/24 08:36			NA
A4E1121-07	Soil	EPA 8000D	05/07/24 15:11	05/13/24 08:36			NA
A4E1121-08	Soil	EPA 8000D	05/07/24 15:18	05/13/24 08:36			NA
A4E1121-09	Soil	EPA 8000D	05/07/24 15:24	05/13/24 08:36			NA
A4E1121-10	Soil	EPA 8000D	05/07/24 15:38	05/13/24 08:36			NA
A4E1121-11	Soil	EPA 8000D	05/07/24 15:45	05/13/24 08:36			NA
A4E1121-12	Soil	EPA 8000D	05/07/24 15:52	05/13/24 08:36			NA
A4E1121-13	Soil	EPA 8000D	05/07/24 15:59	05/13/24 08:36			NA
A4E1121-18	Soil	EPA 8000D	05/09/24 12:25	05/13/24 08:36			NA
A4E1121-21	Soil	EPA 8000D	05/09/24 15:02	05/13/24 08:36			NA

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ANALYTICAL REPORT

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SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Total Solids (Dry Weight) - 2022

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4E1121-22	Soil	EPA 8000D	05/09/24 15:59	05/13/24 08:36			NA

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QUALIFIER DEFINITIONS

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

Apex Laboratories

F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
M-04	Due to matrix interference, this analyte cannot be accurately quantified. The reported result may contain a high bias.
Q-17	RPD between original and duplicate sample, or spike duplicates, is outside of established control limits.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
S-01	Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

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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'.

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) are not 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).

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.

DRAFT REPORT

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

ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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.

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.

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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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.

ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

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

CHAIN OF CUSTODY

Lab # A4E1121 COC ___ of ___

Company: ACC Environmental | Project Mgr: Chris Sheridan | Project Name: O'Neil Demo | Project #: 10026-010
Address: 3925 NE 72nd Ave, Suite 103, Vancouver WA | Phone: 503-475-6385 | Email: csheridan@accenv.com | PO #
Sampled by: Joseph Thayer
Site Location:
State OR
County Crook

ANALYSIS REQUEST

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	TCLP Metals (8)	Hold Sample	Frozen Archive
ACC-21-1	5/7/24	0944	S	3		✓	✓		✓												
ACC-22-1.5	5/7/24	1205	S	3		✓	✓		✓												
ACC-23-2.0	5/7/24	1355	S	3		✓	✓		✓												
ACC-24-3.0	5/7/24	1405	S	3		✓	✓		✓												
ACC-25-3.0	5/7/24	1438	S	3		✓	✓		✓												
ACC-26-13	5/7/24	1508	S	3		✓	✓		✓												
ACC-27-12	5/7/24	1511	S	3		✓	✓		✓												
ACC-28-12	5/7/24	1518	S	3		✓	✓		✓												
ACC-29-12	5/7/24	1524	S	3		✓	✓		✓												
ACC-30-13	5/7/24	1538	S	3		✓	✓		✓												

Standard Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS:
expecting higher concentrations on ACC-23-2.0, ACC-25-3.0, ~~ACC-34-9, ACC~~ JT 5/10
Extract & hold all samples for potential follow up analysis

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature] Date: 5/10/24	Signature: [signature] Date: 5/10/24	Signature: Date:	Signature: Date:
Printed Name: Joseph Thayer Time: 0916	Printed Name: [signature] Time: 0916	Printed Name: Time:	Printed Name: Time:
Company: ACC Environmental	Company: Apex	Company:	Company:

Form Y-002 R-00

DRAFT REPORT

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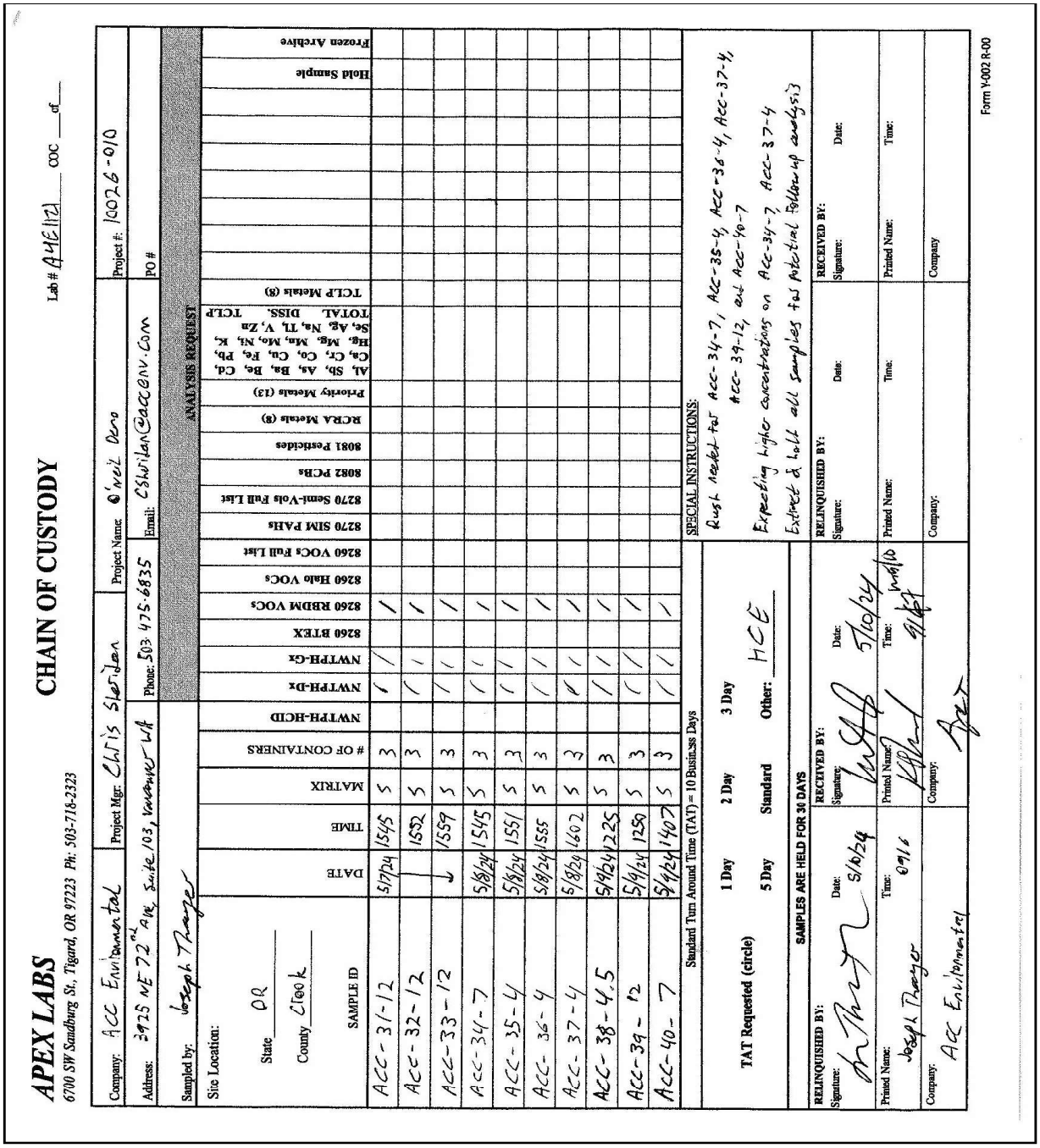
Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**



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

CHAIN OF CUSTODY

Lab # A4E1121 COC ___ of ___

Company: ACC Environmental — Project Mgr: Chris Sheridan — Project Name: O'Neil Demo — Project #: 10026-010
Address: 3925 NE 72nd Ave, Suite 103, Vancouver WA — Phone: 503 475-6835 — Email: CSheridan@accenv.com — PO #
Sampled by: Joseph Traeger

Site Location: State OR County Cleek

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	TCLP Metals (8)	Hold Sample	Frozen Archive
ACC-31-12	5/7/24	1545	S	3		1	1		1												
ACC-32-12		1552	S	3		1	1		1												
ACC-33-12	↓	1559	S	3		1	1		1												
ACC-34-7	5/8/24	1545	S	3		1	1		1												
ACC-35-4	5/8/24	1551	S	3		1	1		1												
ACC-36-4	5/8/24	1555	S	3		1	1		1												
ACC-37-4	5/8/24	1602	S	3		1	1		1												
ACC-38-4,5	5/9/24	1225	S	3		1	1		1												
ACC-39-12	5/9/24	1250	S	3		1	1		1												
ACC-40-7	5/9/24	1407	S	3		1	1		1												

Standard Turn Around Time (TAT) = 10 Busin.ss Days

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

SPECIAL INSTRUCTIONS:
Rush needed for ACC-34-7, ACC-35-4, ACC-36-4, ACC-37-4, ACC-39-12, and ACC-40-7
Expecting higher concentrations on ACC-34-7, ACC-37-4
Extract & hold all samples for potential follow up analysis

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 5/10/24	Date: 5/10/24	Date:	Date:
Time: 0916	Time: 0916	Time:	Time:
Printed Name: Joseph Traeger	Printed Name:	Printed Name:	Printed Name:
Company: ACC Environmental	Company:	Company:	Company

Form Y-002 R-00

DRAFT REPORT

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APEX LABS

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

CHAIN OF CUSTODY

Lab # A4E1121 COC ___of___

Company: ACC Environmental	Project Mgr: Chris Sheridan	Project Name: O'Neil Demo	Project #: 10026-010
Address: 3925 NE 72nd Ave, suite 103, Vancouver, WA	Phone: 503-475-6835	Email: csheridan@accenv.com	PO #
Sampled by: Joseph Thayer			

Site Location:
State OR
County Crook

ANALYSIS REQUEST

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	TCLP Metals (8)								Hold Sample	Frozen Archive
~~ACC-40-~~																												5/9/24
ACC-41-8.0	5/9/24	1502	S	3		✓	✓		✓																			
ACC-42-8.0	5/9/24	1559	S	3		✓	✓		✓																			

Standard Turn Around Time (TAT) = 10 Business Days

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

SAMPLES ARE HELD FOR 30 DAYS

SPECIAL INSTRUCTIONS: Extract & hold all samples for potential followup analysis

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature] Date: 5/10/24	Signature: [signature] Date: 5/10/24	Signature: Date:	Signature: Date:
Printed Name: Joseph Thayer Time: 0917	Printed Name: [signature] Time: 0917	Printed Name: Time:	Printed Name: Time:
Company: ACC Environmental	Company: Apex	Company:	Company:

Form Y-002 R-00

Apex Laboratories, LLC
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3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

WO# A4E1121

COC/Container Discrepancies

COC Reads	Container Reads/Comments
KDS 5/10 AD on ACL-21-1 reads 5/7/24 ACL-22-1.5	40z jar reads 5/3/24 2/2 MeOH VOAs read ACL-22

Form Y-004 R-00

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ACC Environmental Consultants, Inc.	Project: **O'Neil Demo**	
3925 NE 72nd Ave. Suite 103	Project Number: **10026-010**	**Report ID:**
Vancouver, WA 98661	Project Manager: **Chris Sheridan**	**A4E1121 - 05 15 24 1751**

APEX LABS COOLER RECEIPT FORM

Client: ACC Enviro. Element WO#: A4 E1121

Project/Project #: O'Neil Demo /10026-010

Delivery Info:

Date/time received: 5/10/24 @ 9/47 By: KRS

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: 5/10/24 @ 9/47 By: KRS

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)	2.5						
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: 5/10/24 @ 1042 By: KRS

All samples intact? Yes X No ___ Comments: ___

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

COC/container discrepancies form initiated? Yes X No ___

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: ZAM Witness: Cooler Inspected by:

Form Y-003 R-02

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

July 17, 2024

Marti Sharp
CECO, Inc.
PO Box 6030
Portland, OR 97228-6030

RE: UST Decommissioning Status
Carson Prineville O'Neil
DEQ UST Facility ID No. 00080

Dear Marti Sharp:

The Department of Environmental Quality (DEQ) has received and reviewed underground storage tank (UST) documents for closure of four decommissioned USTs at facility #80, Carson Prineville O'Neil (Bulk Loading), located at 2158 NW O'Neil Hwy, in Prineville. 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 May 3, 2024. DEQ files and database records show tank permits CCGB, CCGC, CCGD, and BGKAF 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

Release determination MEMO to LUST and UST Programs

RE: UST Facility 80/ ECSI Site 4708- Miller Oil/ Prineville Carson O'Neil Facility/ 2158 NW O'Neil Hwy.

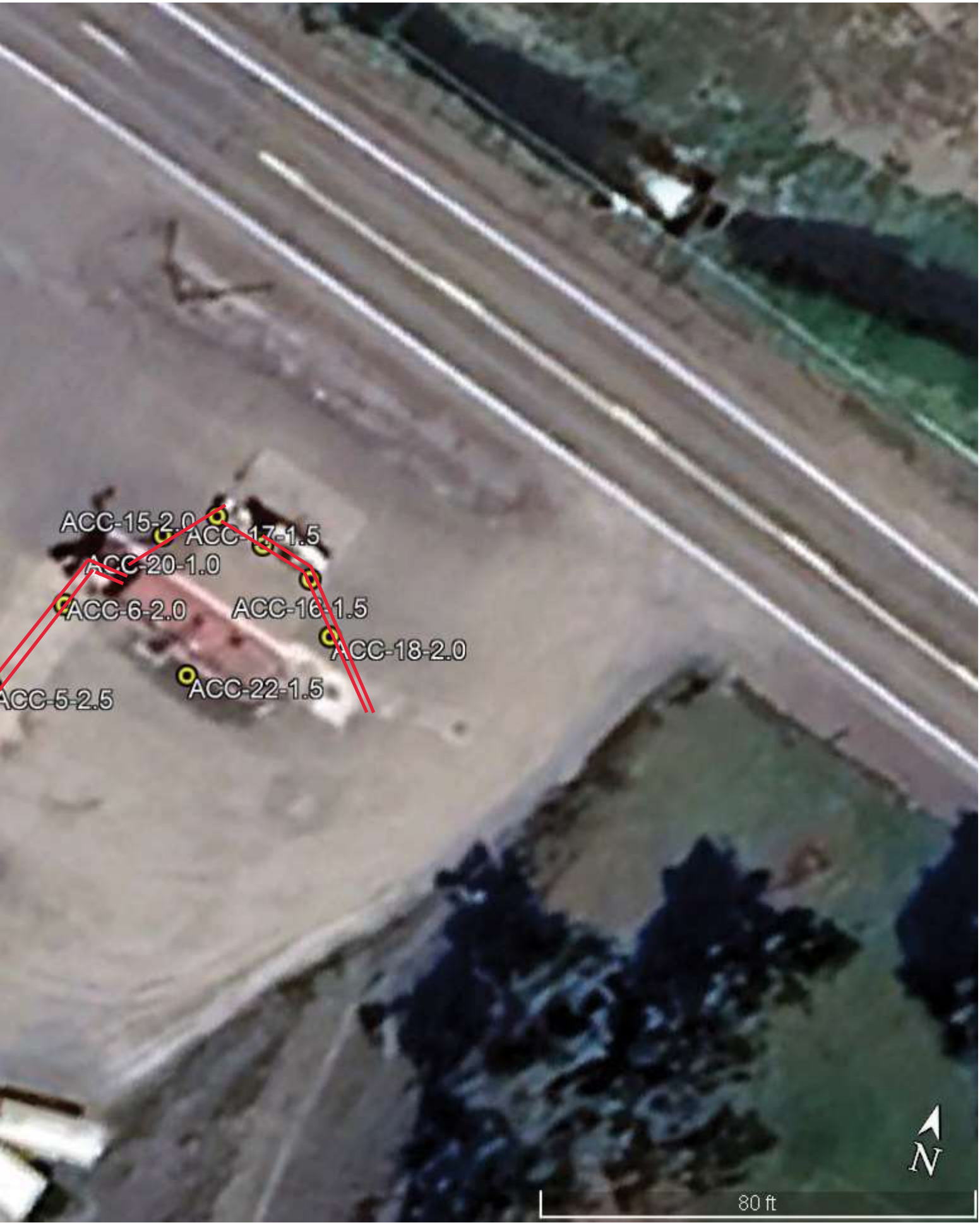
This site is a small bulk facility with 3 ASTs that have underground piping leading to a loading rack as well as 4 USTs (2 twin-chambered tanks) and 3 remote dispensers.

1. 1998: LUST file 07-98-0076 was opened due to an overfill that was reported to have been discovered during a decommissioning. This file remains open. Due to the overarching cleanup the UST Program recommends an administrative file closure of 07-98-0076.
2. 2023: LUST file 07-23-0714 was opened after site assessment. File remains open. Unknown Cause, Source = Other; soil and GW affected.
3. Archived documents from each LUST file were reviewed. No additional information was uncovered.
4. 2006: The ECSI file was opened for tracking a suspect site; site screening recommended.
5. May, 2024: two twin-chambered USTS and piping/dispensers were removed. Site assessment samples indicated the greatest petroleum impact was found in shallow soil as gasoline and diesel. Samples collected at 12 ft deep, below the removed USTs, showed lower concentrations.
6. Maximum diesel = 15,000 ppm at 2.0 ft below surface grade (bsg); max gas = 4980 ppm at 3.0 ft bsg.
7. Laboratory project management indicated sample results represented new and old gas, diesel, and kerosene.
8. About 50 tons was removed due to a leaky UST turbine. The above ground portions of the UST piping runs straight up to dispenser- this piping leaked a lot.
9. The ASTs underground lines leaked a lot more: appx 1150 tons was removed to remedy.
10. The nearest private property that may be served by a well is appx 500 ft ESE from the site. An irrigation canal is just across the highway, and the Crooked River is appx 1300 ft NNE of the site.
11. The UST program does not recommend opening a new LUST file.


ACC-10-12
ACC-9-12
ACC-8-12
ACC-7-12
Google Earth
Image © 2024 Airbus


k Gasoline split UST
k Diesel split UST
5k Gasoline split UST
1-12
CC-13-12
12k Diesel split UST
-14-12
N
80 ft


ACC-25-3.0
ACC-23-2.0
ACC-24-3.0
ACC-4-2.5
ACC-3-2.5
Acc-2-2.5
Acc-1-2.5
Under Ground Product Piping
Google Earth
Image © 2024 Airbus


ACC-15-2.0
ACC-17-1.5
ACC-20-1.0
ACC-6-2.0
ACC-16-1.5
ACC-18-2.0
ACC-22-1.5
ACC-5-2.5
N
80 ft

Sample Identification	Sample Depth (feet bgs)	Sample Date	PID	Total Petroleum Hydrocarbons (mg/kg)			RBDM VOCs										
				GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylenes, total	Methyl tert-butyl Ether (MTBE)	Napthalene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane (EDC)	Isopropylbenzene	1,2,4-TrimethylBenzene	1,3,5 Trimethylbenzene
ACC-1-2.5	2.5	05/02/24		**31.5**	**7500**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-2-2.5	2.5	05/02/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-3-2.5	2.5	05/02/24	7.5	**51.1**	**193**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-4-2.5	2.5	05/02/24	1.2	*ND*	**95.6**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-5-2.5	2.5	05/02/24	58.3	**388**	**3860**	*ND*	*ND*	*ND*	**0.186**	*ND*	*ND*	*ND*	*ND*	*ND*	**0.371**	*ND*	*ND*
ACC-6-2.0	2.0	05/02/24	58.2	**439**	**15000**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	**2.22**	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-7-12	12.0	05/02/24	0.1	*ND*	**357**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-8-12	12.0	05/02/24		**135**	**1020**	*ND*	*ND*	**0.0736**	**0.148**	**1.164**	*ND*	**0.523**	*ND*	*ND*	**0.067**	*ND*	*ND*
ACC-9-12	12.0	05/02/24	81.3	**698**	**171**	*ND*	*ND*	**1.24**	**0.771**	**11.04**	*ND*	**5.94**	*ND*	*ND*	**0.128**	*ND*	*ND*
ACC-10-12	12.0	05/02/24	24.3	**20.5**	**33.8**	*ND*	*ND*	*ND*	*ND*	**0.033**	*ND*	**0.195**	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-11-12	12.0	05/02/24	146.8	**57.4**	**167**	*ND*	**0.0779**	*ND*	**0.369**	*ND*	*ND*	**0.334**	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-12-12	12.0	05/02/24	13.6	*ND*	**91.9**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-13-12	12.0	5/2/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-14-12	12.0	5/2/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-15-2.0	2.0	5/2/24	81.3	**112**	**13800**	*ND*	*ND*	*ND*	**0.152**	**1.73**	*ND*	**0.66**	*ND*	**0.061**	**0.272**	**2.92**	**1.04**
ACC-16-1.5	1.5	5/2/24	0.3	**32.3**	**7470**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-17-1.5	1.5	5/2/24	0.0	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-18-2.0	2.0	5/2/24	0.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-20-1.0	1.0	5/2/24	0.0	*ND*	**116**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-22-1.5	1.5	5/7/24	0.0	*ND*	*ND*	**3690**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-23-2.0	2	5/7/24	368.0	**438**	**3970**	*ND*	*ND*	**0.555**	*ND*	**1.3**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-24-3.0	3	5/7/24	11.5	*ND*	**82.3**	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
ACC-25-3.0	3	5/7/24	1158.0	**4980**	**12600**	*ND*	**12.3**	**4.33**	**58.9**	**295**	*ND*	**18**	*ND*	*ND*	**5.75**	**102**	**30.3**
Applicable DEQ Risk-Based Concentrations[1]																	
	Soil Ingestion, Dermal Contact, and Inhalation (RBC_{ss})																
	Residential			1,200	1,100	1,100	8.20	>Csat	34.00	>Csat	250	5.30	0.16	3.6	>Csat	430	>Csat
	Occupational Worker			20,000	14,000	14,000	37	>Csat	150	>Csat	1100	23	0.73	16	>Csat	>Csat	>Csat
	Construction Worker			9,700	4,600	4,600	380	>Csat	>Csat	>Csat	>Csat	580	9	20	>Csat	>Csat	>Csat

Excavation Worker	>Max	>Max	>Max	1,100	>Csat	>Csat	>Csat	>Csat	16,000	250	>Csat	>Csat	>Csat	>Csat
Leaching to Groundwater (RBC $_{sw}$)														
Residential	31	9,500	9,500	0.023	84	0.22	23	0.11	0.077	0.15	3.4	96	10	11
Occupational	130	>Max	>Max	0.1	490	0.9	100	0.54	0.34	0.65	15	>Csat	48	53
Volatilization to Outdoor Air (RBC $_{so}$)														
Residential	5,900	>Max	>Max	11.0	>Csat	36	>Csat	340	6.4	0.00012	0.0028	>Csat	>Csat	>Csat
Occupational	69,000	>Max	>Max	50.0	>Csat	160	>Csat	1500	83	0.013	0.013	>Csat	>Csat	>Csat

NOTES:

bgs = below ground surface

Chemical analyses performed by APEX Labs of Tigard, Oregon.

Gasoline-Range Total Petroleum Hydrocarbons (GRPH) analyzed by Northwest Method NWTPH-Gx.

Diesel-Range Total Petroleum Hydrocarbons (DRPH) analyzed by Northwest Method NWTPH-Dx.

Oil-Range Total Petroleum Hydrocarbons (ORPH) analyzed by Northwest Method NWTPH-Dx.

Polycyclic aromatic hydrocarbons analyzed by EPA Method 8270.

[1]Oregon Department of Environmental Quality (DEQ). Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites.

mg/kg = milligrams per kilogram (parts per million)

Bold indicates a detection above Method Reporting Limits (MRLs).

Red type indicates the detected concentrations exceeds one or more of the respective RBCs .

"<" indicates the analyte was not detected above MRLs.

>Csat = this soil RBC exceeds the limit of three-phase equillibrium partitioning.

>Max = this constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg. Therefore, this substance is deemed to not pose risks in this scenario.


ACC-10-12
10k Gasoline split UST
ACC-9-12
ACC-8-12
10k Diesel split UST
ACC-7-12
5k Gasoline split UST
ACC-11-12
ACC-12-12
12k Diesel split UST
ACC-13-12
ACC-14-12

PARDUE Dave * DEQ

From: DROUIN Mark * DEQ
Sent: Tuesday, June 25, 2024 6:24 AM
To: PARDUE Dave * DEQ
Subject: RE: Facil #80 Carson O'Neil Hwy Open New LUST file (?) discussion

Follow Up Flag: Follow up
Flag Status: Flagged

Hey Dave –

Let's change this up a little.

First meet with Bruce to talk about the site. Your write up is a good starting point. Keep your meeting for Monday just remove Ann and myself.

Meet with Bruce and see if we can close all the LUST sites under ECSI and what is involved. I am pretty sure we can, but Bruce has the institutional knowledge about that. If we do close it under ECSI – find out what exactly would be involved. This isn't a pure LUST site so there may need to be more investigation and I am not sure about public involvement.

Ask Bruce is he can tell if there has been a cost recovery agreement for the ECSI site. He is in Western Region so he may not have access to records.

The goal is to close LUST Sites 07-98-0076, 07-23-0714, and ECSI Site 4708.

Can we close the two LUST sites under ECSI?
What would be involved closing the ECSI site?
Do you have the cost recovery agreements signed?

Once you have all this information let's you and I talk.

From: FARRIS Ann M * DEQ <Ann.M.FARRIS@deq.oregon.gov>
Sent: Tuesday, June 18, 2024 4:44 PM
To: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>; DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>; SCHERZINGER Bruce * DEQ <Bruce.SCHERZINGER@deq.oregon.gov>
Subject: RE: Facil #80 Carson O'Neil Hwy Open New LUST file (?) discussion

HI Dave, Mark, and Bruce,

I'm sorry, but I'm not going to be able to make it to this meeting. I've been called into another meeting that I can't get out of. I don't see another good time for all of us. I have time on Friday if that might work. Or is there work we can do via email?

Thanks,
Ann

-----Original Appointment-----
From: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Sent: Thursday, June 13, 2024 3:36 PM
To: PARDUE Dave * DEQ; PARDUE Dave * DEQ; DROUIN Mark * DEQ; SCHERZINGER Bruce * DEQ; FARRIS Ann M * DEQ
Subject: Facil #80 Carson O'Neil Hwy Open New LUST file (?) discussion
When: Thursday, June 20, 2024 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

I'll send out a memo prior to the meeting for your review.

Microsoft Teams Need help?

Join the meeting now

Meeting ID: 212 378 710 82

Passcode: zzYZzL

Dial in by phone

+1 503-446-4951,,158877669# United States, Portland

Find a local number

Phone conference ID: 158 877 669#

For organizers: Meeting options | Reset dial-in PIN

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Thursday, July 18, 2024 8:23 AM
To: David Borys
Cc: PAIKO Steven J * DEQ
Subject: Facility 80 UST Closure letter
Attachments: Facil 80 Decom Closure 7.18.2024.pdf

Hi David-

Please see attached.
Steve- would you be kind enough to mail a hard copy to Marti? Thanks!

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

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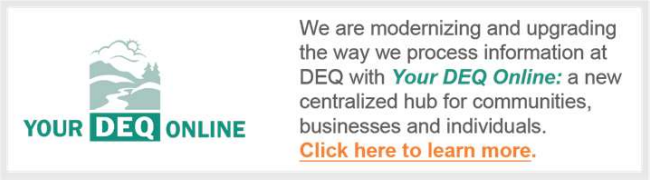

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Friday, June 28, 2024 2:59 PM
To: DROUIN Mark * DEQ
Subject: RE: Facil #80 Carson O'Neil Hwy Open New LUST file (?) discussion

You bet. On it.

Dave Pardue
Underground Storage Tank Program Coordinator
Oregon Department of Environmental Quality
700 NE Multnomah Street, Suite 600
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https://service.govdelivery.com/accounts/ORDEQ/subscriber/new?topic_id=ORDEQ_546

From: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Sent: Tuesday, June 25, 2024 6:24 AM
To: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>
Subject: RE: Facil #80 Carson O'Neil Hwy Open New LUST file (?) discussion

Hey Dave –

Let's change this up a little.

First meet with Bruce to talk about the site. Your write up is a good starting point. Keep your meeting for Monday just remove Ann and myself.

Meet with Bruce and see if we can close all the LUST sites under ECSI and what is involved. I am pretty sure we can, but Bruce has the institutional knowledge about that. If we do close it under ECSI – find out what exactly would be involved. This isn't a pure LUST site so there may need to be more investigation and I am not sure about public involvement.

Ask Bruce is he can tell if there has been a cost recovery agreement for the ECSI site. He is in Western Region so he may not have access to records.

The goal is to close LUST Sites 07-98-0076, 07-23-0714, and ECSI Site 4708.

Can we close the two LUST sites under ECSI?
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Do you have the cost recovery agreements signed?

Once you have all this information let's you and I talk.

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Sent: Tuesday, June 18, 2024 4:44 PM
To: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>; DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>; SCHERZINGER Bruce * DEQ <Bruce.SCHERZINGER@deq.oregon.gov>
Subject: RE: Facil #80 Carson O'Neil Hwy Open New LUST file (?) discussion

HI Dave, Mark, and Bruce,

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Ann

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I'll send out a memo prior to the meeting for your review.

Microsoft Teams Need help?

Join the meeting now

Meeting ID: 212 378 710 82

Passcode: zzYZzL

Dial in by phone

+1 503-446-4951,,158877669# United States, Portland

Find a local number

Phone conference ID: 158 877 669#

For organizers: Meeting options | Reset dial-in PIN

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Thursday, June 20, 2024 9:47 AM
To: FARRIS Ann M * DEQ; SCHERZINGER Bruce * DEQ; DROUIN Mark * DEQ
Subject: Facility #80 Site Summary for 7-1-24 discussion
Attachments: Facil 80 Site Summary.pdf

Hello-

Please see attached memo; let me know if you have any questions.

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

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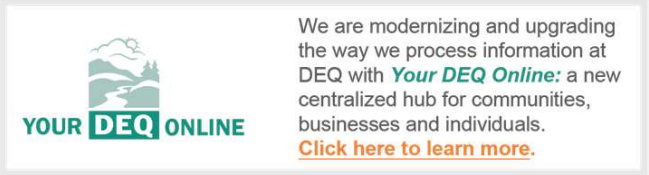

PARDUE Dave * DEQ

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Wednesday, May 29, 2024 5:43 PM
To: PARDUE Dave * DEQ
Cc: Joseph Thayer
Subject: RE: 2158 NW Oneal Hwy
Attachments: USTDecomChecklist_Final_Signed.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Dave,

Please see attached updated figures in final UST decommissioning checklist.

Sincerely,

David Borys

From: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Sent: Wednesday, May 29, 2024 10:13 AM
To: David Borys <DavidB@peakenvironmentalllc.com>
Subject: RE: 2158 NW Oneal Hwy

Hi David-

Can you please add the UST locations and then re-submit the map? I will always ask for this if missing.

It is pretty hard to evaluate the site assessment samples when the tank locations are not depicted.

Thanks!

Dave

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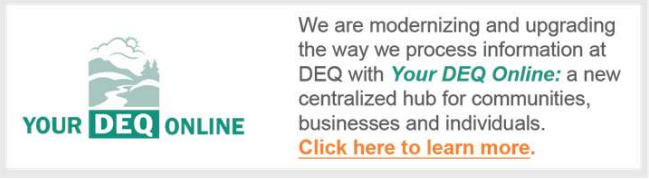

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Friday, May 24, 2024 2:54 PM
To: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Cc: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Subject: RE: 2158 NW Oneal Hwy

Dave and Mark,

Please see attached Completed and signed DEQ decommissioning checklist.

Sincerely,

David Borys

From: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Sent: Friday, May 24, 2024 9:44 AM
To: David Borys <DavidB@peakenvironmentalllc.com>
Subject: 2158 NW Oneal Hwy

Hi David-

Can you please send me a site map with sample locations and lab test results to go along with it?

Thanks,

Dave

Dave Pardue
Underground Storage Tank Program Coordinator
Oregon Department of Environmental Quality
700 NE Multnomah Street, Suite 600
Portland, OR 97232
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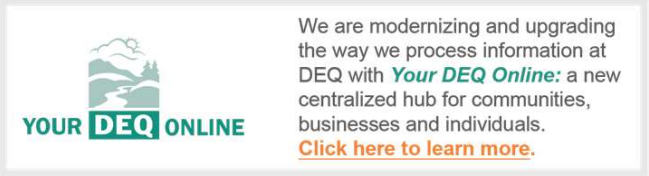

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Friday, May 24, 2024 3:49 PM
To: PAIKO Steven J * DEQ
Subject: FW: 2158 NW Oneal Hwy
Attachments: USTDecomChecklist_Final_Signed.pdf

I know you love these, so here is another!

Dave Pardue
Underground Storage Tank Program Coordinator
Oregon Department of Environmental Quality
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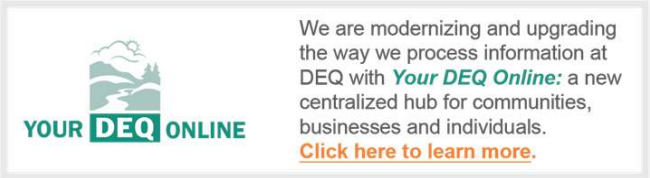

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Friday, May 24, 2024 2:54 PM
To: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Cc: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Subject: RE: 2158 NW Oneal Hwy

Dave and Mark,

Please see attached Completed and signed DEQ decommissioning checklist.

Sincerely,

David Borys

From: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Sent: Friday, May 24, 2024 9:44 AM
To: David Borys <DavidB@peakenvironmentalllc.com>
Subject: 2158 NW Oneal Hwy

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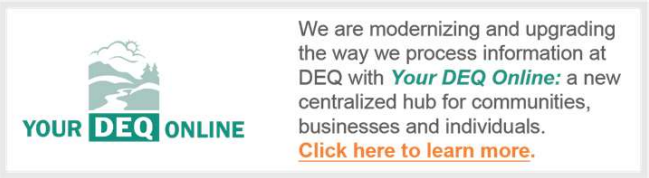

PARDUE Dave * DEQ

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Friday, May 24, 2024 2:54 PM
To: PARDUE Dave * DEQ
Cc: DROUIN Mark * DEQ
Subject: RE: 2158 NW Oneal Hwy
Attachments: USTDecomChecklist_Final_Signed.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Dave and Mark,

Please see attached Completed and signed DEQ decommissioning checklist.

Sincerely,

David Borys

From: PARDUE Dave * DEQ <Dave.PARDUE@deq.oregon.gov>
Sent: Friday, May 24, 2024 9:44 AM
To: David Borys <DavidB@peakenvironmentalllc.com>
Subject: 2158 NW Oneal Hwy

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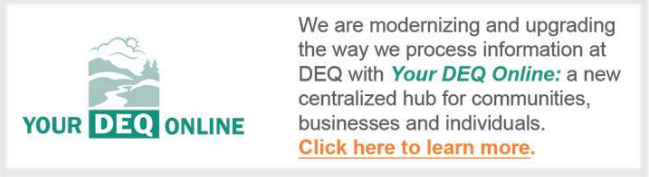

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Tuesday, May 21, 2024 8:17 AM
To: DROUIN Mark * DEQ
Subject: RE: Release Report

Simple and detailed. Can do.

Dave Pardue
Underground Storage Tank Program Coordinator
Oregon Department of Environmental Quality
700 NE Multnomah Street, Suite 600
Portland, OR 97232
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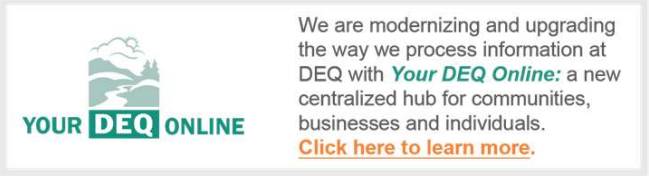

From: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Sent: Tuesday, May 21, 2024 7:17 AM
To: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>
Subject: RE: Release Report

Interesting –

Can you prepare a simple yet somewhat detailed summary about what we know about this facility. That appears to be an oxymoron.

What has been reported and how many LUST and cleanup sites have been reported.

The summary from this email is great just add to a little from the LUST files – you said there wasn't much in the files which is fine, just document it. Check the analytical data to the RBCs just to get a sense of what is being encountered. I am not sure how Prineville has that area zoned. I know the Crooked River is close by and I wouldn't be surprised if they are on the private wells in that area.

Also – get a site map from David with sample locations and excavations. This doesn't have to be a finished product, just something we can reference.

Once you have all that, setup a meeting with you, me and Ann Farris. Be prepared to give her an update of the site and we all can talk about some next steps.

Thanks!

From: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>
Sent: Thursday, May 16, 2024 3:35 PM
To: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Subject: RE: Release Report

Hi Mark-

I had a follow-up conversation with David Borys- He said about 50 tons was removed due to a leaky underground turbine for the UST. The above ground portions of the UST- piping straight up to dispenser- leaked a lot. Moreover the ASTs underground lines leaked a lot more 1150 tons- there is a Vol Cleanup file open- do we roll the UST into the ECSI? Should a new UST release be filed? The labs indicate new gas, diesel, and kerosene, and old gas, diesel and kero.

BTW the inspections went well. Lots to discuss.

The TC inspection Diana did in Independence is kicking off a decom starting 5/20. I'll be heading there 5/20 or 5/21 as soon as I get more schedule info.

Thanks,

Dave

Dave Pardue
Underground Storage Tank Program Coordinator
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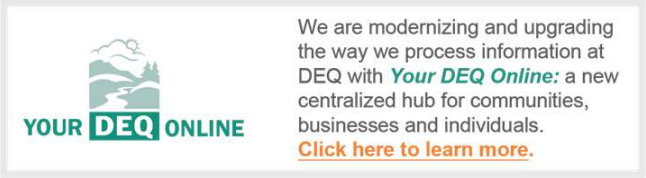

From: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Sent: Thursday, May 9, 2024 6:51 AM
To: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>
Subject: FW: Release Report

Hey Dave –

Can you reach out to Dave Borys and talk to him about what he observed. How much contamination, where it was from and if the plan is to remove it all. Remember, this is the Carson's decision to dig it out not ours. I just want to know what kind of agreement Carson and Peak have. The are still digging at the site today.

Once you get that information lets you and I talk and then we will reach out Ann Farris and Marti from Carson.

If there are two LUST sites here let's be real clear if there is a third and why. Also, let's work with Carson and try to get these LUST sites closed.

Thanks!

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Thursday, May 9, 2024 6:45 AM
To: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Cc: Chris Sheridan <csheridan@hydroconllc.net>
Subject: Release Report

Good morning Mark,

I would like to make a Release notification for 2158 NW Oneal Hwy, Prineville, OR (Attached is 30 day notice). I was not able to make the release report online because I did not sign up as an RP.

Sincerely,

David Borys

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Thursday, May 16, 2024 3:35 PM
To: DROUIN Mark * DEQ
Subject: RE: Release Report

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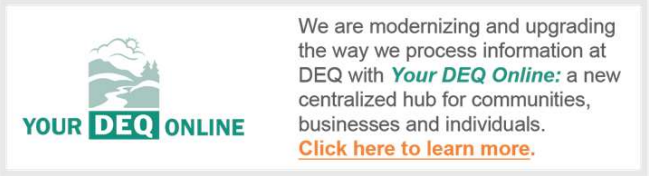

From: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Sent: Thursday, May 9, 2024 6:51 AM
To: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>
Subject: FW: Release Report

Hey Dave –

Can you reach out to Dave Borys and talk to him about what he observed. How much contamination, where it was from and if the plan is to remove it all. Remember, this is the Carson's decision to dig it out not ours. I just want to know what kind of agreement Carson and Peak have. The are still digging at the site today.

Once you get that information lets you and I talk and then we will reach out Ann Farris and Marti from Carson.

If there are two LUST sites here let's be real clear if there is a third and why. Also, let's work with Carson and try to get these LUST sites closed.

Thanks!

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Thursday, May 9, 2024 6:45 AM
To: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Cc: Chris Sheridan <csheridan@hydroconllc.net>
Subject: Release Report

Good morning Mark,

I would like to make a Release notification for 2158 NW Oneal Hwy, Prineville, OR (Attached is 30 day notice). I was not able to make the release report online because I did not sign up as an RP.

Sincerely,

David Borys

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Friday, May 10, 2024 12:33 PM
To: DROUIN Mark * DEQ
Subject: RE: Release Report

David Borys said there are two ASTs with leaky underground piping that feed a loading rack, and a 2-compartment 10k/10k UST. All 4 are on the 30-day.

The USTs had only vertical piping that runs straight up to a pump that then feeds the loading rack by further above ground piping.

About 400 tons has been removed from the AST underground lines, and about 150 tons from above the USTs- evidently most of the UST-related contamination was from above ground sources. USTs themselves said to be in good shape- there were bedded in sandy loam as opposed to the native very-compacted-to-cemented glacial till w/ small cobbles.

David said one of the LUST reports was from an isolated HOT.
07-98-0076 is open- reported as gasoline overfill affecting soil- discovered during decommissioning.
07-23-0714 gas and diesel affected soil and groundwater from unknown cause-source other-found during site assessment.

No reports available for either.

Evidently Carson is doing a voluntary cleanup – there is an ECSI file.

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

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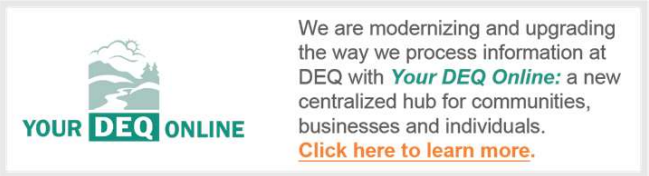

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David Borys

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Thursday, May 9, 2024 8:07 AM
To: DROUIN Mark * DEQ
Subject: RE: Release Report

On it!

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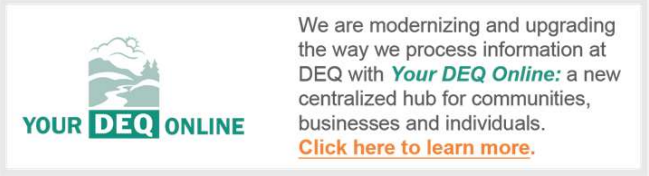

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Sincerely,

David Borys

PARDUE Dave * DEQ

From: PARDUE Dave * DEQ
Sent: Friday, April 26, 2024 1:03 PM
To: DROUIN Mark * DEQ
Subject: RE: 30 day Decommissioning Notice

The LUST files retrieved had zilch. The LUST database shows the first one as an overfill and the second as a site assessment. Now why did they do a site assessment last year? No clue.

Dave Pardue
Underground Storage Tank Program Coordinator
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Portland, OR 97232
503-229-6085
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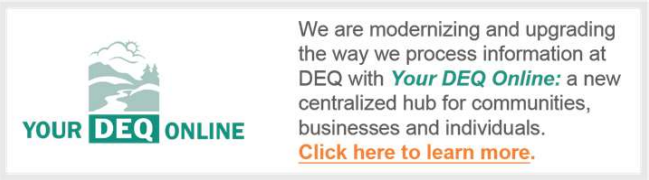

From: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Sent: Friday, April 12, 2024 4:56 PM
To: PARDUE Dave * DEQ <Dave.Pardue@deq.oregon.gov>
Cc: FARRIS Ann M * DEQ <Ann.M.FARRIS@deq.oregon.gov>
Subject: FW: 30 day Decommissioning Notice

Dave –

There is a decommissioning in Prineville April 29ish. There are two LUST sites associated with the facility (07-98-0076 and 07-23-0714).

Since this facility is in Eastern Oregon, any files would be in Bend. Ann Farris, the Cleanup Manager for Eastern Oregon, said she will look into getting the LUST files scanned and sent up to us for review. Also, since Prineville is not far from Bend, Ann or some of the staff may come out to the decommissioning.

Since we know there are two LUST sites here, we will talk about getting a cost recovery agreement from the responsible party and having you become the LUST project manager.

We will talk more next week.

Mark

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Friday, April 12, 2024 2:53 PM
To: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Subject: RE: 30 day Decommissioning Notice

We will be prepping for the UST removal the week of April 22, 2023 by removing and disposing of all product left in USTs and piping and completing concrete removal. The tanks will be ready to remove by April 29, 2024.

All ASTs are being removed by Carson Oil for reuse. The concrete containment the ASTs were in will be demolished.

Sincerely,

David Borys
360-719-0682

From: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Sent: Friday, April 12, 2024 2:37 PM
To: David Borys <DavidB@peakenvironmentalllc.com>
Subject: RE: 30 day Decommissioning Notice

There is no need to push it out as this is enough notice.

Do you hope to actually start the tank removal on April 29? Meaning, just breaking up concrete or removing the tanks.

This has nothing to do with this decommissioning, but are they taking out the above ground tanks?

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Friday, April 12, 2024 1:52 PM
To: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Subject: RE: 30 day Decommissioning Notice

Mark, we are starting demolition of the site the week of April 20, 2023. We will be ready to start decommissioning the USTs on April 29, 2024. We do not want a fine though, so if not possible to complete decommissioning on April 29, 2024 without a citation, 30 days notice will put us at May 7, 2024. I will be the decommissioner on site (26781).

Sincerely,

David Borys

From: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Sent: Friday, April 12, 2024 1:09 PM
To: David Borys <DavidB@peakenvironmentalllc.com>
Subject: RE: 30 day Decommissioning Notice

Dave – when do you plan on decommissioning these tanks in Prineville and who will be the decommissioning supervisor?

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Tuesday, April 9, 2024 2:38 PM
To: DROUIN Mark * DEQ <Mark.DROUIN@deq.oregon.gov>
Subject: Fwd: 30 day Decommissioning Notice

Please see attached thirty days notice for prineville facility

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Marti Sharp <marti.sharp@carsonteam.com>
Sent: Tuesday, April 9, 2024 2:36:24 PM
To: David Borys <DavidB@peakenvironmentalllc.com>; Chris Sheridan <csheridan@hydroconllc.net>
Subject: RE: 30 day Decommissioning Notice

See Attached – thank you!

Marti Sharp
General Counsel
D: 503.471.4305 | T: 800.998.7767

From: David Borys <DavidB@peakenvironmentalllc.com>
Sent: Thursday, April 4, 2024 7:05 AM
To: Chris Sheridan <csheridan@hydroconllc.net>
Cc: Marti Sharp <marti.sharp@carsonteam.com>
Subject: 30 day Decommissioning Notice

Chris/Marti,

Please see attached completed 30-day decommissioning notice for the Prineville, OR facility. I left the decommissioning date box blank. Marti will need to sign form and then it can be emailed to Mark Drouin

Sincerely,

David Borys

PARDUE Dave * DEQ

From: Oregon DEQ - Do not Reply - Production Server <noreply@deq.oregon.gov>
Sent: Friday, April 26, 2024 8:12 AM
To: GARCIA Andrea * DEQ; DROUIN Mark * DEQ; ECKERT Dylan * DEQ; FOSS Diana * DEQ; DIMOCK Lauren * DEQ; GAFFNEY Ingrid * DEQ; PARDUE Dave * DEQ; LITKE Emily * DEQ
Subject: 3 Day Notice for Decommissioning has been approved

A 3 Day Notice for Decommissioning has been approved for:
Facility: CARSON PRINEVILLE O'NEIL(80) in CROOK County.
Approved by: Mark Drouin
Supervisor: David Borys
Service Provider: Peak Environmental LLC
Work scheduled for: 05/01/2024
3 Day Confirmation #: 07-3D-24-016
Comments: Tanks to be removed and not replaced, standard site assessment sampling (md 4/7/2024)

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