



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:	12757		
FACILITY NAME:	315 Federal Street		
FACILITY ADDRESS:	315 Federal Street, The Dalles, OR 97058		
PERMITTEE PHONE:	541.705.5171	DATE:	7/1/2024

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 #:	21450	Construction Contractors Board License #:	245090
Name:	Martin S. Burck Associates		
Telephone:	541.387.4422		
DEQ Decommissioning Supervisor's License #:	27077		
Name:	Jonathan White		
Telephone:	541.387.4422		
DEQ Soil Matrix Service Provider's License #:		(If applicable)	
Name:			
Telephone:			
DEQ Soil Matrix Supervisor's License #:		(If applicable)	
Name:			
Telephone:			

F. DISPOSAL INFORMATION:

TANK ID #	TANK AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS	SLUDGES
UST1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Metro Metals	ORRCO	ORRCO
UST2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rivergate Scrap Metals	ORRCO	ORRCO
UST3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rivergate Scrap Metals	N/A	N/A
UST4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wasco County Landfill	N/A	N/A
UST5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wasco County Landfill	N/A	N/A

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)
UST1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Eurofins Environment Testing, Spokane, WA - 509.924.9200
UST2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Eurofins Environment Testing, Spokane, WA - 509.924.9200
UST3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Eurofins Environment Testing, Spokane, WA - 509.924.9200
UST4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	Eurofins Environment Testing, Spokane, WA - 509.924.9200
UST5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Eurofins Environment Testing, Spokane, WA - 509.924.9200

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.)

*See attached figure

I. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher:	Type/Size:	10 Lb Dry Chemical	Recharge Date:	7/20/2023
Combustible Gas Detector:	Model:	GasAlert Max XTII	Calibration Date:	1/22/2024
Oxygen Analyzer:	Model:	GasAlert Max XTII	Calibration Date:	1/22/2024

J. DECOMMISSIONING:

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

K. TANK ABANDONMENT IN-PLACE:

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

L. TANK REMOVAL:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
19. Tank placement area cleared, chocks placed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Purged or ventilated tank to prevent explosion? Method used: <u>Dry Ice</u> Meter reading: <u>3.2 to 7.4%</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Were chains or steel cables wrapped around tank for removal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Tank removed, set on ground, blocked to prevent movement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Tank set on truck and secured with straps(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Tank labeled before leaving site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

M. SITE ASSESSMENT:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
25. Site assessed for contamination? See OAR 340-122-0340	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Soil samples taken and analyzed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Was contamination found? Date/Time: <u>5/30/2024</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

N. REQUIRED SIGNATURES:

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

Permittee or Tank Owner: Zeke Stelzer

(Please Print)

DocuSigned by:

Permittee or Tank Owner:

Zeke Stelzer

23D54F8D635C40B...

(Signature)

Date: 7/1/2024

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

Licensed Supervisor: Jonathan White

(Please Print)

Licensed Supervisor:

Jon White

(Signature)

Date: 7/31/24

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

Executive Officer: Martin S. Burck

Licensed Service Provider

(Please Print)

Executive Officer:

Martin S. Burck

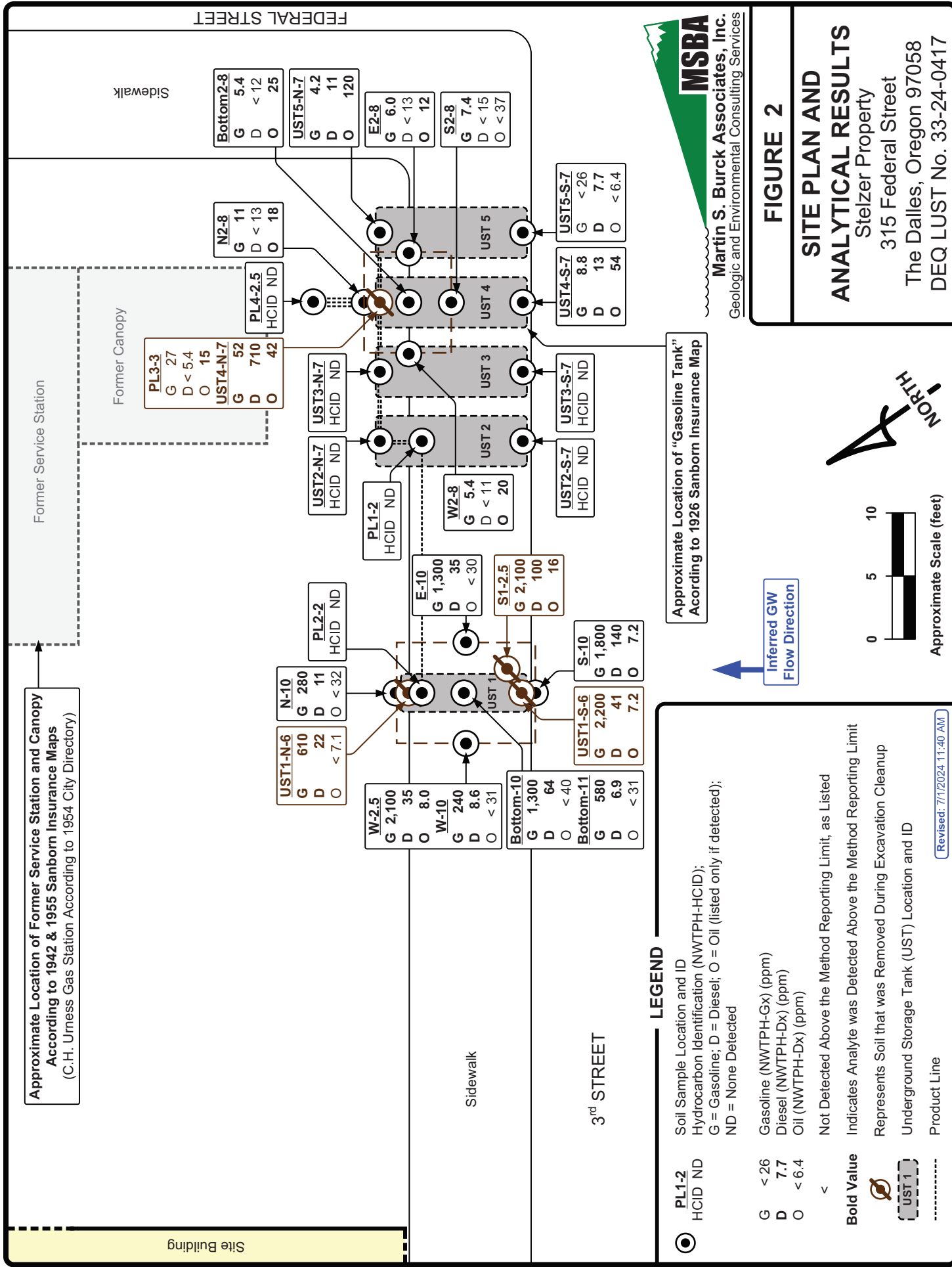
Date: 7/31/24

Licensed Service Provider

(Signature)

Figure

Figure 1 Site Plan and Analytical Results



Disposal & Recycling Documentation

CERTIFICATE OF DESTRUCTION

Company Name: Richard Prentice JR

Address:

Date of Delivery: 5/31/24

Shipping Memo # (or Dispatch #): T#: 4054997

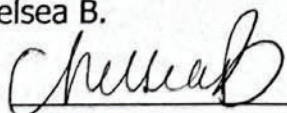
Description of Items:

Tank

Metro Metals NW, Inc. certifies that the described items above were (or will be) destroyed, rendering them useless for any other purpose than to recover scrap metal.

Method of Destruction: Shred

Name: Chelsea B.

Signature: 

Date: 5.31.24

Title: Buyer

Scrap
David Berg

173714

The Drilles OR
97058

5/1/8

CUSTOMER'S ORDER NO.		DATE	
NAME David Berg			
ADDRESS 5700 10th			
CITY, STATE, ZIP The Dalles 97058			
SOLD BY	CASH	C.O.D.	CHARGE
ON ACCT.	MDSE. RETD.	PAID OUT	
QUAN.	DESCRIPTION	AMOUNT	
1	RECEIVED (2) OLD		
2	FUEL TANKS FOR SCRAP		
3	will be taken to RIVER		
4	GATE SCRAP PORTLAND OR		
5	ON JUNE 12, 24 to		
6	be disposed of.		
7			
8	David Berg		
9			
10	6-12-24		

Wasco County Landfill
WASCO COUNTY LANDFILL
2550 Steele Road
The Dalles, OR 97058

000002
CASH CUSTOMER - Check

Site 01
Ticket 00519162
Date In 06/11/24
Time In 09:36:42
Date Out 06/11/24
Time Out 09:54:23

SABRINA

Ref. TOM OLSON

DESCRIPTION

Scale 3 Gross Wt.	43540LB	Vehicle WC-24-138
Scale 7 Tare Wt.	23920LB	Roll-Off
Net Wt.	19620LB	TON 9.81

PETR CONT SOIL - IN @ \$ 40.120 per TON	393.58
SWA APPLICATION @ \$ 50.000 per unit	50.00
HHW	0.00
MET1	0.00
MET2	0.00

Net Cash Amount	443.58
Amt. Tendered	443.58
Change	0.00
Check # 1234	

PO #
TRAILER #
DRIVER TOM OLSON

BY SIGNING THIS, I CERTIFY THAT THIS DISPOSAL MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS WASTE. **OFFICE PH# (541)296-4082**

Signature _____

Wasco County Landfill
 WASCO COUNTY LANDFILL
 2550 Steele Road
 The Dalles, OR 97058

000002
 CASH CUSTOMER - Check

Site 01
 Ticket 00519194
 Date In 06/11/24
 Time In 11:37:25
 Date Out 06/11/24
 Time Out 11:55:11

SABRINA
 Origin WASC

Ref. TOM OLSON
 Grid

DESCRIPTION

Scale 3 Gross Wt.	51800LB	Vehicle WC-24-138	
Scale 7 Tare Wt.	23900LB	Roll-Off	
Net Wt.	27900LB	TON	13.95

PETR CONT SOIL - IN @ \$ 40.120 per TON	559.67
HHW	0.00
MET1	0.00
MET2	0.00

Net Cash Amount	559.67
Amt. Tendered	559.67
Change	0.00
Check # 5086	

PO #
 TRAILER #
 DRIVER TOM OLSON

BY SIGNING THIS, I CERTIFY THAT THIS DISPOSAL MATERIAL
 ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
 CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
 CONTAINS NO HAZARDOUS WASTE. **OFFICE PH# (541)296-4082**

Signature _____

Wasco County Landfill
WASCO COUNTY LANDFILL
2550 Steele Road
The Dalles, OR 97058

000002
CASH CUSTOMER - Check

Site 01
Ticket 00519220
Date In 06/11/24
Time In 13:06:39
Date Out 06/11/24
Time Out 13:25:51

SABRINA
Origin WASC

Ref. TOM OLSON
Grid

DESCRIPTION

Scale 3 Gross Wt.	50480LB	Vehicle WC-24-138
Scale 7 Tare Wt.	23840LB	Roll-Off
Net Wt.	26640LB	TON 13.32

PETR CONT SOIL - IN @ \$ 40.120 per TON	534.40
HHW	0.00
MET1	0.00
MET2	0.00
Net Cash Amount	534.40
Amt. Tendered	534.40
Change	0.00
Check # 5086	

PO #
TRAILER #
DRIVER TOM OLSON

BY SIGNING THIS, I CERTIFY THAT THIS DISPOSAL MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS WASTE. **OFFICE PH# (541)296-4082**

Signature _____

Wasco County Landfill
WASCO COUNTY LANDFILL
2550 Steele Road
The Dalles, OR 97058

000002
CASH CUSTOMER - Check

Site 01
Ticket 00519239
Date In 06/11/24
Time In 14:25:30
Date Out 06/11/24
Time Out 14:42:11

SABRINA
Origin WASC

Ref. TOM OLSON
Grid

DESCRIPTION

Scale 3 Gross Wt.	33360LB	Vehicle WC-24-138	
Scale 7 Tare Wt.	23880LB	Roll-Off	
Net Wt.	9480LB	TON	4.74

PETR CONT SOIL - IN @ \$ 40.120 per TON	190.17
BHW	0.00
MET1	0.00
MET2	0.00
Net Cash Amount	190.17
Amt. Tendered	190.17
Change	0.00
Check # 5086	

PO #
TRAILER #
DRIVER TOM OLSON

BY SIGNING THIS, I CERTIFY THAT THIS DISPOSAL MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS WASTE. **OFFICE PH# (541)296-4082**

Signature _____

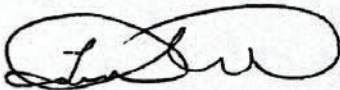
Tom Olson Trucking
81770 Rail Hollow Rd
Dufur, Oregon 97021

July 1, 2024

To Whom it May Concern,

On May 30th, 2024, approximately 400 gallons of gasoline and diesel was removed from the underground storage tanks located at 315 Federal Street, The Dalles, Oregon. The gasoline and diesel fuel were transported to our shop located at 6088 8 Mile Road, The Dalles, Oregon where it is being stored pending future recycling at Oil-Re-Refining Company (ORRCO) in Portland, Oregon. The recycling receipts will be kept on file at our facility.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Olson', with a large, stylized loop at the end.

Tom Olson
Tom Olson Trucking
(541) 996-1814

Laboratory Reports

Sample Date 5/30-31/24 (Eurofins #J25139-1)

Sample Date 6/11/24 (Eurofins #J25335-1)

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 6/7/2024 4:29:07 PM

JOB DESCRIPTION

Stelzer - The Dalles

JOB NUMBER

590-25139-1

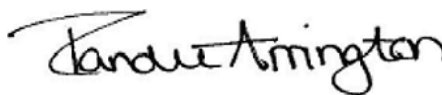
Eurofins Spokane

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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6/7/2024 4:29:07 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200



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Case Narrative

Client: Martin S Burck Associates
Project: Stelzer - The Dalles

Job ID: 590-25139-1

Job ID: 590-25139-1

Eurofins Spokane

Job Narrative 590-25139-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/4/2024 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

Gasoline Range Organics

Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap: UST1-N-6 (590-25139-1), UST1-S-6 (590-25139-2), UST4-N-7 (590-25139-7) and UST4-S-7 (590-25139-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered gasoline and/or a heavy gas/light weight diesel component.

UST1-N-6 (590-25139-1), UST1-S-6 (590-25139-2), UST4-N-7 (590-25139-7), S1-2.5 (590-25139-11) and (590-25139-A-1-B DU)

Method NWTPH_Dx: Detected hydrocarbons appear to be due to creosote or similar product.

UST4-S-7 (590-25139-8)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Spokane

Sample Summary

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-25139-1	UST1-N-6	Solid	05/30/24 14:02	06/04/24 10:10
590-25139-2	UST1-S-6	Solid	05/30/24 14:14	06/04/24 10:10
590-25139-3	UST2-N-7	Solid	05/30/24 16:14	06/04/24 10:10
590-25139-4	UST2-S-7	Solid	05/30/24 15:59	06/04/24 10:10
590-25139-5	UST3-N-7	Solid	05/31/24 13:41	06/04/24 10:10
590-25139-6	UST3-S-7	Solid	05/31/24 13:33	06/04/24 10:10
590-25139-7	UST4-N-7	Solid	05/31/24 15:06	06/04/24 10:10
590-25139-8	UST4-S-7	Solid	05/31/24 14:52	06/04/24 10:10
590-25139-9	UST5-N-7	Solid	05/31/24 17:02	06/04/24 10:10
590-25139-10	UST5-S-7	Solid	05/31/24 17:15	06/04/24 10:10
590-25139-11	S1-2.5	Solid	05/30/24 13:10	06/04/24 10:10
590-25139-12	PL1-2	Solid	05/31/24 08:13	06/04/24 10:10
590-25139-13	PL2-2	Solid	05/31/24 08:54	06/04/24 10:10
590-25139-14	PL3-3	Solid	05/31/24 16:41	06/04/24 10:10

Definitions/Glossary

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST1-N-6

Date Collected: 05/30/24 14:02

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-1

Matrix: Solid

Percent Solids: 69.4

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	610		8.7	3.1	mg/Kg	☆	06/05/24 11:47	06/05/24 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		41.5 - 162				06/05/24 11:47	06/05/24 19:35	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	22		14	5.9	mg/Kg	☆	06/04/24 12:42	06/05/24 01:21	1
Residual Range Organics (RRO) (C25-C36)	ND		35	7.1	mg/Kg	☆	06/04/24 12:42	06/05/24 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				06/04/24 12:42	06/05/24 01:21	1
n-Triacontane-d62	93		50 - 150				06/04/24 12:42	06/05/24 01:21	1

Client Sample ID: UST1-S-6

Date Collected: 05/30/24 14:14

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-2

Matrix: Solid

Percent Solids: 75.7

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2200		73	26	mg/Kg	☆	06/05/24 11:47	06/05/24 19:57	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		41.5 - 162				06/05/24 11:47	06/05/24 19:57	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	41		13	5.3	mg/Kg	☆	06/04/24 12:42	06/05/24 02:03	1
Residual Range Organics (RRO) (C25-C36)	7.2 J		32	6.4	mg/Kg	☆	06/04/24 12:42	06/05/24 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				06/04/24 12:42	06/05/24 02:03	1
n-Triacontane-d62	93		50 - 150				06/04/24 12:42	06/05/24 02:03	1

Client Sample ID: UST2-N-7

Date Collected: 05/30/24 16:14

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-3

Matrix: Solid

Percent Solids: 74.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		33	33	mg/Kg	☆	06/04/24 14:50	06/05/24 12:33	1
Diesel Range Organics (DRO) (C10-C25)	ND		65	65	mg/Kg	☆	06/04/24 14:50	06/05/24 12:33	1
Residual Range Organics (RRO) (C25-C36)	ND		130	130	mg/Kg	☆	06/04/24 14:50	06/05/24 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150				06/04/24 14:50	06/05/24 12:33	1
n-Triacontane-d62	87		50 - 150				06/04/24 14:50	06/05/24 12:33	1

Eurofins Spokane

Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST2-S-7

Date Collected: 05/30/24 15:59

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-4

Matrix: Solid

Percent Solids: 80.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		31	31	mg/Kg	☆	06/04/24 14:50	06/05/24 13:15	1
Diesel Range Organics (DRO) (C10-C25)	ND		62	62	mg/Kg	☆	06/04/24 14:50	06/05/24 13:15	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☆	06/04/24 14:50	06/05/24 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	92		50 - 150				06/04/24 14:50	06/05/24 13:15	1
<i>n</i> -Triacontane-d62	81		50 - 150				06/04/24 14:50	06/05/24 13:15	1

Client Sample ID: UST3-N-7

Date Collected: 05/31/24 13:41

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-5

Matrix: Solid

Percent Solids: 78.0

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		31	31	mg/Kg	☆	06/04/24 14:50	06/05/24 13:36	1
Diesel Range Organics (DRO) (C10-C25)	ND		62	62	mg/Kg	☆	06/04/24 14:50	06/05/24 13:36	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☆	06/04/24 14:50	06/05/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	88		50 - 150				06/04/24 14:50	06/05/24 13:36	1
<i>n</i> -Triacontane-d62	78		50 - 150				06/04/24 14:50	06/05/24 13:36	1

Client Sample ID: UST3-S-7

Date Collected: 05/31/24 13:33

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-6

Matrix: Solid

Percent Solids: 79.8

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		30	30	mg/Kg	☆	06/04/24 14:50	06/05/24 13:57	1
Diesel Range Organics (DRO) (C10-C25)	ND		60	60	mg/Kg	☆	06/04/24 14:50	06/05/24 13:57	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☆	06/04/24 14:50	06/05/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	87		50 - 150				06/04/24 14:50	06/05/24 13:57	1
<i>n</i> -Triacontane-d62	77		50 - 150				06/04/24 14:50	06/05/24 13:57	1

Client Sample ID: UST4-N-7

Date Collected: 05/31/24 15:06

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-7

Matrix: Solid

Percent Solids: 74.7

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	52	J	75	27	mg/Kg	☆	06/05/24 11:47	06/05/24 20:19	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		41.5 - 162				06/05/24 11:47	06/05/24 20:19	10

Eurofins Spokane

Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST4-N-7

Lab Sample ID: 590-25139-7

Date Collected: 05/31/24 15:06

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 74.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	710		13	5.4	mg/Kg	☆	06/04/24 12:42	06/05/24 02:24	1
Residual Range Organics (RRO) (C25-C36)	42		32	6.4	mg/Kg	☆	06/04/24 12:42	06/05/24 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150				06/04/24 12:42	06/05/24 02:24	1
n-Triacontane-d62	98		50 - 150				06/04/24 12:42	06/05/24 02:24	1

Client Sample ID: UST4-S-7

Lab Sample ID: 590-25139-8

Date Collected: 05/31/24 14:52

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 74.6

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	8.8		8.1	2.9	mg/Kg	☆	06/05/24 11:47	06/05/24 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		41.5 - 162				06/05/24 11:47	06/05/24 20:41	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	13		13	5.4	mg/Kg	☆	06/04/24 12:42	06/05/24 02:45	1
Residual Range Organics (RRO) (C25-C36)	54		32	6.4	mg/Kg	☆	06/04/24 12:42	06/05/24 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				06/04/24 12:42	06/05/24 02:45	1
n-Triacontane-d62	99		50 - 150				06/04/24 12:42	06/05/24 02:45	1

Client Sample ID: UST5-N-7

Lab Sample ID: 590-25139-9

Date Collected: 05/31/24 17:02

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 79.4

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4.2	J	7.4	2.7	mg/Kg	☆	06/05/24 11:47	06/07/24 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		41.5 - 162				06/05/24 11:47	06/07/24 13:16	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	11	J	12	5.2	mg/Kg	☆	06/04/24 12:42	06/05/24 03:06	1
Residual Range Organics (RRO) (C25-C36)	120		31	6.2	mg/Kg	☆	06/04/24 12:42	06/05/24 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150				06/04/24 12:42	06/05/24 03:06	1
n-Triacontane-d62	100		50 - 150				06/04/24 12:42	06/05/24 03:06	1

Eurofins Spokane

Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST5-S-7

Date Collected: 05/31/24 17:15

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-10

Matrix: Solid

Percent Solids: 76.8

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		71	26	mg/Kg	☆	06/05/24 11:47	06/07/24 13:38	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		41.5 - 162				06/05/24 11:47	06/07/24 13:38	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	7.7	J	13	5.4	mg/Kg	☆	06/04/24 12:42	06/05/24 03:28	1
Residual Range Organics (RRO) (C25-C36)	ND		32	6.4	mg/Kg	☆	06/04/24 12:42	06/05/24 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				06/04/24 12:42	06/05/24 03:28	1
n-Triacontane-d62	94		50 - 150				06/04/24 12:42	06/05/24 03:28	1

Client Sample ID: S1-2.5

Date Collected: 05/30/24 13:10

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-11

Matrix: Solid

Percent Solids: 79.3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2100		66	24	mg/Kg	☆	06/05/24 11:47	06/07/24 14:00	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		41.5 - 162				06/05/24 11:47	06/07/24 14:00	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	100		12	5.1	mg/Kg	☆	06/04/24 12:42	06/05/24 04:10	1
Residual Range Organics (RRO) (C25-C36)	16	J	31	6.1	mg/Kg	☆	06/04/24 12:42	06/05/24 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	105		50 - 150				06/04/24 12:42	06/05/24 04:10	1
n-Triacontane-d62	105		50 - 150				06/04/24 12:42	06/05/24 04:10	1

Client Sample ID: PL1-2

Date Collected: 05/31/24 08:13

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-12

Matrix: Solid

Percent Solids: 82.7

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		29	29	mg/Kg	☆	06/04/24 14:50	06/05/24 14:18	1
Diesel Range Organics (DRO) (C10-C25)	ND		59	59	mg/Kg	☆	06/04/24 14:50	06/05/24 14:18	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☆	06/04/24 14:50	06/05/24 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150				06/04/24 14:50	06/05/24 14:18	1
n-Triacontane-d62	79		50 - 150				06/04/24 14:50	06/05/24 14:18	1

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Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: PL2-2

Date Collected: 05/31/24 08:54

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-13

Matrix: Solid

Percent Solids: 82.6

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		29	29	mg/Kg	☼	06/04/24 14:50	06/05/24 14:39	1
Diesel Range Organics (DRO) (C10-C25)	ND		59	59	mg/Kg	☼	06/04/24 14:50	06/05/24 14:39	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	06/04/24 14:50	06/05/24 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	87		50 - 150				06/04/24 14:50	06/05/24 14:39	1
<i>n</i> -Triacontane-d62	78		50 - 150				06/04/24 14:50	06/05/24 14:39	1

Client Sample ID: PL3-3

Date Collected: 05/31/24 16:41

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-14

Matrix: Solid

Percent Solids: 74.6

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	27		8.2	3.0	mg/Kg	☼	06/05/24 11:47	06/07/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		41.5 - 162				06/05/24 11:47	06/07/24 14:22	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		13	5.4	mg/Kg	☼	06/04/24 12:43	06/05/24 04:31	1
Residual Range Organics (RRO) (C25-C36)	15 J		32	6.5	mg/Kg	☼	06/04/24 12:43	06/05/24 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150				06/04/24 12:43	06/05/24 04:31	1
<i>n</i> -Triacontane-d62	96		50 - 150				06/04/24 12:43	06/05/24 04:31	1

Eurofins Spokane

QC Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-47678/1-A

Matrix: Solid

Analysis Batch: 47691

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		06/05/24 11:47	06/05/24 13:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		41.5 - 162				06/05/24 11:47	06/05/24 13:45	1

Lab Sample ID: LCS 590-47678/3-A

Matrix: Solid

Analysis Batch: 47691

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	50.0	54.7		mg/Kg		109	74.4 - 124
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	102		41.5 - 162				

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-47653/1-A

Matrix: Solid

Analysis Batch: 47665

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47653

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		06/04/24 12:42	06/05/24 00:39	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		06/04/24 12:42	06/05/24 00:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				06/04/24 12:42	06/05/24 00:39	1
n-Triacontane-d62	89		50 - 150				06/04/24 12:42	06/05/24 00:39	1

Lab Sample ID: LCS 590-47653/2-A

Matrix: Solid

Analysis Batch: 47665

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47653

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	64.0		mg/Kg		96	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	64.9		mg/Kg		97	50 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	98		50 - 150				
n-Triacontane-d62	97		50 - 150				

Eurofins Spokane

QC Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: 590-25139-1 DU

Matrix: Solid

Analysis Batch: 47665

Client Sample ID: UST1-N-6

Prep Type: Total/NA

Prep Batch: 47653

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Diesel Range Organics (DRO) (C10-C25)	22		39.5	F3	mg/Kg	⊛	57	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	⊛	NC	40
Surrogate	%Recovery	DU Qualifier	DU	Limits				
o-Terphenyl	95			50 - 150				
n-Triacontane-d62	94			50 - 150				

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 590-47662/1-A

Matrix: Solid

Analysis Batch: 47675

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47662

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25	25	mg/Kg		06/04/24 14:50	06/05/24 12:12	1
Diesel Range Organics (DRO) (C10-C25)	ND		50	50	mg/Kg		06/04/24 14:50	06/05/24 12:12	1
Residual Range Organics (RRO) (C25-C36)	ND		100	100	mg/Kg		06/04/24 14:50	06/05/24 12:12	1
Surrogate	%Recovery	MB Qualifier	MB	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	93			50 - 150			06/04/24 14:50	06/05/24 12:12	1
n-Triacontane-d62	87			50 - 150			06/04/24 14:50	06/05/24 12:12	1

Lab Sample ID: 590-25139-3 DU

Matrix: Solid

Analysis Batch: 47675

Client Sample ID: UST2-N-7

Prep Type: Total/NA

Prep Batch: 47662

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Gasoline Range Organics [C6 - C10]	ND		ND		mg/Kg	⊛	NC	25
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	⊛	NC	25
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	⊛	NC	25
Surrogate	%Recovery	DU Qualifier	DU	Limits				
o-Terphenyl	89			50 - 150				
n-Triacontane-d62	80			50 - 150				

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST1-N-6

Date Collected: 05/30/24 14:02

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST1-N-6

Date Collected: 05/30/24 14:02

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-1

Matrix: Solid

Percent Solids: 69.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.17 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47691	06/05/24 19:35	JSP	EET SPK
Total/NA	Prep	3550C			15.33 g	5 mL	47653	06/04/24 12:42	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 01:21	NMI	EET SPK

Client Sample ID: UST1-S-6

Date Collected: 05/30/24 14:14

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST1-S-6

Date Collected: 05/30/24 14:14

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-2

Matrix: Solid

Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.58 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	47691	06/05/24 19:57	JSP	EET SPK
Total/NA	Prep	3550C			15.53 g	5 mL	47653	06/04/24 12:42	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 02:03	NMI	EET SPK

Client Sample ID: UST2-N-7

Date Collected: 05/30/24 16:14

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST2-N-7

Date Collected: 05/30/24 16:14

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-3

Matrix: Solid

Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.29 g	20 mL	47662	06/04/24 14:50	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	47675	06/05/24 12:33	NMI	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST2-S-7

Lab Sample ID: 590-25139-4

Date Collected: 05/30/24 15:59

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST2-S-7

Lab Sample ID: 590-25139-4

Date Collected: 05/30/24 15:59

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.08 g	20 mL	47662	06/04/24 14:50	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	47675	06/05/24 13:15	NMI	EET SPK

Client Sample ID: UST3-N-7

Lab Sample ID: 590-25139-5

Date Collected: 05/31/24 13:41

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST3-N-7

Lab Sample ID: 590-25139-5

Date Collected: 05/31/24 13:41

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.34 g	20 mL	47662	06/04/24 14:50	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	47675	06/05/24 13:36	NMI	EET SPK

Client Sample ID: UST3-S-7

Lab Sample ID: 590-25139-6

Date Collected: 05/31/24 13:33

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST3-S-7

Lab Sample ID: 590-25139-6

Date Collected: 05/31/24 13:33

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.40 g	20 mL	47662	06/04/24 14:50	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	47675	06/05/24 13:57	NMI	EET SPK

Client Sample ID: UST4-N-7

Lab Sample ID: 590-25139-7

Date Collected: 05/31/24 15:06

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST4-N-7

Lab Sample ID: 590-25139-7

Date Collected: 05/31/24 15:06

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.56 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	47691	06/05/24 20:19	JSP	EET SPK
Total/NA	Prep	3550C			15.61 g	5 mL	47653	06/04/24 12:42	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 02:24	NMI	EET SPK

Client Sample ID: UST4-S-7

Lab Sample ID: 590-25139-8

Date Collected: 05/31/24 14:52

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST4-S-7

Lab Sample ID: 590-25139-8

Date Collected: 05/31/24 14:52

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 74.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.39 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47691	06/05/24 20:41	JSP	EET SPK
Total/NA	Prep	3550C			15.61 g	5 mL	47653	06/04/24 12:42	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 02:45	NMI	EET SPK

Client Sample ID: UST5-N-7

Lab Sample ID: 590-25139-9

Date Collected: 05/31/24 17:02

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: UST5-N-7

Lab Sample ID: 590-25139-9

Date Collected: 05/31/24 17:02

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.3 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47726	06/07/24 13:16	JSP	EET SPK
Total/NA	Prep	3550C			15.26 g	5 mL	47653	06/04/24 12:42	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 03:06	NMI	EET SPK

Client Sample ID: UST5-S-7

Lab Sample ID: 590-25139-10

Date Collected: 05/31/24 17:15

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: UST5-S-7

Lab Sample ID: 590-25139-10

Date Collected: 05/31/24 17:15

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.69 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	47726	06/07/24 13:38	JSP	EET SPK
Total/NA	Prep	3550C			15.15 g	5 mL	47653	06/04/24 12:42	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 03:28	NMI	EET SPK

Client Sample ID: S1-2.5

Lab Sample ID: 590-25139-11

Date Collected: 05/30/24 13:10

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: S1-2.5

Lab Sample ID: 590-25139-11

Date Collected: 05/30/24 13:10

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.97 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	47726	06/07/24 14:00	JSP	EET SPK
Total/NA	Prep	3550C			15.41 g	5 mL	47653	06/04/24 12:42	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 04:10	NMI	EET SPK

Client Sample ID: PL1-2

Lab Sample ID: 590-25139-12

Date Collected: 05/31/24 08:13

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: PL1-2

Lab Sample ID: 590-25139-12

Date Collected: 05/31/24 08:13

Matrix: Solid

Date Received: 06/04/24 10:10

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.33 g	20 mL	47662	06/04/24 14:50	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	47675	06/05/24 14:18	NMI	EET SPK

Client Sample ID: PL2-2

Lab Sample ID: 590-25139-13

Date Collected: 05/31/24 08:54

Matrix: Solid

Date Received: 06/04/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:48	MRV	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Client Sample ID: PL2-2

Date Collected: 05/31/24 08:54

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-13

Matrix: Solid

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.33 g	20 mL	47662	06/04/24 14:50	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	47675	06/05/24 14:39	NMI	EET SPK

Client Sample ID: PL3-3

Date Collected: 05/31/24 16:41

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47654	06/04/24 12:46	MRV	EET SPK

Client Sample ID: PL3-3

Date Collected: 05/31/24 16:41

Date Received: 06/04/24 10:10

Lab Sample ID: 590-25139-14

Matrix: Solid

Percent Solids: 74.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.27 g	10 mL	47678	06/05/24 11:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47726	06/07/24 14:22	JSP	EET SPK
Total/NA	Prep	3550C			15.53 g	5 mL	47653	06/04/24 12:43	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47665	06/05/24 04:31	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-08-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Method Summary

Client: Martin S Burck Associates
Project/Site: Stelzer - The Dalles

Job ID: 590-25139-1

Method	Method Description	Protocol	Laboratory
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
NWTPH-HCID	Northwest - Hydrocarbon Identification (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
NWTPH-HCID	Solvent Extraction	NWTPH	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Chain of Custody Record

Client Information		Sampler: Jon White		Lab PM: Arrington, Randee E		Carrier Tracking Note(s):		COC No: 590-10152-2869.1	
Client Contact: Jonathon White		Phone: 541.387 4422		E-Mail: Randee.Arrington@eurofins.com		State of Origin:		Page: Page 1 of 2	
Company: Martin S Burck Associates		PWSID:		Analysis Requested		Job #:		Preservation Codes	
Address: 200 North Wasco Ct		Due Date Requested: 6/6/24		TAT Requested (days): 2 - Day TAT		Compliance Project: Δ Yes Δ No		N None	
City: Hood River		PO #:		Purchase Order not required		WO #:		F MeOH	
State, Zip: OR, 97031		Project #:		59002682		SSOW#:		Other:	
Phone: 541-387-4422(Tel)		Project Name: Stelzer - The Dalles		Site: 315 Federal St - The Dalles		Field Filtered Sample (Yes or No)		6010D, 8270E, SIM, NWTPH, DX	
Email: jwhite@msbaenvironmental.com		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=oil, T=tissue, A=air)	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=oil, T=tissue, A=air)	
YST1-N-6		5/30/24		14:02		G		Solid	
YST1-S-6		5/30/24		14:14		G		Solid	
YST2-N-7		5/30/24		16:14		G		Solid	
YST2-S-7		5/30/24		15:59		G		Solid	
YST3-N-7		5/31/24		13:41		G		Solid	
YST3-S-7		5/31/24		13:33		G		Solid	
YST4-N-7		5/31/24		15:06		G		Solid	
YST4-S-7		5/31/24		14:52		G		Solid	
YST5-N-7		5/31/24		17:02		G		Solid	
YST5-S-7		5/31/24		17:15		G		Solid	
S1-2.5		5/30/24		13:10		G		Solid	
Possible Hazard Identification		Non-Hazard		Flammable		Skin Irritant		Poison B	
Deliverable Requested: I II III IV Other (specify)		Unknown		Radiological		Return To Client		Disposal By Lab	
Empty Kit Relinquished by:		Date:		Time:		Special Instructions/QC Requirements:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Relinquished by: Jon White		Date/Time: 6/3/24 - 13:00		Company: MSBA		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 3.8, can 12000		Date/Time: 6/4/24 10:10		Company: ELET80	

Client Information		Lab PM:	Carrier Tracking No(s):		COC No:										
Client Contact: Jonathon White Company: Martin S Burck Associates		Arrington, Randee E			590-10152-2869.2										
Phone: 541 387-4422		E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin:		Page: Page 2 of 2										
Address: 200 North Wasco Ct City: Hood River State, Zip: OR, 97031 Phone: 541-387-4422(Tel) Email: jwhite@msbaenvironmental.com Project Name: Stelzer - The Dalles Site: 315 Federal St. - The Dalles		Job #:													
Due Date Requested: 6/6/24		Analysis Requested													
TAT Requested (days): 2-Day TAT															
Compliance Project: Δ Yes Δ No															
Purchase Order not required															
PO #:															
WO #:															
Project #: 59002682															
SOW#:															
Sample Identification	Sample Date	Sample Time	Sample Type (G=grab)	Matrix (W-water, G-solid, O-others)	Field Filtered Sample (Yes or No)	Field MSMSD (Yes or No)	6010D, 8270E, SIM, NWTPH, DX	8260D, NWTPH, Gx, MS	8260D Standard Analyte List	NWTPH-HCID	NWTPH-DX	NWTPH-GX	Held	Total Number of Containers	Special Instructions/Note:
PL1-2	5/31/24	08:13	G	Solid	X	X			F						
PL2-2	5/31/24	08:54	G	Solid						X					
PL3-3	5/31/24	16:41	G	Solid						X					
SP1	5/31/24	14:39	G	Solid									X		
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Polson B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/>						Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV Other (specify)															
Empty Kit Relinquished by:															
Relinquished by: Jon White Date: 6/3/24 - 1300 Company: MSBA															
Relinquished by: Date: Company:															
Relinquished by: Date: Company:															
Custody Seal No. A Yes A No															
Cooler Temperature(s) °C and Other Remarks: 38°C 10:10 6/6/24 10:10 6/6/24 10:10															

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-25139-1

Login Number: 25139

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

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JOB DESCRIPTION

Stelzer-The Dalles

JOB NUMBER

590-25335-1

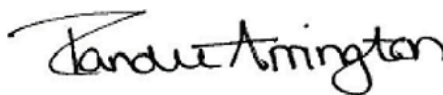
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Job Notes

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Authorization



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Case Narrative

Client: Martin S Burck Associates
Project: Stelzer-The Dalles

Job ID: 590-25335-1

Job ID: 590-25335-1

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Job Narrative 590-25335-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/13/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

Gasoline Range Organics

Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap: N-10 (590-25335-1), W-10 (590-25335-5), Bottom-10 (590-25335-6), Bottom-11 (590-25335-7), N2-8 (590-25335-8), E2-8 (590-25335-9), S2-8 (590-25335-10), W2-8 (590-25335-11) and Bottom2-8 (590-25335-12).

Method NWTPH_Gx_MS: The method blank for preparation batch 590-47935 and analytical batch 590-47939 contained Gasoline above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap: E-10 (590-25335-2), S-10 (590-25335-3) and W-2.5 (590-25335-4).

Method NWTPH_Gx_MS: The continuing calibration verification (CCV) associated with batch 590-47939 recovered above the upper control limit for Gasoline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to a heavy gas/light diesel range component.

N-10 (590-25335-1), E-10 (590-25335-2), S-10 (590-25335-3), W-2.5 (590-25335-4), W-10 (590-25335-5), Bottom-10 (590-25335-6) and Bottom-11 (590-25335-7)

Method NWTPH_Dx: Surrogate recovery for the following samples were outside control limits: (590-25215-A-2-C) and (590-25215-A-2-D DU). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Sample Summary

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-25335-1	N-10	Solid	06/11/24 13:18	06/13/24 10:00
590-25335-2	E-10	Solid	06/11/24 13:31	06/13/24 10:00
590-25335-3	S-10	Solid	06/11/24 13:25	06/13/24 10:00
590-25335-4	W-2.5	Solid	06/11/24 13:51	06/13/24 10:00
590-25335-5	W-10	Solid	06/11/24 13:40	06/13/24 10:00
590-25335-6	Bottom-10	Solid	06/11/24 12:55	06/13/24 10:00
590-25335-7	Bottom-11	Solid	06/11/24 13:12	06/13/24 10:00
590-25335-8	N2-8	Solid	06/11/24 14:31	06/13/24 10:00
590-25335-9	E2-8	Solid	06/11/24 14:46	06/13/24 10:00
590-25335-10	S2-8	Solid	06/11/24 14:39	06/13/24 10:00
590-25335-11	W2-8	Solid	06/11/24 14:54	06/13/24 10:00
590-25335-12	Bottom2-8	Solid	06/11/24 15:02	06/13/24 10:00
590-25335-13	PL4-2.5	Solid	06/11/24 16:03	06/13/24 10:00

Definitions/Glossary

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: N-10

Lab Sample ID: 590-25335-1

Date Collected: 06/11/24 13:18

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 77.1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	280	B	8.3	3.0	mg/Kg	☼	06/18/24 11:44	06/18/24 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		41.5 - 162				06/18/24 11:44	06/18/24 17:02	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	11	J	13	5.3	mg/Kg	☼	06/14/24 07:31	06/15/24 00:18	1
Residual Range Organics (RRO) (C25-C36)	ND		32	6.3	mg/Kg	☼	06/14/24 07:31	06/15/24 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150				06/14/24 07:31	06/15/24 00:18	1
n-Triacontane-d62	91		50 - 150				06/14/24 07:31	06/15/24 00:18	1

Client Sample ID: E-10

Lab Sample ID: 590-25335-2

Date Collected: 06/11/24 13:31

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 77.4

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1300		93	33	mg/Kg	☼	06/18/24 11:44	06/19/24 14:07	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		41.5 - 162				06/18/24 11:44	06/19/24 14:07	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	35		12	5.1	mg/Kg	☼	06/14/24 07:31	06/15/24 00:39	1
Residual Range Organics (RRO) (C25-C36)	ND		30	6.1	mg/Kg	☼	06/14/24 07:31	06/15/24 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150				06/14/24 07:31	06/15/24 00:39	1
n-Triacontane-d62	95		50 - 150				06/14/24 07:31	06/15/24 00:39	1

Client Sample ID: S-10

Lab Sample ID: 590-25335-3

Date Collected: 06/11/24 13:25

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 73.5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1800		99	36	mg/Kg	☼	06/18/24 11:44	06/19/24 14:28	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		41.5 - 162				06/18/24 11:44	06/19/24 14:28	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	140		13	5.6	mg/Kg	☼	06/14/24 07:31	06/15/24 01:01	1

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Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: S-10

Lab Sample ID: 590-25335-3

Date Collected: 06/11/24 13:25

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 73.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	7.2	J	33	6.6	mg/Kg	☼	06/14/24 07:31	06/15/24 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	89		50 - 150				06/14/24 07:31	06/15/24 01:01	1
<i>n</i> -Triacontane-d62	95		50 - 150				06/14/24 07:31	06/15/24 01:01	1

Client Sample ID: W-2.5

Lab Sample ID: 590-25335-4

Date Collected: 06/11/24 13:51

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 77.7

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2100		76	27	mg/Kg	☼	06/18/24 11:44	06/19/24 14:51	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		41.5 - 162				06/18/24 11:44	06/19/24 14:51	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	35		13	5.3	mg/Kg	☼	06/14/24 07:31	06/15/24 01:45	1
Residual Range Organics (RRO) (C25-C36)	8.0	J	32	6.3	mg/Kg	☼	06/14/24 07:31	06/15/24 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	86		50 - 150				06/14/24 07:31	06/15/24 01:45	1
<i>n</i> -Triacontane-d62	96		50 - 150				06/14/24 07:31	06/15/24 01:45	1

Client Sample ID: W-10

Lab Sample ID: 590-25335-5

Date Collected: 06/11/24 13:40

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 79.2

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	240	B	8.6	3.1	mg/Kg	☼	06/18/24 11:44	06/18/24 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		41.5 - 162				06/18/24 11:44	06/18/24 18:47	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	8.6	J	12	5.2	mg/Kg	☼	06/14/24 07:31	06/15/24 02:07	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.2	mg/Kg	☼	06/14/24 07:31	06/15/24 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	95		50 - 150				06/14/24 07:31	06/15/24 02:07	1
<i>n</i> -Triacontane-d62	100		50 - 150				06/14/24 07:31	06/15/24 02:07	1

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Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: Bottom-10

Lab Sample ID: 590-25335-6

Date Collected: 06/11/24 12:55

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 60.0

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1300	B	13	4.7	mg/Kg	☼	06/18/24 11:44	06/18/24 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		41.5 - 162				06/18/24 11:44	06/18/24 19:09	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	64		16	6.8	mg/Kg	☼	06/14/24 07:31	06/15/24 02:29	1
Residual Range Organics (RRO) (C25-C36)	ND		40	8.1	mg/Kg	☼	06/14/24 07:31	06/15/24 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150				06/14/24 07:31	06/15/24 02:29	1
n-Triacontane-d62	95		50 - 150				06/14/24 07:31	06/15/24 02:29	1

Client Sample ID: Bottom-11

Lab Sample ID: 590-25335-7

Date Collected: 06/11/24 13:12

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 79.5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	580	B	8.2	2.9	mg/Kg	☼	06/18/24 11:44	06/18/24 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		41.5 - 162				06/18/24 11:44	06/18/24 19:30	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	6.9	J	13	5.2	mg/Kg	☼	06/14/24 07:31	06/15/24 02:51	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.3	mg/Kg	☼	06/14/24 07:31	06/15/24 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150				06/14/24 07:31	06/15/24 02:51	1
n-Triacontane-d62	91		50 - 150				06/14/24 07:31	06/15/24 02:51	1

Client Sample ID: N2-8

Lab Sample ID: 590-25335-8

Date Collected: 06/11/24 14:31

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 73.5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11	B	11	4.1	mg/Kg	☼	06/18/24 11:44	06/18/24 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		41.5 - 162				06/18/24 11:44	06/18/24 19:52	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		13	5.6	mg/Kg	☼	06/14/24 07:31	06/15/24 03:13	1

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Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: N2-8

Lab Sample ID: 590-25335-8

Date Collected: 06/11/24 14:31

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 73.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	18	J	33	6.7	mg/Kg	☼	06/14/24 07:31	06/15/24 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	84		50 - 150				06/14/24 07:31	06/15/24 03:13	1
<i>n</i> -Triacantane-d62	88		50 - 150				06/14/24 07:31	06/15/24 03:13	1

Client Sample ID: E2-8

Lab Sample ID: 590-25335-9

Date Collected: 06/11/24 14:46

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 76.9

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6.0	J B	9.0	3.2	mg/Kg	☼	06/18/24 11:44	06/18/24 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		41.5 - 162				06/18/24 11:44	06/18/24 20:13	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		13	5.3	mg/Kg	☼	06/14/24 07:31	06/15/24 03:35	1
Residual Range Organics (RRO) (C25-C36)	12	J	32	6.3	mg/Kg	☼	06/14/24 07:31	06/15/24 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	91		50 - 150				06/14/24 07:31	06/15/24 03:35	1
<i>n</i> -Triacantane-d62	96		50 - 150				06/14/24 07:31	06/15/24 03:35	1

Client Sample ID: S2-8

Lab Sample ID: 590-25335-10

Date Collected: 06/11/24 14:39

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 67.2

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7.4	J B	9.9	3.6	mg/Kg	☼	06/18/24 11:44	06/18/24 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		41.5 - 162				06/18/24 11:44	06/18/24 20:56	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		15	6.2	mg/Kg	☼	06/14/24 07:31	06/15/24 03:56	1
Residual Range Organics (RRO) (C25-C36)	ND		37	7.4	mg/Kg	☼	06/14/24 07:31	06/15/24 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	82		50 - 150				06/14/24 07:31	06/15/24 03:56	1
<i>n</i> -Triacantane-d62	89		50 - 150				06/14/24 07:31	06/15/24 03:56	1

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Client Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: W2-8

Lab Sample ID: 590-25335-11

Date Collected: 06/11/24 14:54

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 85.0

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5.4	J B	7.7	2.8	mg/Kg	☼	06/18/24 11:44	06/18/24 21:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		41.5 - 162				06/18/24 11:44	06/18/24 21:18	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		11	4.8	mg/Kg	☼	06/14/24 07:31	06/15/24 04:18	1
(C10-C25)									
Residual Range Organics (RRO)	20	J	28	5.7	mg/Kg	☼	06/14/24 07:31	06/15/24 04:18	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150				06/14/24 07:31	06/15/24 04:18	1
n-Triacontane-d62	87		50 - 150				06/14/24 07:31	06/15/24 04:18	1

Client Sample ID: Bottom2-8

Lab Sample ID: 590-25335-12

Date Collected: 06/11/24 15:02

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 80.3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5.4	J B	8.2	2.9	mg/Kg	☼	06/18/24 11:44	06/18/24 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		41.5 - 162				06/18/24 11:44	06/18/24 21:39	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		12	5.0	mg/Kg	☼	06/14/24 07:31	06/15/24 04:40	1
(C10-C25)									
Residual Range Organics (RRO)	25	J	30	6.0	mg/Kg	☼	06/14/24 07:31	06/15/24 04:40	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150				06/14/24 07:31	06/15/24 04:40	1
n-Triacontane-d62	92		50 - 150				06/14/24 07:31	06/15/24 04:40	1

Client Sample ID: PL4-2.5

Lab Sample ID: 590-25335-13

Date Collected: 06/11/24 16:03

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 83.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		29	29	mg/Kg	☼	06/17/24 07:28	06/17/24 12:06	1
Diesel Range Organics (DRO)	ND		59	59	mg/Kg	☼	06/17/24 07:28	06/17/24 12:06	1
(C10-C25)									
Residual Range Organics (RRO)	ND		120	120	mg/Kg	☼	06/17/24 07:28	06/17/24 12:06	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	98		50 - 150				06/17/24 07:28	06/17/24 12:06	1
n-Triacontane-d62	94		50 - 150				06/17/24 07:28	06/17/24 12:06	1

Eurofins Spokane

QC Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-47935/1-A

Matrix: Solid

Analysis Batch: 47939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2.66	J	5.0	1.8	mg/Kg		06/18/24 11:44	06/18/24 13:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		41.5 - 162				06/18/24 11:44	06/18/24 13:52	1

Lab Sample ID: LCS 590-47935/3-A

Matrix: Solid

Analysis Batch: 47967

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	50.0	59.1		mg/Kg		118	74.4 - 124
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	98		41.5 - 162				

Lab Sample ID: 590-25335-1 DU

Matrix: Solid

Analysis Batch: 47939

Client Sample ID: N-10

Prep Type: Total/NA

Prep Batch: 47935

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline	280	B	252		mg/Kg	✖	9	32.3
Surrogate	DU %Recovery	DU Qualifier	Limits					
4-Bromofluorobenzene (Surr)	103		41.5 - 162					

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-47878/1-A

Matrix: Solid

Analysis Batch: 47893

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		06/14/24 07:31	06/14/24 19:54	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		06/14/24 07:31	06/14/24 19:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				06/14/24 07:31	06/14/24 19:54	1
n-Triacontane-d62	88		50 - 150				06/14/24 07:31	06/14/24 19:54	1

Lab Sample ID: LCS 590-47878/2-A

Matrix: Solid

Analysis Batch: 47893

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	66.7		mg/Kg		100	50 - 150

Eurofins Spokane

QC Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-47878/2-A

Matrix: Solid

Analysis Batch: 47893

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Residual Range Organics (RRO) (C25-C36)	66.7	70.9		mg/Kg		106	50 - 150

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
o-Terphenyl	95		50 - 150
n-Triacontane-d62	96		50 - 150

Lab Sample ID: 590-25215-A-2-D DU

Matrix: Solid

Analysis Batch: 47893

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 47878

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	120		173		mg/Kg	⊛	34	40
Residual Range Organics (RRO) (C25-C36)	1000		1340		mg/Kg	⊛	28	40

	DU %Recovery	DU Qualifier	Limits
Surrogate			
o-Terphenyl	99		50 - 150
n-Triacontane-d62	201	S1+	50 - 150

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 590-47905/1-A

Matrix: Solid

Analysis Batch: 47910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47905

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25	25	mg/Kg		06/17/24 07:28	06/17/24 11:45	1
Diesel Range Organics (DRO) (C10-C25)	ND		50	50	mg/Kg		06/17/24 07:28	06/17/24 11:45	1
Residual Range Organics (RRO) (C25-C36)	ND		100	100	mg/Kg		06/17/24 07:28	06/17/24 11:45	1

	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Surrogate						
o-Terphenyl	99		50 - 150	06/17/24 07:28	06/17/24 11:45	1
n-Triacontane-d62	90		50 - 150	06/17/24 07:28	06/17/24 11:45	1

Lab Sample ID: 590-25335-13 DU

Matrix: Solid

Analysis Batch: 47910

Client Sample ID: PL4-2.5

Prep Type: Total/NA

Prep Batch: 47905

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		ND		mg/Kg	⊛	NC	25
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	⊛	NC	25
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	⊛	NC	25

Eurofins Spokane

QC Sample Results

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) (Continued)

Lab Sample ID: 590-25335-13 DU
Matrix: Solid
Analysis Batch: 47910

Client Sample ID: PL4-2.5
Prep Type: Total/NA
Prep Batch: 47905

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	96		50 - 150
<i>n</i> -Triacontane-d62	92		50 - 150

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: N-10

Date Collected: 06/11/24 13:18

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: N-10

Date Collected: 06/11/24 13:18

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-1

Matrix: Solid

Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.569 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 17:02	JSP	EET SPK
Total/NA	Prep	3550C			15.35 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 00:18	NMI	EET SPK

Client Sample ID: E-10

Date Collected: 06/11/24 13:31

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: E-10

Date Collected: 06/11/24 13:31

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-2

Matrix: Solid

Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.248 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	47967	06/19/24 14:07	JSP	EET SPK
Total/NA	Prep	3550C			15.89 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 00:39	NMI	EET SPK

Client Sample ID: S-10

Date Collected: 06/11/24 13:25

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: S-10

Date Collected: 06/11/24 13:25

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-3

Matrix: Solid

Percent Solids: 73.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.422 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	47967	06/19/24 14:28	JSP	EET SPK
Total/NA	Prep	3550C			15.37 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 01:01	NMI	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: W-2.5

Lab Sample ID: 590-25335-4

Date Collected: 06/11/24 13:51

Matrix: Solid

Date Received: 06/13/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: W-2.5

Lab Sample ID: 590-25335-4

Date Collected: 06/11/24 13:51

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.417 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	47967	06/19/24 14:51	JSP	EET SPK
Total/NA	Prep	3550C			15.24 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 01:45	NMI	EET SPK

Client Sample ID: W-10

Lab Sample ID: 590-25335-5

Date Collected: 06/11/24 13:40

Matrix: Solid

Date Received: 06/13/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: W-10

Lab Sample ID: 590-25335-5

Date Collected: 06/11/24 13:40

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.681 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 18:47	JSP	EET SPK
Total/NA	Prep	3550C			15.18 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 02:07	NMI	EET SPK

Client Sample ID: Bottom-10

Lab Sample ID: 590-25335-6

Date Collected: 06/11/24 12:55

Matrix: Solid

Date Received: 06/13/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: Bottom-10

Lab Sample ID: 590-25335-6

Date Collected: 06/11/24 12:55

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 60.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.675 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 19:09	JSP	EET SPK
Total/NA	Prep	3550C			15.51 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 02:29	NMI	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: Bottom-11

Lab Sample ID: 590-25335-7

Date Collected: 06/11/24 13:12

Matrix: Solid

Date Received: 06/13/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: Bottom-11

Lab Sample ID: 590-25335-7

Date Collected: 06/11/24 13:12

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.127 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 19:30	JSP	EET SPK
Total/NA	Prep	3550C			15.07 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 02:51	NMI	EET SPK

Client Sample ID: N2-8

Lab Sample ID: 590-25335-8

Date Collected: 06/11/24 14:31

Matrix: Solid

Date Received: 06/13/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: N2-8

Lab Sample ID: 590-25335-8

Date Collected: 06/11/24 14:31

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 73.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.164 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 19:52	JSP	EET SPK
Total/NA	Prep	3550C			15.27 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 03:13	NMI	EET SPK

Client Sample ID: E2-8

Lab Sample ID: 590-25335-9

Date Collected: 06/11/24 14:46

Matrix: Solid

Date Received: 06/13/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: E2-8

Lab Sample ID: 590-25335-9

Date Collected: 06/11/24 14:46

Matrix: Solid

Date Received: 06/13/24 10:00

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.653 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 20:13	JSP	EET SPK
Total/NA	Prep	3550C			15.44 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 03:35	NMI	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: S2-8

Date Collected: 06/11/24 14:39

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: S2-8

Date Collected: 06/11/24 14:39

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-10

Matrix: Solid

Percent Solids: 67.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.992 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 20:56	JSP	EET SPK
Total/NA	Prep	3550C			15.08 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 03:56	NMI	EET SPK

Client Sample ID: W2-8

Date Collected: 06/11/24 14:54

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: W2-8

Date Collected: 06/11/24 14:54

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-11

Matrix: Solid

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.633 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 21:18	JSP	EET SPK
Total/NA	Prep	3550C			15.51 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 04:18	NMI	EET SPK

Client Sample ID: Bottom2-8

Date Collected: 06/11/24 15:02

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: Bottom2-8

Date Collected: 06/11/24 15:02

Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-12

Matrix: Solid

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.951 g	10 mL	47935	06/18/24 11:44	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47939	06/18/24 21:39	JSP	EET SPK
Total/NA	Prep	3550C			15.51 g	5 mL	47878	06/14/24 07:31	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47893	06/15/24 04:40	NMI	EET SPK

Eurofins Spokane

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Client Sample ID: PL4-2.5
Date Collected: 06/11/24 16:03
Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47879	06/14/24 08:53	MRV	EET SPK

Client Sample ID: PL4-2.5
Date Collected: 06/11/24 16:03
Date Received: 06/13/24 10:00

Lab Sample ID: 590-25335-13
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.18 g	20 mL	47905	06/17/24 07:28	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	47910	06/17/24 12:06	NMI	EET SPK

Laboratory References:
EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-08-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Martin S Burck Associates
Project/Site: Stelzer-The Dalles

Job ID: 590-25335-1

Method	Method Description	Protocol	Laboratory
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
NWTPH-HCID	Northwest - Hydrocarbon Identification (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
NWTPH-HCID	Solvent Extraction	NWTPH	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Spokane, WA 99208-5302
phone 509.924.9200 fax 509.924.9280

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: Oregon DEQ

Eurofins Environment Testing America

Client Contact Martin S. Burck Associates 200 N Wasco Ct Hood River, OR 97031 Phone 541.387.4422 Fax: 541.387.4813		Project Manager: Josh Owen Email: jowen@eurofinsenvironmental.com Tel/Fax: 541.387.4422		Regulatory Program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> Other: Oregon DEQ		Eurofins Environment Testing America	
Analysis Turnaround Time <input type="checkbox"/> Calendar Days <input type="checkbox"/> Working Days TAT if different from below Rush <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: <u>Josh Owen</u> Date: <u>6/12/24</u> Lab Contact: <u>Rush</u> Carrier: <u>Fed Ex</u>		COC No: <u>2</u> of <u>2</u> COCs		TALS Project #:	
Project Name: <u>Stelzer - The Dalles</u> PO# <u>Stelzer - TD</u>		Sample Identification		Sampler:		For Lab Use Only: Walk-In Client: Lab Sampling:	
Sample Date		Sample Time		Sample Type (G-Grab, O-Cont, G-Grab)		Job / SDG No.:	
Sample Matrix		Sample Cont.		Sample Specific Notes:			
N-10		6/11/24 1318		Grab S		3	
E-10		6/11/24 1331		Grab S		3	
S-10		6/11/24 1325		Grab S		3	
W-2.5		6/11/24 1351		Grab S		3	
W-10		6/11/24 1340		Grab S		3	
Bottom-10		6/11/24 1255		Grab S		3	
Bottom-11		6/11/24 1312		Grab S		3	
N2-8		6/11/24 1431		Grab S		3	
E2-8		6/11/24 1446		Grab S		3	
S2-8		6/11/24 1439		Grab S		3	
W2-8		6/11/24 1454		Grab S		3	
Bottom 2-8		6/11/24 1502		Grab S		3	
Preservation Used: <u>Yes</u>		Hazardous Waste? <u>Yes</u>		Please List any EPA Waste Codes for the sample in the Comments Section. If the lab is to dispose of the sample.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Special Instructions/QC Requirements & Comments: <u>Rush analysis. Turn around time will be emailed to lab Project Manager.</u>		Non-Hazardous <input type="checkbox"/> Leachable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>		Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for: _____ Months		Barcode: 590-25335 Chain of Custody	
Custody Seal Intact. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temp. (C): Obs'd: <u>5.6</u> Corrt: <u>5.6</u> Therm ID No.: <u>P005</u>		Date/Time:	
Relinquished by: <u>Don L. W.</u>		Company: <u>MSBA</u>		Received by:		Date/Time:	
Relinquished by:		Company:		Received by:		Date/Time:	
Relinquished by:		Company:		Received in Laboratory by:		Date/Time: <u>6/13/24 10:00</u>	

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-25335-1

Login Number: 25335

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Initial (20-Day) Report



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

Initial (Twenty Day) Report Form for UST Cleanup Projects

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

DEQ LUST File No. 33-24-0417

DEQ Facility ID No.

Site Name: 315 Federal Street

Site Address: 315 Federal Street, The Dalles, OR 97058

INITIAL CLEANUP INFORMATION

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

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

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

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

SITE INFORMATION (check ☒ yes or ☒ no)

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

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

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

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

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

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

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

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

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

IF GROUNDWATER HAS BEEN ENCOUNTERED, PLEASE ANSWER QUESTIONS #8-13, BELOW.

IF NO WATER HAS BEEN ENCOUNTERED, PLEASE SKIP TO QUESTION #14

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

☐ non-use ☐ industrial ☐ agricultural ☐ drinking supply

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

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

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

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

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

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

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

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

☐ bottled water is the only alternative

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

☐ able to connect to existing water supply

☐ do not know what alternatives would be available

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

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

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

☐ 1-2 people ☐ 3-10 people ☐ >10 people

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

If yes, please explain: _____

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

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

AREA/SITE CONDITIONS:

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

SOIL MANAGEMENT

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

N/A

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

- (19) If contaminated soil is currently stockpiled on-site, please indicate when disposal will occur or when treatment will begin: N/A

- (20) Estimated volume of contaminated soil (specify tons or cubic yards): 41.82 Tons

- (21) Intended disposition of soils (please • select only one):

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

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

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

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

- 1) Soil aeration, bioremediation (on-site or off-site), or on-site thermal treatment.
- 2) Water discharges to a stream/storm drain from the excavation or treatment tank.

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

This report was prepared by:

Individual: Jonathan White Date: 7/1/24
Company: Martin S. Burck Associates Phone: 541.387.4422
Address: 200 N Wasco Ct
City: Hood River State: OR Zip: 97031

1. Return this form to the regional office in which the site is located or by emailing info.lust@deq.oregon.gov.
2. For all tanks, **except heating oil tanks**, you must submit an [UST Decommissioning Checklist and Site Assessment Report](#) to the appropriate regional office **within 30 days** of the UST decommissioning. Failure to do so can result in delays to your project and may result in continued billing for the annual tank permit fees.
3. Copies of the LUST Cleanup Manual and other guidance can be viewed and downloaded from the [Leaking Underground Storage Tank Cleanup Guidance](#) web page.
4. For Program assistance Contact the [DEQ regional office](#).

Translation or other formats

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800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

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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

August 22, 2024

Zeke Stelzer
Stelzer Enterprises LLC
315 Federal St
The Dalles, OR 97058

RE: UST Decommissioning Status
315 Federal St, The Dalles
DEQ UST Facility ID No. 12757

Dear Zeke Stelzer:

The Department of Environmental Quality (DEQ) has received and reviewed underground storage tank (UST) documents for closure of two decommissioned USTs at facility #12757, located at 315 Federal St, in The Dalles. 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 31, 2024. DEQ file and database records show tank permits BJBBJ and BJBCK 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