State of Oregon Department of Environmental Quality

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST AND SITE ASSESSMENT REPORT

A. FACILITY INFORMATION:

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

DEQ FACILITY NUMBER: 10613

FACILITY NAME: Bob Brown Tire Center

FACILITY ADDRESS: 12110 NE Sandy Blvd, Portland, OR

PERMITTEE PHONE: (503) 849-1888 DATE: 3/8/2024

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 Assoc., Inc.

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: _____

C. DATES:

Decommissioning/Change-in-Service Notice - Date Submitted: 1/5/2024 (30 days before work starts).

Work Start Telephone Notice - Number issued by DEQ: 26-3D-24-005 (3 working days before work starts).

DEQ Person Notified: Mark Drouin

Date Work Started: 2/12/2024 Date Work Completed: 2/16/2024

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

Date Contamination Reported: 2/15/2024 By: Josh Owen

DEQ Person Notified: OLPRR

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

DEQ Water Discharge Permit #: _____ Date: _____

Water Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

Soil Disposal or Treatment Location: Wasco County Landfill

E. TANK INFORMATION:

			PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER?		**CLOSURE OR CHANGE-IN- SERVICE?**			**TANK TO BE REPLACED?**	
TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRESENT	NEW	TANK REMOVAL	CLOSURE IN PLACE ♦	CHANGE IN SERVICE ♦	YES	NO
1	BAJHF	10,000	Biodiesel		☑	☐	☐	☐	☑
2	BAJHG	10,000	Gasoline		☑	☐	☐	☐	☑
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐

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

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

F. DISPOSAL INFORMATION:

	TANK AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
TANK ID #	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS	SLUDGES
1	☑	☐	☐	Rivergate Scrap Metals	ORRCO 4150 N Suttle Rd	ORRCO
2	☑	☐	☐	Rivergate Scrap Metals	ORRCO 4150 N Suttle Rd	ORRCO
	☐	☐	☐	(9645 N Columbia Blvd)		
	☐	☐	☐			
	☐	☐	☐			

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

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

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

G. CONTAMINATION INFORMATION:

TANK ID #	GROUND WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY (NAME, CITY, STATE, PHONE)
1	☐	☑	☐	3	Eurofins Test America, Spokane, OR (509) 924-9200
2	☐	☑	☐	3	Eurofins Test America, Spokane, OR (509) 924-9200
	☐	☐	☐		Pace Analytical, Mount Juliet, TN 1-800 767-5859
	☐	☐	☐		*Note: PHC odor and staining was present beneath product
	☐	☐	☐		lines and at the former dispensers.

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

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

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

I. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher:	Type/Size:	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?	✓			
2. Safety equipment on job site?	✓			
3. Overhead electrical lines located?	✓			
4. Subsurface electrical lines off or disconnected?	✓			
5. Natural gas lines off or disconnected?				✓
6. No open fires or smoking material in area?	✓			
7. Vehicle and pedestrian traffic controlled?	✓			
8. Excavation material area cleared?	✓			
9. Rainwater runoff directed to treatment area?	✓			
10. Drained and collected product from lines?	✓			
11. Removed product and residual from tank?	✓			
12. Cleaned tank?	✓			
13. Excavated to top of tank?	✓			
14. Removed tank fixtures? (pumps, leak detection equipment)	✓			
15. Removed product, fill and vent lines?	✓			

K. TANK ABANDONMENT IN-PLACE:

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

L. TANK REMOVAL:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
19. Tank placement area cleared, chocks placed?	✓			
20. Purged or ventilated tank to prevent explosion? Method used: Dry ice Meter reading: 1.4 to 8% O2	✓			
21. Were chains or steel cables wrapped around tank for removal?		✓		
22. Tank removed, set on ground, blocked to prevent movement?	✓			
23. Tank set on truck and secured with straps(s)?	✓			
24. Tank labeled before leaving site?	✓			

M. SITE ASSESSMENT:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
25. Site assessed for contamination? See OAR 340-122-0340	✓			
26. Soil samples taken and analyzed?	✓			
27. Was contamination found? Date/Time: 2/14/2024	✓			
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?				✓

N. REQUIRED SIGNATURES:

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

Permittee or Tank Owner: _____
(*Please Print*)

Permittee or Tank Owner: _____ Date: _____
(*Signature*)

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

Licensed Supervisor: Jonathan White
(*Please Print*)

Licensed Supervisor: Jon White Date: 3/8/24
(*Signature*)

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

Executive Officer: Martin S. Burck
Licensed Service Provider (*Please Print*)

Executive Officer: Martin S Burck Date: 3/8/24
Licensed Service Provider (*Signature*)

O. REPORT FILING:

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

P. HELP WITH THIS REPORT:

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

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

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

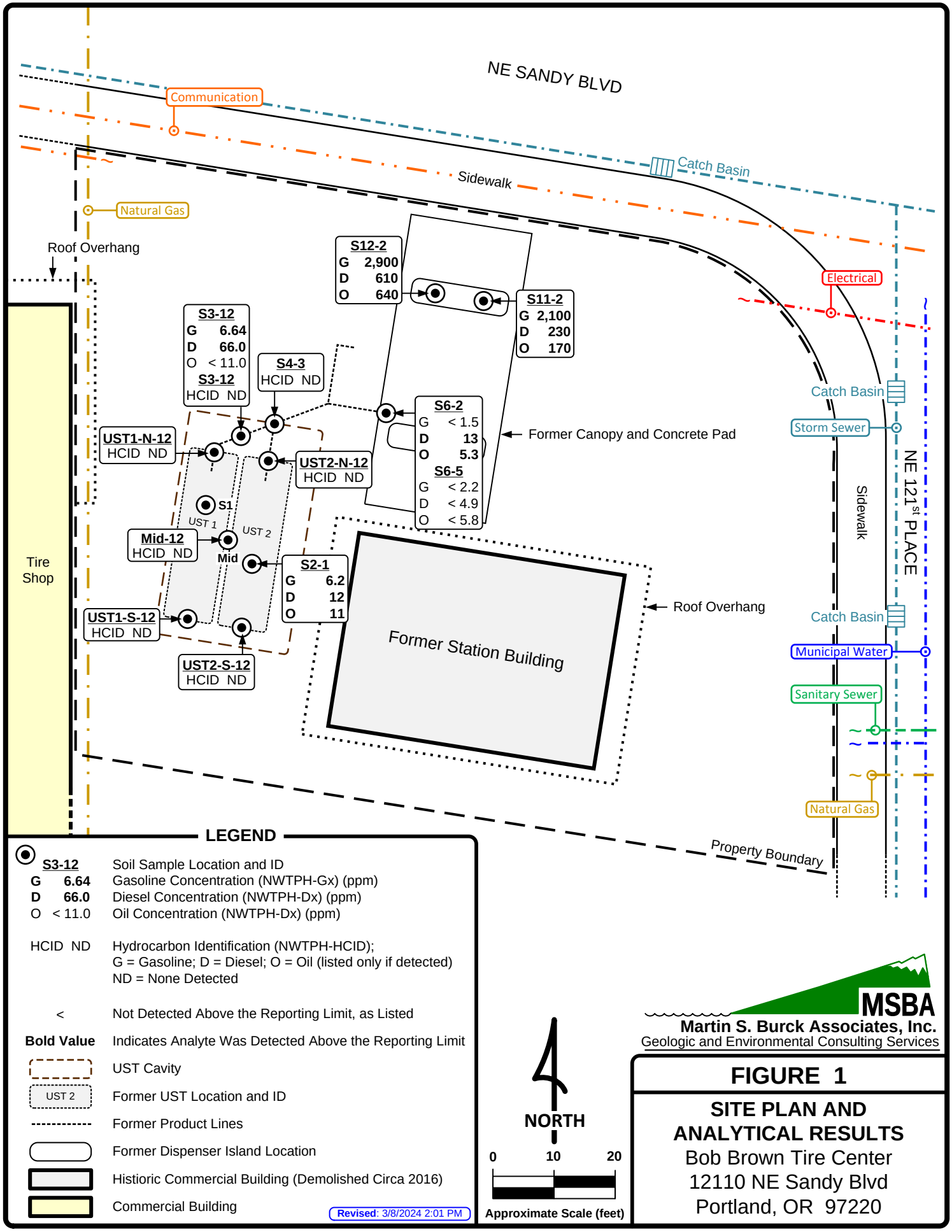
1. Any of the DEQ offices listed below,
2. By calling the UST HELPLINE at 1-800-742-7878,
3. Send an e-mail to tanks.info@deq.oregon.gov or
4. Downloading from the UST home page at:

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

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

Figure

Figure 1 Site Plan and Analytical Results



LEGEND

S3-12	Soil Sample Location and ID
G 6.64	Gasoline Concentration (NWTPH-Gx) (ppm)
D 66.0	Diesel Concentration (NWTPH-Dx) (ppm)
O < 11.0	Oil Concentration (NWTPH-Dx) (ppm)
HCID ND	Hydrocarbon Identification (NWTPH-HCID); G = Gasoline; D = Diesel; O = Oil (listed only if detected) ND = None Detected
<	Not Detected Above the Reporting Limit, as Listed
Bold Value	Indicates Analyte Was Detected Above the Reporting Limit
	UST Cavity
UST 2	Former UST Location and ID
	Former Product Lines
	Former Dispenser Island Location
	Histioric Commercial Building (Demolished Circa 2016)
	Commercial Building

Revised: 3/8/2024 2:01 PM

NORTH

0 10 20

Approximate Scale (feet)

MSBA

Martin S. Burck Associates, Inc.

Geologic and Environmental Consulting Services

FIGURE 1

SITE PLAN AND ANALYTICAL RESULTS

Bob Brown Tire Center

12110 NE Sandy Blvd

Portland, OR 97220

S:\Project Files\HOTs & Misc\Bob Brown Tire-Portland\Figures\F 1 Site Plan & Analytical.vsd

Disposal Receipt

A Division of Pacific Northern Environmental LLC
1121 Columbia Blvd. Longview, Wa 98632
Main 360-423-2245 / Fax 360-423-2272 / Toll Free 800-533-2867
www.pneco.com

Invoice 1363040

Bill to:	Job: 8924023
Martin S Burck & Assoc Inc 200 N Wasco Court Hood River, OR 97031	MAR Vac Triple Rinse UST 12110 NE Sandy Blvd Portland, OR 97220

Invoice #: 1363040 Date: 02/23/24	
Payment Terms: Net 30 Customer Code: 13416	Salesperson:

Remarks: TIME & MATERIAL BILLING NUMBER: 001

Quantity	Description	U/M	Unit Price	Extension
	Labor			451.00
	Equipment Owned			451.00
	Other			554.32
			Subtotal:	**1,456.32**
			Total:	**1,456.32**

2/13/24
Vacuum & Triple Rinse/ Dispose
Portland, OR

Cowlitz Clean Sweep
1121 Columbia Blvd

Longview, WA 98632

Time + Materials Billing

Bill to: Martin S Burck & Assoc Inc
200 N Wasco Court
Hood River, OR 97031

Job: MAR Vac Triple Rinse UST
12110 NE Sandy Blvd
Portland, OR 97220

Contract#:
Our Job Number: 8924023

Bill#: 001
Page: 1
Invoice date: 2/15/24
Thru date: 2/15/24

G/L date	Tran	Description	P.O.#	Rate	Hours/Qty	Extension	Markup	Total
Phase: 00 Job Cost / Cost Type: 1 Labor								
	IC	Operator - ST		82.000	5.50	451.00		451.00
			Subtotal for Cost Type: 1 Labor		**5.50**	**451.00**	**0.00**	**451.00**
Phase: 00 Job Cost / Cost Type: 4 Equipment Owned								
	IC	80 BBL Liquid Vac Truck		82.000	5.50	451.00		451.00
			Subtotal for Cost Type: 4 Equipment Owned		**5.50**	**451.00**	**0.00**	**451.00**
Phase: 00 Job Cost / Cost Type: 6 Other								
	IC	Fuel Surcharge		0.120	451.00	54.12		54.12
	IC	Latex Exam Gloves		1.000	1.00	1.00		1.00
	IC	Disposal Oil/Water		0.900	388.00	349.20		349.20
	IC	Disposal Oil/Solids, Sludge		2.400	20.00	48.00		48.00
	IC	Disposal-Truck Washout		66.000	1.00	66.00		66.00
	IC	Disposal-XRF Analysis Testing		36.000	1.00	36.00		36.00
			Subtotal for Cost Type: 6 Other		**862.00**	**554.32**	**0.00**	**554.32**
			Subtotal for Phase: 00 Job Cost		**873.00**	**1,456.32**	**0.00**	**1,456.32**

Subtotal: **1,456.32**

Notes for billing # **001**

2/13/24
Vacuum & Triple Rinse/ Dispose
Portland, OR

Total: **1,456.32**

Invoice Total: **1,456.32**
Retention @ **0.00**
Current due: **1,456.32**

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CEG	1	888-423-6316	8923023

5. Generator's Name and Mailing Address: Willis Gill, 12110 NE Sandy Blvd, Portland, OR 97220 USA
Generator's Phone: 503 8491888

Generator's Site Address (if different than mailing address): 12110 NE Sandy Blvd. Portland, Or 97220 USA

6. Transporter 1 Company Name: CCS A DIVISION OF PNE CORP. — U.S. EPA ID Number: WAH000014944

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: ORRCO INC.
4150 N. SUTTLE ROAD - PORTLAND, OR 97217 USA — U.S. EPA ID Number: ORD980976892
Facility's Phone: 888-367-8894

HM	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. UN 1203 Flammable Liquid, Gasoline/Water, 3, PG II	01	TT	408	G	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
RECEIVING RECORD#: Paperwork attached
CCS JOB#: 8924023
TRUCK#: 307

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Josh Owen for Willis Gill — Signature — Month: 02 Day: 13 Year: 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Scott Griffith — Signature — Month: 02 Day: 13 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: Shannon Cox — Signature — Month: 2 Day: 13 Year: 24

Laboratory Reports

Sample Date 2/12-15/24 (Eurofins #J23316-1)
Sample Date 2/13/24 (Pace #L1706404)

eurofins | Environment Testing

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

Bob Brown Tire - Portland

JOB NUMBER

590-23316-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

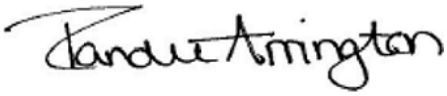
my EOL

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

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Job Narrative
590-23316-1

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 2/20/2024 9:30 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 4.7°C.

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

GC Semi VOA
Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline and oil range overlap.

S11-2 (590-23316-12) and S12-2 (590-23316-13)

Method NWTPH_Dx: Detected hydrocarbons appear to be due to heavily weathered diesel and/or a light weight oil.

S6-2 (590-23316-6)

Method NWTPH_HCID: RTC ran at the beginning of the day, but with the DX/AK batch, therefore it isn't showing up with the HCID batch. Samples were linked to the RTC standard.

(ICRT 590-45985/3)

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.

Sample Summary

Client: Martin S Burck Associates
Project/Site: Bob Brown Tire - Portland

Job ID: 590-23316-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-23316-2	S2-1	Solid	02/12/24 14:07	02/20/24 09:30
590-23316-3	S3-12	Solid	02/14/24 14:28	02/20/24 09:30
590-23316-4	S4-3	Solid	02/14/24 11:14	02/20/24 09:30
590-23316-6	S6-2	Solid	02/15/24 11:07	02/20/24 09:30
590-23316-7	S6-5	Solid	02/15/24 13:22	02/20/24 09:30
590-23316-12	S11-2	Solid	02/15/24 14:43	02/20/24 09:30
590-23316-13	S12-2	Solid	02/15/24 15:18	02/20/24 09:30
590-23316-14	UST1-N-12	Solid	02/14/24 14:37	02/20/24 09:30
590-23316-15	UST1-S-12	Solid	02/14/24 14:53	02/20/24 09:30
590-23316-16	UST2-N-12	Solid	02/14/24 14:45	02/20/24 09:30
590-23316-17	UST2-S-12	Solid	02/14/24 15:01	02/20/24 09:30
590-23316-18	Mid-12	Solid	02/14/24 15:09	02/20/24 09:30

Definitions/Glossary

Client: Martin S Burck Associates
Project/Site: Bob Brown Tire - Portland

Job ID: 590-23316-1

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
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: Martin S Burck Associates
Project/Site: Bob Brown Tire - Portland

Job ID: 590-23316-1

Client Sample ID: S2-1

Lab Sample ID: 590-23316-2
Date Collected: 02/12/24 14:07
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6.2	J	7.2	2.6	mg/Kg	☼	02/23/24 12:34	02/24/24 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*41.5 - 162*	*02/23/24 12:34*	*02/24/24 00:41*	*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)	12		11	4.6	mg/Kg	☼	02/23/24 07:46	02/23/24 13:43	1
Residual Range Organics (RRO) (C25-C36)	11	J	28	5.5	mg/Kg	☼	02/23/24 07:46	02/23/24 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*02/23/24 07:46*	*02/23/24 13:43*	*1*
n-Triacontane-d62	*113*		*50 - 150*	*02/23/24 07:46*	*02/23/24 13:43*	*1*

Client Sample ID: S3-12

Lab Sample ID: 590-23316-3
Date Collected: 02/14/24 14:28
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		28	28	mg/Kg	☼	02/23/24 12:37	02/23/24 21:12	1
Diesel Range Organics (DRO) (C10-C25)	ND		57	57	mg/Kg	☼	02/23/24 12:37	02/23/24 21:12	1
Residual Range Organics (RRO) (C25-C36)	ND		110	110	mg/Kg	☼	02/23/24 12:37	02/23/24 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*02/23/24 12:37*	*02/23/24 21:12*	*1*
n-Triacontane-d62	*110*		*50 - 150*	*02/23/24 12:37*	*02/23/24 21:12*	*1*

Client Sample ID: S4-3

Lab Sample ID: 590-23316-4
Date Collected: 02/14/24 11:14
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		28	28	mg/Kg	☼	02/23/24 12:37	02/23/24 21:54	1
Diesel Range Organics (DRO) (C10-C25)	ND		56	56	mg/Kg	☼	02/23/24 12:37	02/23/24 21:54	1
Residual Range Organics (RRO) (C25-C36)	ND		110	110	mg/Kg	☼	02/23/24 12:37	02/23/24 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*02/23/24 12:37*	*02/23/24 21:54*	*1*
n-Triacontane-d62	*109*		*50 - 150*	*02/23/24 12:37*	*02/23/24 21:54*	*1*

Client Sample ID: S6-2

Lab Sample ID: 590-23316-6
Date Collected: 02/15/24 11:07
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.3	1.5	mg/Kg	☼	02/23/24 12:34	02/24/24 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*41.5 - 162*	*02/23/24 12:34*	*02/24/24 01:02*	*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)	**13**		11	4.5	mg/Kg	☼	02/23/24 07:46	02/23/24 15:06	1
Residual Range Organics (RRO) (C25-C36)	**5.3**	**J**	27	5.3	mg/Kg	☼	02/23/24 07:46	02/23/24 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*02/23/24 07:46*	*02/23/24 15:06*	*1*
n-Triacontane-d62	*115*		*50 - 150*	*02/23/24 07:46*	*02/23/24 15:06*	*1*

Client Sample ID: S6-5

Lab Sample ID: 590-23316-7
Date Collected: 02/15/24 13:22
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.0	2.2	mg/Kg	☼	02/23/24 12:34	02/24/24 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*41.5 - 162*	*02/23/24 12:34*	*02/24/24 01:23*	*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		12	4.9	mg/Kg	☼	02/23/24 07:46	02/23/24 15:28	1
Residual Range Organics (RRO) (C25-C36)	ND		29	5.8	mg/Kg	☼	02/23/24 07:46	02/23/24 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*02/23/24 07:46*	*02/23/24 15:28*	*1*
n-Triacontane-d62	*110*		*50 - 150*	*02/23/24 07:46*	*02/23/24 15:28*	*1*

Client Sample ID: S11-2

Lab Sample ID: 590-23316-12
Date Collected: 02/15/24 14:43
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**2100**		68	25	mg/Kg	☼	02/23/24 12:34	02/24/24 02:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*41.5 - 162*	*02/23/24 12:34*	*02/24/24 02:25*	*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)	**230**		12	5.2	mg/Kg	☼	02/23/24 07:46	02/23/24 15:49	1

Client Sample ID: S11-2
Lab Sample ID: 590-23316-12
Date Collected: 02/15/24 14:43
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 78.4

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)	170		31	6.2	mg/Kg	☼	02/23/24 07:46	02/23/24 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*50 - 150*	*02/23/24 07:46*	*02/23/24 15:49*	*1*
n-Triacontane-d62	*111*		*50 - 150*	*02/23/24 07:46*	*02/23/24 15:49*	*1*

Client Sample ID: S12-2
Lab Sample ID: 590-23316-13
Date Collected: 02/15/24 15:18
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2900		59	21	mg/Kg	☼	02/23/24 12:34	02/24/24 03:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*41.5 - 162*	*02/23/24 12:34*	*02/24/24 03:07*	*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)	610		12	5.0	mg/Kg	☼	02/23/24 07:46	02/23/24 16:10	1
Residual Range Organics (RRO) (C25-C36)	640		30	6.0	mg/Kg	☼	02/23/24 07:46	02/23/24 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*50 - 150*	*02/23/24 07:46*	*02/23/24 16:10*	*1*
n-Triacontane-d62	*117*		*50 - 150*	*02/23/24 07:46*	*02/23/24 16:10*	*1*

Client Sample ID: UST1-N-12
Lab Sample ID: 590-23316-14
Date Collected: 02/14/24 14:37
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 80.5

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	☼	02/23/24 12:37	02/23/24 22:16	1
Diesel Range Organics (DRO) (C10-C25)	ND		59	59	mg/Kg	☼	02/23/24 12:37	02/23/24 22:16	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/23/24 12:37	02/23/24 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*02/23/24 12:37*	*02/23/24 22:16*	*1*
n-Triacontane-d62	*107*		*50 - 150*	*02/23/24 12:37*	*02/23/24 22:16*	*1*

Client Sample ID: UST1-S-12
Lab Sample ID: 590-23316-15
Date Collected: 02/14/24 14:53
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		27	27	mg/Kg	☼	02/23/24 12:37	02/23/24 22:37	1
Diesel Range Organics (DRO) (C10-C25)	ND		55	55	mg/Kg	☼	02/23/24 12:37	02/23/24 22:37	1

Client Sample ID: UST1-S-12

Lab Sample ID: 590-23316-15
Date Collected: 02/14/24 14:53
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	ND		110	110	mg/Kg	☼	02/23/24 12:37	02/23/24 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*02/23/24 12:37*	*02/23/24 22:37*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*02/23/24 12:37*	*02/23/24 22:37*	*1*

Client Sample ID: UST2-N-12

Lab Sample ID: 590-23316-16
Date Collected: 02/14/24 14:45
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		29	29	mg/Kg	☼	02/23/24 12:37	02/23/24 22:59	1
Diesel Range Organics (DRO) (C10-C25)	ND		58	58	mg/Kg	☼	02/23/24 12:37	02/23/24 22:59	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/23/24 12:37	02/23/24 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*02/23/24 12:37*	*02/23/24 22:59*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*02/23/24 12:37*	*02/23/24 22:59*	*1*

Client Sample ID: UST2-S-12

Lab Sample ID: 590-23316-17
Date Collected: 02/14/24 15:01
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 81.7

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	☼	02/23/24 12:37	02/23/24 23:20	1
Diesel Range Organics (DRO) (C10-C25)	ND		59	59	mg/Kg	☼	02/23/24 12:37	02/23/24 23:20	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/23/24 12:37	02/23/24 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*02/23/24 12:37*	*02/23/24 23:20*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*02/23/24 12:37*	*02/23/24 23:20*	*1*

Client Sample ID: Mid-12

Lab Sample ID: 590-23316-18
Date Collected: 02/14/24 15:09
Matrix: Solid
Date Received: 02/20/24 09:30
Percent Solids: 75.2

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	☼	02/23/24 12:37	02/23/24 23:42	1
Diesel Range Organics (DRO) (C10-C25)	ND		61	61	mg/Kg	☼	02/23/24 12:37	02/23/24 23:42	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/23/24 12:37	02/23/24 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*02/23/24 12:37*	*02/23/24 23:42*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*02/23/24 12:37*	*02/23/24 23:42*	*1*

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

Lab Sample ID: MB 590-45976/1-A
Matrix: Solid
Analysis Batch: 45971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		02/23/24 12:34	02/23/24 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*41.5 - 162*	*02/23/24 12:34*	*02/23/24 18:48*	*1*

Lab Sample ID: LCS 590-45976/3-A
Matrix: Solid
Analysis Batch: 45971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45976

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			50.0	52.9		mg/Kg		106	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*

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

Lab Sample ID: MB 590-45958/1-A
Matrix: Solid
Analysis Batch: 45969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45958

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		02/23/24 07:46	02/23/24 12:17	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/23/24 07:46	02/23/24 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*02/23/24 07:46*	*02/23/24 12:17*	*1*
n-Triacontane-d62	*106*		*50 - 150*	*02/23/24 07:46*	*02/23/24 12:17*	*1*

Lab Sample ID: LCS 590-45958/2-A
Matrix: Solid
Analysis Batch: 45969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45958

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	66.0		mg/Kg		99	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	65.8		mg/Kg		99	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*98*		*50 - 150*
n-Triacontane-d62	*115*		*50 - 150*

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

Lab Sample ID: 590-23316-2 DU
Matrix: Solid
Analysis Batch: 45969

Client Sample ID: S2-1
Prep Type: Total/NA
Prep Batch: 45958

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	12			9.64	J	mg/Kg	☼			22	40
Residual Range Organics (RRO) (C25-C36)	11	J		8.99	J	mg/Kg	☼			21	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*98*		*50 - 150*
n-Triacontane-d62	*114*		*50 - 150*

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

Lab Sample ID: MB 590-45977/1-A
Matrix: Solid
Analysis Batch: 45985

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45977

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25	25	mg/Kg		02/23/24 12:37	02/23/24 20:50	1
Diesel Range Organics (DRO) (C10-C25)	ND		50	50	mg/Kg		02/23/24 12:37	02/23/24 20:50	1
Residual Range Organics (RRO) (C25-C36)	ND		100	100	mg/Kg		02/23/24 12:37	02/23/24 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*02/23/24 12:37*	*02/23/24 20:50*	*1*
n-Triacontane-d62	*111*		*50 - 150*	*02/23/24 12:37*	*02/23/24 20:50*	*1*

Lab Sample ID: 590-23316-3 DU
Matrix: Solid
Analysis Batch: 45985

Client Sample ID: S3-12
Prep Type: Total/NA
Prep Batch: 45977

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

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*99*		*50 - 150*
n-Triacontane-d62	*109*		*50 - 150*

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Bob Brown Tire - Portland

Job ID: 590-23316-1

Client Sample ID: S2-1
Date Collected: 02/12/24 14:07
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-2
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: S2-1
Date Collected: 02/12/24 14:07
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-2
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.389 g	10 mL	45976	02/23/24 12:34	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	45971	02/24/24 00:41	JSP	EET SPK
Total/NA	Prep	3550C			15.18 g	5 mL	45958	02/23/24 07:46	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	45969	02/23/24 13:43	NMI	EET SPK

Client Sample ID: S3-12
Date Collected: 02/14/24 14:28
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-3
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: S3-12
Date Collected: 02/14/24 14:28
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-3
Matrix: Solid
Percent Solids: 83.0

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			10.64 g	20 mL	45977	02/23/24 12:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	45985	02/23/24 21:12	NMI	EET SPK

Client Sample ID: S4-3
Date Collected: 02/14/24 11:14
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-4
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: S4-3
Date Collected: 02/14/24 11:14
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-4
Matrix: Solid
Percent Solids: 88.6

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			10.05 g	20 mL	45977	02/23/24 12:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	45985	02/23/24 21:54	NMI	EET SPK

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Bob Brown Tire - Portland

Job ID: 590-23316-1

Client Sample ID: S6-2
Date Collected: 02/15/24 11:07
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-6
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: S6-2
Date Collected: 02/15/24 11:07
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-6
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			15.299 g	10 mL	45976	02/23/24 12:34	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	45971	02/24/24 01:02	JSP	EET SPK
Total/NA	Prep	3550C			15.72 g	5 mL	45958	02/23/24 07:46	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	45969	02/23/24 15:06	NMI	EET SPK

Client Sample ID: S6-5
Date Collected: 02/15/24 13:22
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-7
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: S6-5
Date Collected: 02/15/24 13:22
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-7
Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.513 g	10 mL	45976	02/23/24 12:34	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	45971	02/24/24 01:23	JSP	EET SPK
Total/NA	Prep	3550C			15.28 g	5 mL	45958	02/23/24 07:46	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	45969	02/23/24 15:28	NMI	EET SPK

Client Sample ID: S11-2
Date Collected: 02/15/24 14:43
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-12
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: S11-2
Date Collected: 02/15/24 14:43
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-12
Matrix: Solid
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.694 g	10 mL	45976	02/23/24 12:34	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	45971	02/24/24 02:25	JSP	EET SPK
Total/NA	Prep	3550C			15.48 g	5 mL	45958	02/23/24 07:46	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	45969	02/23/24 15:49	NMI	EET SPK

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Bob Brown Tire - Portland

Job ID: 590-23316-1

Client Sample ID: S12-2
Date Collected: 02/15/24 15:18
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-13
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: S12-2
Date Collected: 02/15/24 15:18
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-13
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12.908 g	10 mL	45976	02/23/24 12:34	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	45971	02/24/24 03:07	JSP	EET SPK
Total/NA	Prep	3550C			15.39 g	5 mL	45958	02/23/24 07:46	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	45969	02/23/24 16:10	NMI	EET SPK

Client Sample ID: UST1-N-12
Date Collected: 02/14/24 14:37
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-14
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: UST1-N-12
Date Collected: 02/14/24 14:37
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-14
Matrix: Solid
Percent Solids: 80.5

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			10.61 g	20 mL	45977	02/23/24 12:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	45985	02/23/24 22:16	NMI	EET SPK

Client Sample ID: UST1-S-12
Date Collected: 02/14/24 14:53
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-15
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: UST1-S-12
Date Collected: 02/14/24 14:53
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-15
Matrix: Solid
Percent Solids: 86.8

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			10.50 g	20 mL	45977	02/23/24 12:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	45985	02/23/24 22:37	NMI	EET SPK

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Bob Brown Tire - Portland

Job ID: 590-23316-1

Client Sample ID: UST2-N-12
Date Collected: 02/14/24 14:45
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-16
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: UST2-N-12
Date Collected: 02/14/24 14:45
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-16
Matrix: Solid
Percent Solids: 81.8

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			10.48 g	20 mL	45977	02/23/24 12:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	45985	02/23/24 22:59	NMI	EET SPK

Client Sample ID: UST2-S-12
Date Collected: 02/14/24 15:01
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-17
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: UST2-S-12
Date Collected: 02/14/24 15:01
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-17
Matrix: Solid
Percent Solids: 81.7

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			10.38 g	20 mL	45977	02/23/24 12:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	45985	02/23/24 23:20	NMI	EET SPK

Client Sample ID: Mid-12
Date Collected: 02/14/24 15:09
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-18
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			45955	02/22/24 16:04	AMB	EET SPK

Client Sample ID: Mid-12
Date Collected: 02/14/24 15:09
Date Received: 02/20/24 09:30

Lab Sample ID: 590-23316-18
Matrix: Solid
Percent Solids: 75.2

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			10.89 g	20 mL	45977	02/23/24 12:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	45985	02/23/24 23:42	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
Job ID: 590-23316-1
Project/Site: Bob Brown Tire - Portland

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: Bob Brown Tire - Portland

Job ID: 590-23316-1

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

Eurofins Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: OR DEQ

Eurofins Environment Testing America

Client Contact	Project Manager: Josh Owen	Site Contact:	Date:	COC No.
Martin S. Burck Associates	Email: jowen@msbaenvironmental.com	Lab Contact:	Carrier:	1 of 2 COCs
200 N Wasco Ct	Tel/Fax:			TALS Project #:
Hood River, OR 97031	**Analysis Turnaround Time**			Sampler:
Phone 541.387.4422	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
FAX: 541 387.4813	TAT if different from Below _____			Walk-in Client:
Project Name Bob Brown Tire - Portland	☐ 2 weeks			Lab Sampling:
Site Bob Brown Tire - Portland	☐ 1 week			
PO# Bob Brown Tire	☐ 2 days ☐ 1 day			Job / SDG No.

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	Sample Specific Notes.
S1-1	2/12/24	1347	G	S	3						
S2-1	2/12/24	1407	G	S	3				✓	✓	
S3-12	2/14/24	1428	G	S	3			✓			
S4-3	2/14/24	1114	G	S	3			✓			
S5-2	2/15/24	1053	G	S	3						
S6-2	2/15/24	1107	G	S	3				✓	✓	
S6-5	2/15/24	1322	G	S	3				✓	✓	
S7-2	2/15/24	1213	G	S	3						
S8-5	2/15/24	1334	G	S	3						
S9-5	2/15/24	1345	G	S	3						
S10-5	2/15/24	1356	G	S	3						
S11-2	2/15/24	1443	G	S	3				✓	✓	

590-23316 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.		Cooler Temp (°C): Obs'd. 4.6	Corr'd. 4.7	Therm ID No. Hood	
Relinquished by: Jon White	Company: MSBA	Date/Time: 2/19/24 13:00	Received by:	Company: EET SPK	Date/Time: 2/20/24 9:30	
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:	

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

Client Contact	Project Manager: Josh Owen	Site Contact:	Date:	COC No:
Martin S. Burck Associates	Email: jowen@msbaenvironmental.com	Lab Contact:	Carrier:	2 of 2 COCs
200 N Wasco Ct	Tel/Fax.			TALS Project #:
Hood River, OR 97031	Analysis Turnaround Time			Sampler:
Phone 541.387.4422	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
FAX: 541.387.4813	TAT if different from Below _____			Walk-in Client:
Project Name: Bob Brown Tire - Portland	☐ 2 weeks			Lab Sampling
Site: Bob Brown Tire - Portland	☐ 1 week			
PO# Bob Brown Tire	☐ 2 days			Job / SDG No.
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-HCID	NWTPH-GX	NWTPH-DX	Sample Specific Notes.
S12-2	2/15/24	1518	G	S	3				✓	✓	
UST1-N-12	2/14/24	1437	G	S	3			✓			
UST1-S-12	2/14/24	1453	G	S	3			✓			
UST2-N-12	2/14/24	1445	G	S	3			✓			
UST2-S-12	2/14/24	1501	G	S	3			✓			
Mid-12	2/14/24	1509	G	S	3			✓			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C). Obs'd. 4.6 Corr'd. 4.7		Therm ID No.: IR5016
Relinquished by: Ian Wist	Company: MSBA	Date/Time: 2/19/24 15:00	Received by:	Company: EET SPO	Date/Time: 2/20/24 9:50
Relinquished by:	Company:	Date/Time	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-23316-1

Login Number: 23316
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

February 19, 2024

Martin S. Burck Assoc.-Hood River, OR

Sample Delivery Group:	L1706404
Samples Received:	02/16/2024
Project Number:	BOB BROWN TIRE
Description:	BOB BROWN TIRE
Site:	BOB BROWN TIRE
Report To:	Jon White 200 N. Wasco Ct. Hood River, OR 97031

Entire Report Reviewed By:

Kelly Mercer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

S3-3 L1706404-01 Solid

Collected by: Jon White
Collected date/time: 02/13/24 11:22
Received date/time: 02/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2227776	1	02/16/24 11:22	02/16/24 11:25	MT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2227838	1	02/16/24 12:52	02/16/24 14:02	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2226877	25	02/13/24 11:22	02/17/24 02:33	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2227852	1	02/16/24 13:28	02/16/24 16:40	JDG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Kelly Mercer
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	02/16/2024 11:25	WG2227776

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	10.1		0.548	1	02/16/2024 14:02	WG2227838

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	6.64	B	2.99	25	02/17/2024 02:33	WG2226877
(S) a,a,a-Trifluorotoluene(FID)	*95.6*		*77.0-120*		*02/17/2024 02:33*	WG2226877

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	66.0	J6	4.39	1	02/16/2024 16:40	WG2227852
Residual Range Organics (RRO)	ND		11.0	1	02/16/2024 16:40	WG2227852
(S) o-Terphenyl	*71.4*		*18.0-148*		*02/16/2024 16:40*	WG2227852

Sample Narrative:

L1706404-01 WG2227852: Sample resembles laboratory standard for Diesel.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4034836-1 02/16/24 11:25

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1706404-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1706404-01 02/16/24 11:25 • (DUP) R4034836-3 02/16/24 11:25

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.2	92.1	1	1.03		10

Laboratory Control Sample (LCS)

(LCS) R4034836-2 02/16/24 11:25

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4034740-2 02/16/24 13:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.208	0.500

Laboratory Control Sample (LCS)

(LCS) R4034740-3 02/16/24 14:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	104	104	80.0-120	

L1706404-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1706404-01 02/16/24 14:02 • (MS) R4034740-6 02/16/24 14:11 • (MSD) R4034740-7 02/16/24 14:13

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	110	10.1	126	125	106	104	1	75.0-125			1.17	20

Method Blank (MB)

(MB) R4034949-3 02/17/24 01:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.69	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4034949-1 02/17/24 00:27 • (LCSD) R4034949-2 02/17/24 00:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.00	5.18	5.39	104	108	71.0-124			3.97	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*106*	*77.0-120*				

L1704600-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704600-15 02/17/24 04:48 • (MS) R4034949-4 02/17/24 09:37 • (MSD) R4034949-5 02/17/24 09:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	178	ND	178	186	98.7	103	25	50.0-150			4.65	27
(S) a,a,a-Trifluorotoluene(FID)					*106*	*105*		*77.0-120*				

Method Blank (MB)

(MB) R4034864-1 02/16/24 16:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*48.8*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4034864-2 02/16/24 16:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	33.7	67.4	50.0-150	
(S) o-Terphenyl			*58.4*	*18.0-148*	

L1706404-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1706404-01 02/16/24 16:40 • (MS) R4034864-3 02/16/24 16:53 • (MSD) R4034864-4 02/16/24 17:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	54.3	66.0	85.4	98.8	35.8	60.8	1	50.0-150	J6		14.5	20
(S) o-Terphenyl					*62.3*	*77.1*		*18.0-148*				

Sample Narrative:

OS: Sample resembles laboratory standard for Diesel.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Martin S. Burck Associates
200 N. Wasco Ct., Hood River, OR 97031

Billing Information:
Accounts Payable
200 N. Wasco Ct.
Hood River, OR 97031

Report to: **Jon White**

Email To: **jwhite@msbaenvironmental.com**

Project Description: Bob Brown Tire – Portland

City/State Collected: Portland, OR

Phone: **541.387.4422**
Fax: **541.387.4813**

Client Project #: Bob Brown Tire

Lab Project #: Bob Brown Tire

Collected by (print): Jon White

Site/Facility ID #: Bob Brown Tire

P.O. #: Bob Brown Tire

Collected by (signature): Jon White

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
X Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L706464
A188

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	8260D - VOCs - RBDM List	8260D - VOCs - Full List	8270E-SIM - PAHs	6010 Total Lead	6010 Dissolved Lead (field filtered)	Hold	Remarks	Sample # (lab only)
S3-3	Grab	SS	3'	2/13/24	11:22	3		✓	✓				✓				01

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other **OT1 = Distilled Water** **OT2 = Lab Provided Water**

Remarks: Same Day Rush!

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 5755 8087 1085

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Jon White	2/15/24	10:30		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 3.7-3.7 3
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 2/16/24 Time: 9:00

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK


NATIONAL


322 L


WELCOME
NATIONAL

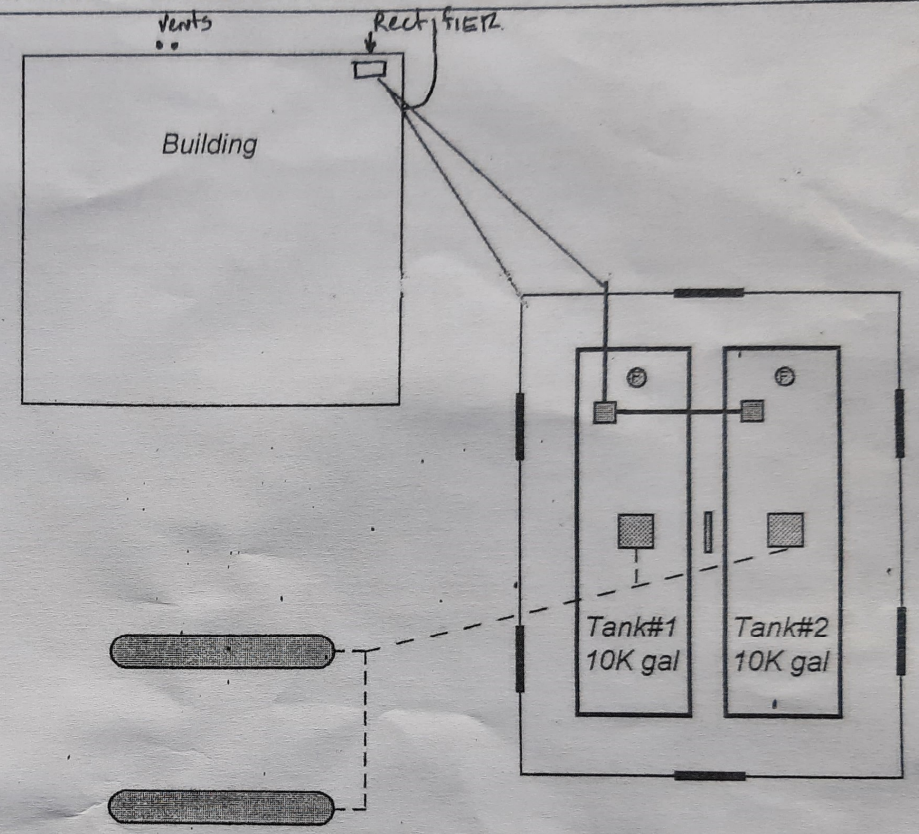

RANCH & HOME


Since
BROWN'S
Brakes
Alignment
Batteries
Starters
Alternators
Shocks
Struts
Belts
Hoses
Maintenance
Tune-Up
Oil-Lube-Filter
PARKING ONLY
MAXX-D


CAT
NATIONAL
TIRE

INTERNATIONAL LUBRICATION & FUEL CONSULTANTS, INC. Rio Rancho, New Mexico 87124 (800) 237-4532

CATHODIC PROTECTION PLAN



MATERIAL LIST :

6 - 1.5"x60" Cast Iron Anodes with 10' of #8 lead wire in 3"x84" cannister w/coke breeze.
8 - Splice kits and crimpits.
1 - Test stations
700' #8 HMWPE
1 - 40-6A rectifier w/ J-box

Soil Resistivity = 23,424 Ohm-cm

SUGGESTED TEST STATION

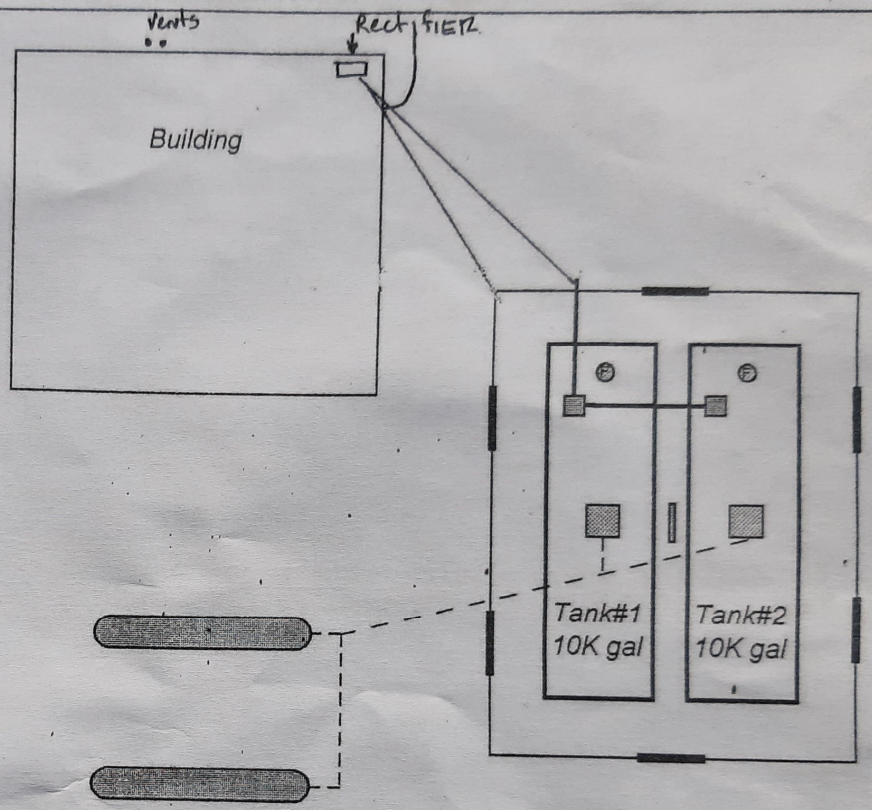
INSTALL ANODES IN ACCORDANCE WITH ILFC SPEC. 101
INSTALL TEST STATIONS IN ACCORDANCE WITH ILFC SPEC. 103

* Rectifier size and voltage requirements are calculated based on soil resistivity data provided from the field. **ILFC** recommend setting the voltage at about 4V then measure half-cell, and as required increase the voltage.

NACE Certified Corrosion Specialist #973 Dr. Charles C. Nathan P.E. 10/16/98	SITE: Star Oil NE Sandy Blvd.	CLIENT: Universal Applicators, Inc. 2357 SE 50th Avenue Portland, OR 97215	Drawn By: J.P. Date: 10-6-98 Drawing No. Star Oil Rev.

INTERNATIONAL LUBRICATION & FUEL CONSULTANTS, INC. Rio Rancho, New Mexico 87124 (800) 237-4532

CATHODIC PROTECTION PLAN



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NACE Certified Corrosion Specialist #973 Dr. Charles C. Nathan P.E. 10/16/98	SITE: Star Oil NE Sandy Blvd.	CLIENT: Universal Applicators, Inc. 2357 SE 50th Avenue Portland, OR 97215	Drawn By: J.P. Date: 10-6-98 Drawing No. Star Oil Rev.


CAT


CATERPILLAR
CAT


NATIONAL
RENT-A-FENCE
800-352-5675
NO SMOKING


CAT


CAT
CAT
STAY CLEAR

CAT

CAT
CAT


CAT

CAT


CAT

Oregon Department of Environmental Quality - Underground Storage Tank Program
Technical Compliance Inspection - UST Inspection Report (Decommission)

Inspector: Dave Pardue Date: ____ 4/2/2024 Time: _____ Facility: __ 10613

I. Site Information			
Facility Name:	Bob Brown Tire	Permittee:	Willis Gill
Site Address:	12110 NE Sandy Blvd	Organization:	
City:	Portland	Phone:	503-849-1888

II. Tank Information					
DEQ Permit #	BAJHF	BAJHG			
Estimated Gallons	10000	10000			
Substance	BIODIESEL	Gas			
Tank Material	Cat Pro steel	Cat Pro steel			
Tank Install Date	11/2/1975	11/2/1975			
Pipe Material	Galv Steel	Galv Steel			
Pipe Type	PRESSURE	PRESSURE			
Pipe Install Date					
Overfill Device	shut off	shut off			

Objective of field visit: Decom

Notes and Comments from the UST database: ☐ *Check file before conducting inspection*

cp had been out of use since building and rectifier were in a fire.

IV. Corrosion Protection			**Compliance**	Yes	X No
☐ Cathodic	☐ Galvanic	X Impressed Current			
Steel tank with cathodic?			☐ Yes	☐ No	
Steel pipes with cathodic?			☐ Yes	☐ No	
Steel flex-lines with cathodic?			☐ Yes	☐ No	
Date of cathodic test: _____					
Last two tests available?			☐ Yes	☐ No	
Did last test pass?			☐ Yes	☐ No	
If not:					
Was failed test reported to DEQ?			☐ Yes	☐ No	
Was system repaired?			☐ Yes	☐ No	
Date of repair? _____					
Cathodic retested within 6 mos. of repair?			☐ Yes	☐ No	
Date of retesting? _____					
If impressed current system:					
Rectifier Operational?			Yes	☐ No	
Rectifier log maintained?			Yes	No	
Rectifier been operating continuously			Yes	☐ No	
☐ Tank Lining					
Date of lest test? _____					
Pressure test conducted after tank lining inspection?			☐ Yes	☐ No	

V. General notes from inspection

Appeared to be a release at dispenser and piping.

Representative onsite: _____ email:_____

Compliance Determination: No Violations Observed Observed violations resulting in enforcement

Inspector Signature: _ Dave Pardue Date: _____ 4/4/2024

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

March 13, 2024

Willis Gill
Bob Brown Tire Center
16080 W Desert Winds Dr
Surprise, AZ 85374-4983

RE: UST Decommissioning Status
12110 NE Sandy Blvd
DEQ UST Facility ID No. 10613

Dear Willis Gill:

The Department of Environmental Quality (DEQ) has received and reviewed underground storage tank (UST) documents for closure of two decommissioned registered USTs at facility #10613, located at 12110 NE Sandy Blvd in Portland. 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 tank from active to closed, with a decommissioning date of February 13, 2024. DEQ file and database records show tank permit BAJHF and BAJHG 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