

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kelly Ottmar Graymar Environmental Services Inc 601 S Pioneer Way Ste F218 Moses Iake, Washington 98837 Generated 5/14/2024 4:19:57 PM

JOB DESCRIPTION

Lawrence Oil

JOB NUMBER

590-24715-1

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206



See page two for job notes and contact information.

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

Candue Aming

Generated 5/14/2024 4:19:57 PM

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

Table of Contents

1
3
4
5
6
7
8
10
11
12
13
14

Job ID: 590-24715-1

Eurofins Spokane

Job Narrative 590-24715-1

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 5/9/2024 12:31 PM. 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 8.0°C.

Receipt Exceptions

The following samples were collected in an improper container: Sample 1 (590-24715-1) and Sample 2 (590-24715-2). VOC was collected as soil in jar. Samples were not collected according to 5035L/5035A-L specifications.

GC/MS VOA

Method NWTPH_Gx_MS: The laboratory control sample (LCS) for preparation batch 590-47334 and 590-47334 and analytical batch 590-47333 recovered outside control limits for the following analytes: Gasoline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method NWTPH_Gx_MS: The continuing calibration verification (CCV) associated with batch 590-47333 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.

GC Semi VOA

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-24715-1	Sample 1	Solid	05/08/24 10:00	05/09/24 12:31
590-24715-2	Sample 2	Solid	05/08/24 10:15	05/09/24 12:31

Positive / Present

Presumptive Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Qualifiers

POS

PQL

QC RER

RL RPD

TEF

TEQ

TNTC

PRES

GC/MS VOA Qualifier	Qualifier Description	
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¤	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	

Job ID: 590-24715-1

Client Sample ID: Sample 1 Date Collected: 05/08/24 10:00 Date Received: 05/09/24 12:31

Lab Sample ID: 590-24715-1 Matrix: Solid

Percent Solids: 94.6

5 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	*+	6.2		mg/Kg	<u></u>	05/13/24 15:30	05/13/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		41.5 - 162				05/13/24 15:30	05/13/24 17:00	1
_ Method: NWTPH-Dx - Northv	vest - Semi-V	olatile Pe	troleum Prod	ucts (GC	C)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	\$	05/10/24 07:08	05/10/24 11:46	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	¢	05/10/24 07:08	05/10/24 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	98		50 - 150				05/10/24 07:08	05/10/24 11:46	1
n-Triacontane-d62	87		50 - 150				05/10/24 07:08	05/10/24 11:46	1
Client Sample ID: Sample	e 2					L	ab Sample	D: 590-24	715-2
Date Collected: 05/08/24 10:15	5						-	Matrix	: Solid
Date Received: 05/09/24 12:31								Percent Solid	s: 95.6
_ Method: NWTPH-Gx - Northy	vost - Volatile	Petroleu	m Products ((
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	*+	6.2		mg/Kg	☆	05/13/24 15:30	05/13/24 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 Bromofluorobonzono (Surr)	110		41 5 162				05/13/24 15:30	05/13/24 17:21	1

Analyte	Result	Qualifier	RL	MDL	Únit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	₽	05/10/24 07:08	05/10/24 12:29	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	¢	05/10/24 07:08	05/10/24 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150				05/10/24 07:08	05/10/24 12:29	1
n-Triacontane-d62	90		50 - 150				05/10/24 07:08	05/10/24 12:29	1

1 2 3 4 5 6 7 8 9 10

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

Lab Sample ID: MB 590-47 Matrix: Solid Analysis Batch: 47333	334/1-A									C	Clie	nt San	ple ID: Prep ⁻ Prep	Methoo Type: T Batch	d Blank otal/NA : 47334
	I	MB	МВ												
Analyte	Res	ult	Qualifier	I	RL	Ν	IDL	Unit		D	Pı	repared	Ana	lyzed	Dil Fac
Gasoline		ND			5.0			mg/Kg	3	- 0)5/1	3/24 12:0	0 05/13/	24 15:11	1
		ΜВ	MB												
Surrogate	%Recov	ery	Qualifier	Limits	5						PI	repared	Ana	lyzed	Dil Fac
4-Bromofluorobenzene (Surr)		88		41.5 - 16	52					C	05/1	3/24 12:0	0 05/13/	24 15:11	1
Lab Sample ID: LCS 590-4 Matrix: Solid Analysis Batch: 47333	7334/3-A								Clie	ent (Sar	nple ID	: Lab C Prep ⁻ Prep	ontrol S Type: T Batch	Sample otal/NA : 47334
				Spike		LCS	LCS						%Rec		
Analyte				Added	F	Result	Qua	lifier	Unit		D	%Rec	Limits		
Gasoline				50.0		72.9	*+		mg/Kg		_	146	74.4 - 124		
	LCS	LCS													
Surrogate	%Recovery	Qual	ifier	Limits											
4-Bromofluorobenzene (Surr)	96		4	1.5 - 162											

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

Lab Sample ID: MB 590-47 Matrix: Solid	′301/1-A								Cli	ent Samp	ole ID: Method Prep Type: T	d Blank otal/NA
Analysis Batch: 47291											Prep Batch	: 47301
-	M	в мв										
Analyte	Resu	It Qualif	fier	RL	I	MDL	Unit		DF	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	N	D		10			mg/Kg		05/	10/24 07:08	05/10/24 11:03	1
Residual Range Organics (RRO) (C25-C36)	Ν	D		25			mg/Kg		05/	10/24 07:08	05/10/24 11:03	1
	М	B MB										
Surrogate	%Recove	y Quali	fier L	.imits					I	Prepared	Analyzed	Dil Fac
o-Terphenyl	10	02	5	50 - 150					05/	10/24 07:08	05/10/24 11:03	1
n-Triacontane-d62	ξ	33	5	50 - 150					05/	10/24 07:08	05/10/24 11:03	1
Lab Sample ID: LCS 590-4	7301/2-A							Clie	nt Sa	mple ID:	Lab Control	Sample
Matrix: Solid											Prep Type: T	otal/NA
Analysis Batch: 47291											Prep Batch	: 47301
			Spik	e	LCS	LCS	;				%Rec	
Analyte			Adde	d	Result	Qua	lifier	Unit	D	%Rec	Limits	
Diesel Range Organics (DRO)			66	.7	67.4			mg/Kg		101	50 - 150	
(C10-C25)												
Residual Range Organics (RRO)			66	.7	66.6			mg/Kg		100	50 - 150	
(C25-C36)												
	LCS L	cs										
Surrogate	%Recovery Q	ualifier	Limits	5								
a Tarahanud	101		50 4	50								

 o-Terphenyl
 104
 50 - 150

 n-Triacontane-d62
 105
 50 - 150

5

6 7

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

Lab Sample ID: 590-24715 Matrix: Solid Analysis Batch: 47291	i-1 DU							Client Sample ID: San Prep Type: Tot Prep Batch: 4	nple 1 tal/NA 47301
	Sample	Sample		DU	DU				RPD
Analyte	Result	Qualifier		Result	Qualifier	Unit	D	RPD	Limit
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	\$		40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	₽	NC	40
	DU	DU							
Surrogate	%Recovery	Qualifier	Limits						
o-Terphenyl	95		50 - 150						
n-Triacontane-d62	87		50 - 150						
n-Triacontane-d62 	87		50 - 150						

Lab Sample ID: 590-24715-1

Matrix: Solid

Date Collected: 05/08/24 10:00 Date Received: 05/09/24 12:31

Client Sample ID: Sample 1

Prep Type	Batch Type Analysis	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	EFT SPK
Client Same		nnlo 1		•				ah Samplo	ID: 500	
Data Collector	JIE ID. Sali							an Sample	ID. 590	-24/10-1 atrix: Solid
Date Received	1. 05/08/24 1 1. 05/09/24 1	0.00 2:31						р	ercent S	allids: 94 6
		2.01								01103. 04.0
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.988 g	10 mL	47334	05/13/24 15:30	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47333	05/13/24 17:00	JSP	EET SPK
Total/NA	Prep	3550C			15.67 g	5 mL	47301	05/10/24 07:08	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47291	05/10/24 11:46	NMI	EET SPK
Date Collected Date Received	d: 05/08/24 1 d: 05/09/24 1 Batch	0:15 2:31 Batch		Dil	Initial	Final	Batch	Prepared	Ma	atrix: Solid
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			47296	05/09/24 16:18	MRV	EET SPK
Client Samp	ole ID: San	nple 2					L	ab Sample	ID: 590)-24715-2
Date Collected	d: 05/08/24 1	0:15						_	Ma	atrix: Solid
Date Received	d: 05/09/24 1	2:31						Р	ercent S	olids: 95.6
Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.759 g	10 mL	47334	05/13/24 15:30	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	47333	05/13/24 17:21	JSP	EET SPK
Total/NA	Prep	3550C			15.69 g	5 mL	47301	05/10/24 07:08	MRV	EET SPK

1 mL

1

47291

1 mL

05/10/24 12:29 NMI

Laboratory References:

Analysis

Total/NA

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

NWTPH-Dx

EET SPK

Job ID: 590-24715-1

Laboratory: Eurofins Spokane Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. Authority Program **Identification Number** Expiration Date Washington State C569 01-07-25 5 6 7 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 Percent Solids Solid Moisture 9

Eurofins Spokane

Method Summary

Client: Graymar Environmental Services Inc Project/Site: Lawrence Oil

Method	Method Description	Protocol	Laborator
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (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

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

>>> Select a Laboratory <<<

Chain of Custody Record

<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

#N/A

#N/A #N/A

#N/A **Regulatory Program** DW NPDES TestAmerica Laboratories, Inc. RCRA Other COC No: **Client Contact** Project Manager David Milbrandt Site Contact: Angela Stenhouse DATE: 5/8/24 GrayMar Environmental Services Tel/Fax: 509-431-3364 Lab Contact, Randee Arrington Carrier[.] FedX 1 of COCs 601 S Pioneer Way Ste F #218 **Analysis Turnaround Time** Sampler Angela Stenhouse Moses Lake, WA 98837 CALENDAR DAYS WORKING DAYS For Lab Use Only î (509) 770-4621 Phone Walk-in Client: TAT if different from Below (XXX) XXX-XXXX FAX Σ Lab Sampling: Π 2 weeks Client Name: Lawrence Oll i week MSD Sample Location: Othello I 2 davs Job / SDG No. PO# 1 day S Sample E 꼬 Туре Filtere Perfor DRO Sample Sample GRO # of (C=Comp, Sample Identification Date Time G=Grab) Matrix Cont Sample Specific Notes. 5/8/2024 10:00 AM G Sample 1 S 1 Sample 2 5/8/2024 10:15 AM G 1 S 590-24715 Chain of Custody Preservation Used: 1= ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) 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 Elammable Skin Irritant Polson B Unknown Return to Client Archive for Months Disposal by Lab Special instructions/QC Reguirements & Comments. Custody Seals Intact: 🗋 Yes Custody Seal No. Cooler Temp. (°C): Obs'd: Ŷ Corr'd: 🖧 O Therm ID No. 14000 No No Relinquished by Corinna cole GrayMar Environmental Date/Time: Received by Company[,] Date/Time 5/8/2024 12:00 Services Relinguished by Company Date/Time: Received by: Date/Time: Company[.] Relinguished by Date/Time: Received in Laboratory by: Company[.] Company: S-3

Form No. CA-C-WI-002, Rev 4.18, dated 9/5/2018

11

Login Sample Receipt Checklist

Client: Graymar Environmental Services Inc

Login Number: 24715 List Number: 1 Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
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	

Job Number: 590-24715-1

List Source: Eurofins Spokane