

February 18, 2026

Mr. Jim Schneider
HF Sinclair Puget Sound Refining LLC
8505 South Texas Road
Anacortes, WA 98221

Re: 2025 Annual Reporting of Soil-Pore Water and Groundwater Sampling Results at the SWMU-55 Site - HF Sinclair Puget Sound Refining LLC

Dear Mr. Schneider:

ALL4 LLC has completed annual soil-pore water and groundwater monitoring at Solid Waste Management Unit 55 (SWMU-55) located at the HF Sinclair Puget Sound Refinery (HFSPSR) as shown on Figure 1. HF Sinclair Puget Sound Refinery is located at 8505 South Texas Road in Anacortes, Washington.

The lysimeters and groundwater monitoring wells at the SWMU-55 site (the Site) have been sampled annually per Section V.B of the HFSPSR Permit for Land Treatment of Dangerous Waste (Permit No. WAD009276197). Sampling was completed as required per Agreed Order No. DE 16081 relating to construction activities at the Site. Construction at the Site is now complete. Per Section 4.5.1 of the Interim Action Plan (IAP) for the SWMU-55 Site, following the implementation of the IAP, the groundwater from wells W-24 and W-46 will be sampled in years 1, 2, 4, 8, and 12, and soil-pore water in lysimeters L90-13 (now L90-13a) and L90-16E will continue to be monitored once per year for two years. The lysimeters and groundwater wells will be sampled using the expanded analyte list provided in Section 4.9.2 of the IAP, listed below:

- Volatile Petroleum Hydrocarbons and Hexane (Method NWVPH)
- Extractable Petroleum Hydrocarbons (Method NWEPH)
- Total cPAHs, Benzo(a)pyrene, and Naphthalenes (Method EPA 8270 SIM)
- Benzene, Toluene, Ethylbenzene, and Xylene (Method EPA-8021)
- Mercury (Method EPA 7471)
- Chromium, Nickel, and Vanadium (Method EPA 6020)

Lysimeter L90-13 was removed as a result of construction activities at the Site in 2019. The lysimeter was replaced when construction activities were completed in 2020 and renamed L90-13a. Monitoring well and lysimeter locations are shown on Figure 2.

SOIL-PORE WATER SAMPLING METHODS

Soil-pore water samples were collected from lysimeters L90-13a and L90-16E in November 2025. Samples were collected utilizing the lysimeter sample collection methodology in accordance with the procedures in Permit Attachment 11.

GROUNDWATER SAMPLING METHODS

Groundwater samples were collected from wells W-24 and W-46 in November 2025. The groundwater samples were collected from dedicated bladder pumps, installed in each well, using a controller with an internal mini compressor.

Water was pumped using a low flow sampling technique recommended by the U.S. Environmental Protection Agency¹ with some modifications. The low flow sampling technique minimizes the impact of the purging process on groundwater chemistry and provides an accurate representation of groundwater conditions at the time of sampling. A YSI multi-parameter water meter (or equivalent) was used in conjunction with a flow-through cell to monitor groundwater chemistry during the low flow purging process. Purging was considered adequate, and groundwater samples were collected, when the water chemistry parameters stabilized. Water chemistry parameters include: Temperature, Electrical Conductivity (EC), Total Dissolved Solids (TDS), Salinity, Dissolved Oxygen (DO), pH, and Oxidation/Reduction Potential (ORP). During sampling, if water chemistry parameters had not reached stabilization after one hour of purging, then purging was considered adequate, and a water sample was collected. The water chemistry parameters, recorded at the time of sampling, are shown in Table 1.

During the November sampling event, the battery powering the controller with the internal mini compressor failed mid-way through filling the bottles at well W-46 (after the well had stabilized and water chemistry parameters were recorded). The remaining bottles at well W-46 were filled using a disposable bailer. The groundwater sample collected from well W-24 also was collected using a disposable bailer. Prior to collecting the groundwater sample from well W-24, groundwater was purged from the well until the water level in the bailer dropped to about half of the bailer's capacity.

Groundwater samples were collected in sample containers provided by the analytical laboratory and placed in a cooler with ice immediately after collection. Dissolved metals samples were filtered in the field using a disposable 0.45 µm in-line filter. One duplicate sample and one field equipment blank sample were also collected during the sampling event. Standard industry protocols regarding sample collection, preservation, chain-of-custody, and shipping were followed.

LABORATORY ANALYSIS

Samples collected in November 2025 were sent to ALS Environmental laboratory in Everett, WA, for analysis. ALS Environmental is accredited by the Washington State Department of Ecology. All samples were analyzed for the analytes listed in Section 4.9.2 of the IAP. Analytes included benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), hexane, volatile petroleum hydrocarbons, extractable petroleum hydrocarbons, cPAHs, naphthalenes, chromium, nickel, vanadium, and mercury.

¹ U.S. Environmental Protection Agency – Region 1. (2017). Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells. (EQASOP-GW4). U.S. Environmental Protection Agency.

ANALYTICAL RESULTS

A summary of the 2025 soil-pore water and groundwater sampling results is provided in Table 2. The original laboratory data report is provided in Attachment 2.

ALS Environmental subcontracted the extractable petroleum hydrocarbon analysis by method NWEPH to Alliance Technical Group, LLC (Alliance). The Alliance laboratory reported detections of aliphatic Equivalent Carbon (EC) 8-EC10 and aromatic EC8-EC10 in the batch Method Blank at 139 ug/L and 336 ug/L, respectively. All the samples contained detections of these EC ranges at similar values as reported in the batch Method Blank. These results are atypical compared to past years' data.

ALS Environmental was contacted regarding the contamination reported in the Method Blank. Ms. Dorinda McCormick, Project Manager at ALS Environmental, contacted the subcontracted laboratory Alliance. Ms. McCormick issued a revised laboratory report on January 26, 2026. The Case Narrative in Alliance's laboratory report stated that the detections in the client samples for aliphatic and aromatic EC8-EC10 arose from laboratory contamination as seen in the batch Method Blank. Ms. McCormick's email issuing the revised report is included as Attachment 1.

ALS Environmental subcontracted the volatile petroleum hydrocarbon analysis by method NWVPH to OnSite Environmental, Inc. (OnSite). OnSite laboratory reported that aliphatic EC8-EC10 and aromatic EC8-EC10 were non-detect in all samples.

W-24

Dissolved nickel was detected in the groundwater sample from well W-24 at a concentration of 37 ug/L, which is below the Model Toxics Control Act (MTCA) Method B cleanup level of 320 ug/L. The only other analyte detected in W-24 was aliphatic EC21-EC34 at a concentration of 46 ug/L. When all petroleum EC fraction detections were summed (one-half the laboratory reporting limit was used for non-detect values), the result was below the Method A cleanup level for Total Petroleum Hydrocarbons (TPH) in groundwater, 500 ug/L.

W-46

Dissolved nickel was detected in the groundwater sample from well W-46 at a concentration of 17 ug/L, which is below the MTCA Method B cleanup level of 320 ug/L. The only other analyte detected in W-46 was aromatic EC21-EC34 at 39.3 ug/L. When all petroleum EC fraction detections were summed (one-half the laboratory reporting limit was used for non-detect values), the result was below the Method A cleanup level for TPH in groundwater, 500 ug/L.

L90-13a

No dissolved metals were detected in the soil-pore water sample from lysimeter L90-13a. The only other analyte detected from lysimeter L90-13a was aromatic EC21-EC34 at a concentration of 62.6 ug/L. When all petroleum EC fraction detections were summed (one-half the laboratory reporting limit was used for non-detect values), the result was below the Method A cleanup level for TPH in groundwater, 500 ug/L.

L90-16E

Dissolved vanadium was detected in the soil-pore water sample from lysimeter L90-16E at a concentration of 14 ug/L, which is below the MTCA Method B cleanup level of 80 ug/L. Dissolved nickel was detected in lysimeter L90-16E at a concentration of 6.6 ug/L, which is below the MTCA Method B cleanup level of 320 ug/L. The only other analyte detected from lysimeter L90-16E was aromatic EC21-EC34 at 44.4 ug/L. When all petroleum EC fraction detections were summed (one-half the laboratory reporting limit was used for non-detect values), the result was below the Method A cleanup level for TPH in groundwater, 500 ug/L.

CONCLUSIONS

Based on the results of this investigation, there is no evidence of groundwater or soil-pore water contamination above MTCA Method B residential groundwater cleanup levels at the SWMU-55 Site.

ALL4 LLC appreciates the opportunity to assist the HF Sinclair Puget Sound Refining LLC with the SWMU-55 sampling project. Should you have any questions regarding this report, please call Ava Gempler at (360) 685-8339 or agempler@all4inc.com.

Sincerely,
ALL4 LLC



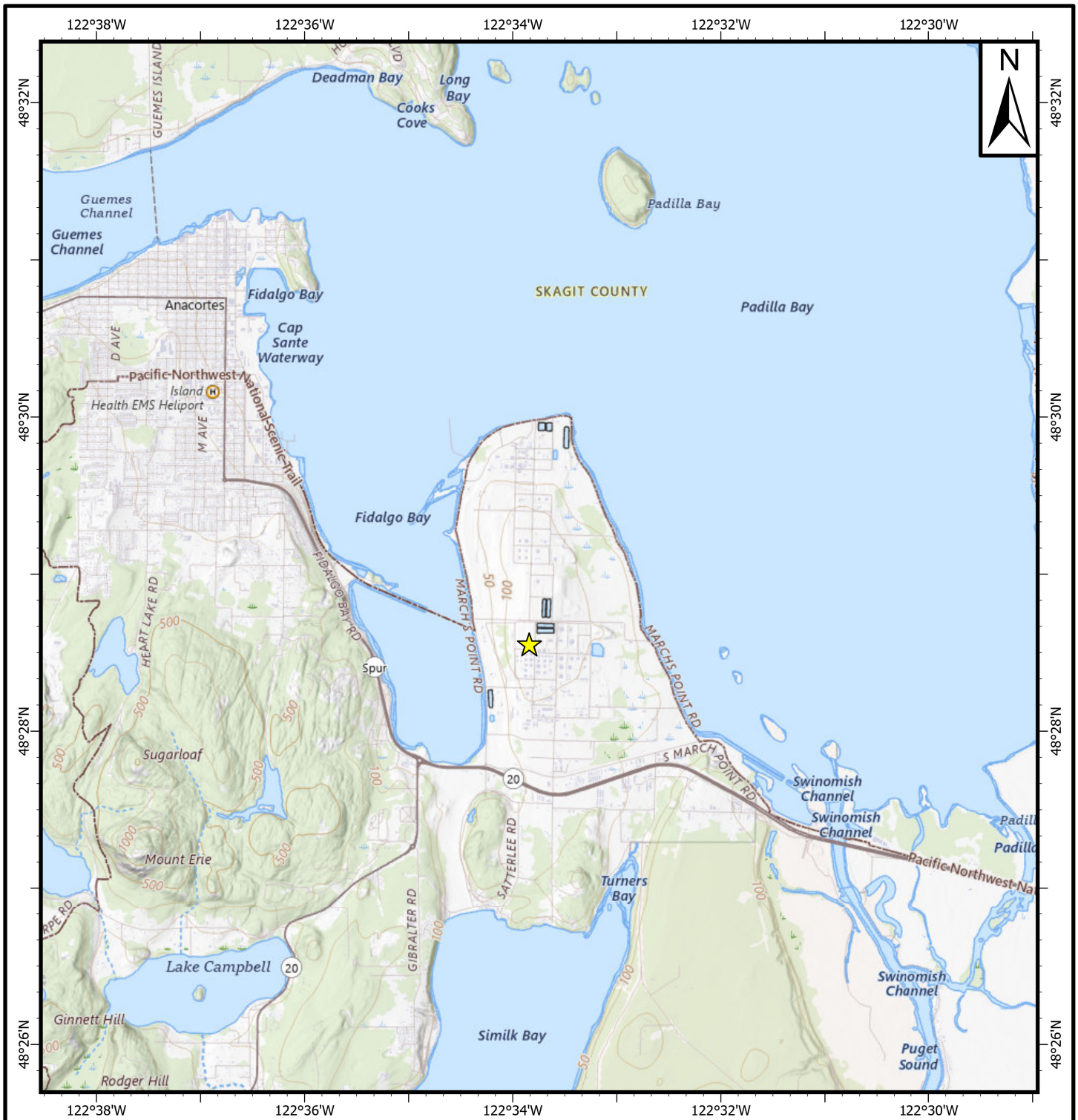
Ava Gempler
Consultant

cc: HF Sinclair Puget Sound Refining LLC
Eric Libolt, Washington Office Leader (ALL4)

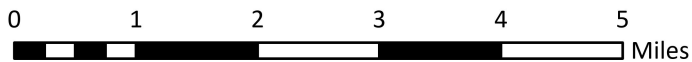
Figure 1 – Site Location Map
Figure 2 – Monitoring Well and Lysimeter Location Map
Table 1 – Groundwater Field Chemistry Parameters – SWMU 55
Table 2 – Soil-Pore Water and Groundwater Data – SWMU 55

Attachments:

Attachment 1 – Laboratory Correspondence
Attachment 2 – Original Laboratory Analytical Data Reports



Scale: 1:100,000



Locator Map



★ HF Sinclair Puget Sound Refinery
8505 S Texas Road
Anacortes, WA 98221

DATE:
02/16/2026

PROJECT:
004531-0061.00



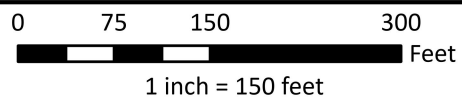
Figure 1
Site Location Map

HFSPSR - SWMU-55 Site
8505 S. Texas Road
Anacortes, WA 98221



-  Groundwater Monitoring Well
-  Lysimeter
-  Site Boundary

All data are approximate and should be used for relative location reference only.



PROJECT:
004531-0061.00

DATE:
02/18/2026



Figure 2
Monitoring Well and Lysimeter
Location Map

HFSPSR - SWMU-55 Site
8505 S. Texas Road
Anacortes, WA 98221

Table 1
Groundwater Field Chemistry Parameters - SWMU-55
HF Sinclair Puget Sound Refining LLC - Anacortes, WA

Well ID	Date	Depth to Water (ft bgs)	Temperature (°C)	Conductivity (mS/cm)	Total Dissolved Solids (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	pH	Oxidation/Reduction Potential (mV)
W-46	11/11/2025	51.25	12.7	1.311	0.852	0.66	2.69	6.59	68.5

Groundwater chemistry parameters were collected during purging using a YSI 556 MPS water meter, or equivalent, equipped with a flow-through cell.

Table 2
Soil-Pore Water and Groundwater Data - SWMU 55
HF Sinclair Puget Sound Refining LLC - Anacortes, WA

Analyte	Method	Units	W-24	W-46	L90-13A		L90-16E-GB	MTCA Method B Cleanup Level
			11/11/2025	11/11/2025	11/10/2025	11/10/2025 (dup.)	11/10/2025	
Aliphatic EC5-EC6	NWVPH	(ug/L)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	No Level
Aliphatic EC6-EC8	NWVPH	(ug/L)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	No Level
Aliphatic EC8-EC10	NWVPH	(ug/L)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	No Level
Aliphatic EC10-EC12	NWEPH	(ug/L)	ND(<39.6)	ND(<39)	ND(<39)	ND(<39)	ND(<39.4)	No Level
Aliphatic EC12-EC16	NWEPH	(ug/L)	ND(<39.6)	ND(<39)	ND(<39)	ND(<39)	ND(<39.4)	No Level
Aliphatic EC16-EC21	NWEPH	(ug/L)	ND(<39.6)	ND(<39)	ND(<39)	ND(<39)	ND(<39.4)	No Level
Aliphatic EC21-EC34	NWEPH	(ug/L)	46	ND(<39)	ND(<39)	ND(<39)	ND(<39.4)	No Level
Aromatic EC8-EC10	NWVPH	(ug/L)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	No Level
Aromatic EC10-EC12	NWEPH	(ug/L)	ND(<39.6)	ND(<39)	ND(<39)	ND(<39)	ND(<39.4)	No Level
Aromatic EC12-EC16	NWEPH	(ug/L)	ND(<39.6)	ND(<39)	ND(<39)	ND(<39)	ND(<39.4)	No Level
Aromatic EC16-EC21	NWEPH	(ug/L)	ND(<39.6)	ND(<39)	ND(<39)	ND(<39)	ND(<39.4)	No Level
Aromatic EC21-EC34	NWEPH	(ug/L)	ND(<39.6)	39.3	62.6	ND(<38.5)	44.2	No Level
Benzene	EPA-8260	(ug/L)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	5 ^(a)
Toluene	EPA-8260	(ug/L)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	1,000 ^(a)
Ethylbenzene	EPA-8260	(ug/L)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	700 ^(a)
Xylenes	EPA-8260	(ug/L)	ND(<4)	ND(<4)	ND(<4)	ND(<4)	ND(<4)	1,600
Methyl tert-butyl ether	EPA-8260	(ug/L)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	24
Hexane	EPA-8260	(ug/L)	ND(<6.8)	ND(<6.8)	ND(<6.8)	ND(<6.8)	ND(<6.8)	480
Naphthalene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	160
2-Methylnaphthalene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	32
1-Methylnaphthalene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	560
Benzo(A)Anthracene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	--
Chrysene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	--
Benzo(B)Fluoranthene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	--
Benzo(K)Fluoranthene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	--
Benzo(A)Pyrene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	0.2 ^(b)
Indeno(1,2,3-Cd)Pyrene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	--
Dibenz(A,H)Anthracene	EPA-8270 SIM	(ug/L)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	--
Total Toxic Equivalent Concentration (Total TEQ) ^(c)		(ug/L)	ND(<0.015)	ND(<0.015)	ND(<0.015)	ND(<0.015)	ND(<0.015)	0.2 ^(b)
Total Toxic Mobility Equivalent Concentration (Total TMEQ*) ^(c)		(ug/L)	ND(<0.015)	ND(<0.015)	ND(<0.015)	ND(<0.015)	ND(<0.015)	0.2 ^(b)
Mercury(Dissolved)	EPA 245.1	(ug/L)	ND(<0.2)	ND(<0.2)	ND(<0.2)	ND(<0.2)	ND(<0.2)	2 ^(a)
Chromium (Dissolved)	EPA 200.8	(ug/L)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	ND(<2)	100 ^(a)
Nickel (Dissolved)	EPA 200.8	(ug/L)	37	17	ND(<2)	ND(<2)	6.6	320
Vanadium (Dissolved)	EPA 200.8	(ug/L)	ND(<2.5)	ND(<2.5)	ND(<2.5)	ND(<2.5)	14	80

ND indicates analyte was Not Detected at level above reporting limit (shown in parentheses).

^(a) Indicates Washington Maximum Contaminant Level (MCL).

^(b) EPA/State Maximum Contaminant Level for Benzo(a)pyrene

^(c) cPAH level calculated using Toxicity equivalency methodology provided in WAC 173-340-708(8).

**ATTACHMENT 1 -
LABORATORY CORRESPONDENCE**

Re: [EXTERNAL] - Re: EV25110047 HF Sinclair: SWMU55 & West LTF-C

From Dorinda McCormick <dorinda.mccormick@ALSGlobal.com>

Date Mon 1/26/2026 3:29 PM

To Ava Gempler <agempler@all4inc.com>

Cc Thom Davis <tdavis@all4inc.com>; Matt Roberts <mroberts@all4inc.com>; Eric Libolt <elibolt@all4inc.com>; Deana Simonian <deana.simonian@ALSGlobal.com>; Javier Robles <Javier.Robles@ALSGlobal.com>

 1 attachment (6 MB)

EV25110047 HF Sinclair SWMU55 West LTFC REVISED.pdf;

Hello Ava,

I've received the updated report from Alliance and attached our updated full report for your review. For convenience, I've also copied Alliance's revised case narrative below.

Please review and let us know if this meets your needs. If you'd like any additional changes, let us know and we'll take care of them.

CLIENT: ALS Everett
Project: EV25110047

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Extractable Petroleum Hydrocarbons by NWEPH: The detections in the client samples for Aliphatic and Aromatic C8-C10 arose from laboratory contamination as seen in the batch Method Blank. We sincerely apologize for the inconvenience this causes.

1/26/2026: Rev1 includes additional Case Narrative Language per client request.

Best Regards,



right solutions.
right partner.

Dorinda McCormick

Project Manager, Everett, WA
ALS Environmental

O: +1 425 356 2600

dorinda.mccormick@alsglobal.com

8620 Holly Drive, STE 100
Everett, WA 98208

alsglobal.com

From: Ava Gempler <agempler@all4inc.com>

Sent: Monday, January 26, 2026 12:11 PM

To: Dorinda McCormick <dorinda.mccormick@ALSGlobal.com>

Cc: Thom Davis <tdavis@all4inc.com>; Matt Roberts <mroberts@all4inc.com>; Eric Libolt <elibolt@all4inc.com>;

**ATTACHMENT 2 -
ORIGINAL LABORATORY ANALYTICAL DATA REPORTS**



#100 8620 Holly Drive
Everett, WA 98208, USA
T: +1 425 356 2600
F: +1 425 356 2626

January 26, 2026

Ava Gempler
ALL4 LLC
228 E. Champion St
Suite 101
Bellingham, WA 98225

Work Order: **EV25110047**

Laboratory Results for: **HF Sinclair: SWMU55 & West LTF-C**

Dear Ava Gempler,

ALS Environmental received 7 sample(s) on Nov 12, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

//DM//

Generated By: DORINDA.MCCORMICK
Dorinda McCormick

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
Work Order: EV25110047

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
EV25110047-01	L90-13a	Water		10-Nov-2025 13:50	12-Nov-2025 11:33	☐
EV25110047-02	L90-16E-GB	Water		10-Nov-2025 13:10	12-Nov-2025 11:33	☐
EV25110047-03	MW-24	Water		11-Nov-2025 12:30	12-Nov-2025 11:33	☐
EV25110047-04	MW-46	Water		11-Nov-2025 10:10	12-Nov-2025 11:33	☐
EV25110047-05	ALL4-DUP-1	Water		10-Nov-2025 11:15	12-Nov-2025 11:33	☐
EV25110047-06	ALL4-FEB-1	Water		10-Nov-2025 12:15	12-Nov-2025 11:33	☐
EV25110047-07	Trip Blanks	Water		10-Nov-2025 13:50	12-Nov-2025 11:33	☐

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
Work Order: EV25110047

CASE NARRATIVE

GCMS Volatile Organics by Method EPA-8260

Batch ID: 235687

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method EPA-7470

Batch ID: R527292

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method EPA-6020

Batch ID: 235581

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Subcontracted by Method MISC

Batch ID: R526727,R527183

- EPH subcontracted to Alliance, VPH subcontracted to Onsite and PAH subcontracted to ALS Kelso. Please see attached for subcontracted analysis.
-

Client: ALL4 LLC
 Project: HF Sinclair: SWMU55 & West LTF-C
 Sample ID: L90-13a
 Collection Date: 10-Nov-2025 13:50

ANALYTICAL REPORT

WorkOrder:EV25110047
 Lab ID:EV25110047-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		Method:EPA-8260		Prep:SW5030 / 13-Nov-2025		Analyst: DLC
Benzene	ND		2.0	UG/L	1	13-Nov-2025 17:19
Ethylbenzene	ND		2.0	UG/L	1	13-Nov-2025 17:19
Hexane	ND		6.8	UG/L	1	13-Nov-2025 17:19
m,p-Xylene	ND		4.0	UG/L	1	13-Nov-2025 17:19
Methyl T-Butyl Ether	ND		2.0	UG/L	1	13-Nov-2025 17:19
o-Xylene	ND		2.0	UG/L	1	13-Nov-2025 17:19
Toluene	ND		2.0	UG/L	1	13-Nov-2025 17:19
<i>Surr: Toluene-d8</i>	98.9		80-120	%REC	1	13-Nov-2025 17:19
ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)		Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 12-Nov-2025		Analyst: EBS
Chromium	ND		2.0	UG/L	1	13-Nov-2025 12:18
Nickel	ND		2.0	UG/L	1	13-Nov-2025 12:18
Vanadium	ND		2.5	UG/L	1	13-Nov-2025 12:18
CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED)		Method:EPA-7470 (dissolved)		Prep:EPA 3010		Analyst: EBS
Mercury	ND		0.20	UG/L	1	26-Nov-2025 13:38
ENVIRONMENTAL ANALYSIS		Method:MISC		Analyst: CAS		
Miscellaneous Analysis	See Attached			UG/L	1	14-Nov-2025 10:36
Miscellaneous Analysis	See Attached			UG/L	1	24-Nov-2025 12:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: ALL4 LLC
 Project: HF Sinclair: SWMU55 & West LTF-C
 Sample ID: L90-16E-GB
 Collection Date: 10-Nov-2025 13:10

ANALYTICAL REPORT

WorkOrder:EV25110047
 Lab ID:EV25110047-02
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		Method:EPA-8260		Prep:SW5030 / 13-Nov-2025		Analyst: DLC
Benzene	ND		2.0	UG/L	1	13-Nov-2025 17:51
Ethylbenzene	ND		2.0	UG/L	1	13-Nov-2025 17:51
Hexane	ND		6.8	UG/L	1	13-Nov-2025 17:51
m,p-Xylene	ND		4.0	UG/L	1	13-Nov-2025 17:51
Methyl T-Butyl Ether	ND		2.0	UG/L	1	13-Nov-2025 17:51
o-Xylene	ND		2.0	UG/L	1	13-Nov-2025 17:51
Toluene	ND		2.0	UG/L	1	13-Nov-2025 17:51
Surr: Toluene-d8	99.6		80-120	%REC	1	13-Nov-2025 17:51
ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)		Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 12-Nov-2025		Analyst: EBS
Chromium	ND		2.0	UG/L	1	13-Nov-2025 12:21
Nickel	6.6		2.0	UG/L	1	13-Nov-2025 12:21
Vanadium	14		2.5	UG/L	1	13-Nov-2025 12:21
CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED)		Method:EPA-7470 (dissolved)		Prep:EPA 3010		Analyst: EBS
Mercury	ND		0.20	UG/L	1	26-Nov-2025 13:38
ENVIRONMENTAL ANALYSIS		Method:MISC				Analyst: CAS
Miscellaneous Analysis	See Attached			UG/L	1	14-Nov-2025 10:36
Miscellaneous Analysis	See Attached			UG/L	1	24-Nov-2025 12:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: ALL4 LLC
 Project: HF Sinclair: SWMU55 & West LTF-C
 Sample ID: MW-24
 Collection Date: 11-Nov-2025 12:30

ANALYTICAL REPORT

WorkOrder:EV25110047
 Lab ID:EV25110047-03
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		Method:EPA-8260		Prep:SW5030 / 13-Nov-2025		Analyst: DLC
Benzene	ND		2.0	UG/L	1	13-Nov-2025 18:24
Ethylbenzene	ND		2.0	UG/L	1	13-Nov-2025 18:24
Hexane	ND		6.8	UG/L	1	13-Nov-2025 18:24
m,p-Xylene	ND		4.0	UG/L	1	13-Nov-2025 18:24
Methyl T-Butyl Ether	ND		2.0	UG/L	1	13-Nov-2025 18:24
o-Xylene	ND		2.0	UG/L	1	13-Nov-2025 18:24
Toluene	ND		2.0	UG/L	1	13-Nov-2025 18:24
Surr: Toluene-d8	99.9		80-120	%REC	1	13-Nov-2025 18:24
ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)		Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 12-Nov-2025		Analyst: EBS
Chromium	ND		2.0	UG/L	1	13-Nov-2025 12:23
Nickel	37		2.0	UG/L	1	13-Nov-2025 12:23
Vanadium	ND		2.5	UG/L	1	13-Nov-2025 12:23
CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED)		Method:EPA-7470 (dissolved)		Prep:EPA 3010		Analyst: EBS
Mercury	ND		0.20	UG/L	1	26-Nov-2025 13:38
ENVIRONMENTAL ANALYSIS		Method:MISC		Analyst: CAS		
Miscellaneous Analysis	See Attached			UG/L	1	14-Nov-2025 10:36
Miscellaneous Analysis	See Attached			UG/L	1	24-Nov-2025 12:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: ALL4 LLC
 Project: HF Sinclair: SWMU55 & West LTF-C
 Sample ID: MW-46
 Collection Date: 11-Nov-2025 10:10

ANALYTICAL REPORT

WorkOrder:EV25110047
 Lab ID:EV25110047-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		Method:EPA-8260		Prep:SW5030 / 13-Nov-2025		Analyst: DLC
Benzene	ND		2.0	UG/L	1	13-Nov-2025 18:57
Ethylbenzene	ND		2.0	UG/L	1	13-Nov-2025 18:57
Hexane	ND		6.8	UG/L	1	13-Nov-2025 18:57
m,p-Xylene	ND		4.0	UG/L	1	13-Nov-2025 18:57
Methyl T-Butyl Ether	ND		2.0	UG/L	1	13-Nov-2025 18:57
o-Xylene	ND		2.0	UG/L	1	13-Nov-2025 18:57
Toluene	ND		2.0	UG/L	1	13-Nov-2025 18:57
Surr: Toluene-d8	98.9		80-120	%REC	1	13-Nov-2025 18:57
ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)		Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 12-Nov-2025		Analyst: EBS
Chromium	ND		2.0	UG/L	1	13-Nov-2025 12:25
Nickel	17		2.0	UG/L	1	13-Nov-2025 12:25
Vanadium	ND		2.5	UG/L	1	13-Nov-2025 12:25
CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED)		Method:EPA-7470 (dissolved)		Prep:EPA 3010		Analyst: EBS
Mercury	ND		0.20	UG/L	1	26-Nov-2025 13:38
ENVIRONMENTAL ANALYSIS		Method:MISC		Analyst: CAS		
Miscellaneous Analysis	See Attached			UG/L	1	14-Nov-2025 10:36
Miscellaneous Analysis	See Attached			UG/L	1	24-Nov-2025 12:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: ALL4 LLC
 Project: HF Sinclair: SWMU55 & West LTF-C
 Sample ID: ALL4-DUP-1
 Collection Date: 10-Nov-2025 11:15

ANALYTICAL REPORT

WorkOrder:EV25110047
 Lab ID:EV25110047-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		Method:EPA-8260		Prep:SW5030 / 13-Nov-2025		Analyst: DLC
Benzene	ND		2.0	UG/L	1	13-Nov-2025 19:30
Ethylbenzene	ND		2.0	UG/L	1	13-Nov-2025 19:30
Hexane	ND		6.8	UG/L	1	13-Nov-2025 19:30
m,p-Xylene	ND		4.0	UG/L	1	13-Nov-2025 19:30
Methyl T-Butyl Ether	ND		2.0	UG/L	1	13-Nov-2025 19:30
o-Xylene	ND		2.0	UG/L	1	13-Nov-2025 19:30
Toluene	ND		2.0	UG/L	1	13-Nov-2025 19:30
<i>Surr: Toluene-d8</i>	98.7		80-120	%REC	1	13-Nov-2025 19:30
ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)		Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 12-Nov-2025		Analyst: EBS
Chromium	ND		2.0	UG/L	1	13-Nov-2025 12:28
Nickel	ND		2.0	UG/L	1	13-Nov-2025 12:28
Vanadium	ND		2.5	UG/L	1	13-Nov-2025 12:28
CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED)		Method:EPA-7470 (dissolved)		Prep:EPA 3010		Analyst: EBS
Mercury	ND		0.20	UG/L	1	26-Nov-2025 13:38
ENVIRONMENTAL ANALYSIS		Method:MISC		Analyst: CAS		
Miscellaneous Analysis	See Attached			UG/L	1	14-Nov-2025 10:36
Miscellaneous Analysis	See Attached			UG/L	1	24-Nov-2025 12:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: ALL4 LLC
 Project: HF Sinclair: SWMU55 & West LTF-C
 Sample ID: ALL4-FEB-1
 Collection Date: 10-Nov-2025 12:15

ANALYTICAL REPORT

WorkOrder:EV25110047
 Lab ID:EV25110047-06
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		Method:EPA-8260		Prep:SW5030 / 13-Nov-2025		Analyst: DLC
Benzene	ND		2.0	UG/L	1	13-Nov-2025 20:03
Ethylbenzene	ND		2.0	UG/L	1	13-Nov-2025 20:03
Hexane	ND		6.8	UG/L	1	13-Nov-2025 20:03
m,p-Xylene	ND		4.0	UG/L	1	13-Nov-2025 20:03
Methyl T-Butyl Ether	ND		2.0	UG/L	1	13-Nov-2025 20:03
o-Xylene	ND		2.0	UG/L	1	13-Nov-2025 20:03
Toluene	ND		2.0	UG/L	1	13-Nov-2025 20:03
Surr: Toluene-d8	100.0		80-120	%REC	1	13-Nov-2025 20:03
ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)		Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 12-Nov-2025		Analyst: EBS
Chromium	ND		2.0	UG/L	1	13-Nov-2025 12:30
Nickel	ND		2.0	UG/L	1	13-Nov-2025 12:30
Vanadium	ND		2.5	UG/L	1	13-Nov-2025 12:30
CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED)		Method:EPA-7470 (dissolved)		Prep:EPA 3010		Analyst: EBS
Mercury	ND		0.20	UG/L	1	26-Nov-2025 13:38
ENVIRONMENTAL ANALYSIS		Method:MISC		Analyst: CAS		
Miscellaneous Analysis	See Attached			UG/L	1	14-Nov-2025 10:36
Miscellaneous Analysis	See Attached			UG/L	1	24-Nov-2025 12:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
Sample ID: Trip Blanks
Collection Date: 10-Nov-2025 13:50

ANALYTICAL REPORT

WorkOrder:EV25110047
Lab ID:EV25110047-07
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D	Method:EPA-8260			Prep:SW5030 / 13-Nov-2025		Analyst: DLC
Benzene	ND		2.0	UG/L	1	13-Nov-2025 13:27
Ethylbenzene	ND		2.0	UG/L	1	13-Nov-2025 13:27
Hexane	ND		6.8	UG/L	1	13-Nov-2025 13:27
m,p-Xylene	ND		4.0	UG/L	1	13-Nov-2025 13:27
Methyl T-Butyl Ether	ND		2.0	UG/L	1	13-Nov-2025 13:27
o-Xylene	ND		2.0	UG/L	1	13-Nov-2025 13:27
Toluene	ND		2.0	UG/L	1	13-Nov-2025 13:27
Surr: Toluene-d8	101		80-120	%REC	1	13-Nov-2025 13:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
WorkOrder: EV25110047

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 235581 (0)		Test Name : ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)			Matrix: Water	
EV25110047-01	L90-13a	10 Nov 2025 13:50		12 Nov 2025 10:00	13 Nov 2025 12:18	1
EV25110047-02	L90-16E-GB	10 Nov 2025 13:10		12 Nov 2025 10:00	13 Nov 2025 12:21	1
EV25110047-03	MW-24	11 Nov 2025 12:30		12 Nov 2025 10:00	13 Nov 2025 12:23	1
EV25110047-04	MW-46	11 Nov 2025 10:10		12 Nov 2025 10:00	13 Nov 2025 12:25	1
EV25110047-05	ALL4-DUP-1	10 Nov 2025 11:15		12 Nov 2025 10:00	13 Nov 2025 12:28	1
EV25110047-06	ALL4-FEB-1	10 Nov 2025 12:15		12 Nov 2025 10:00	13 Nov 2025 12:30	1
Batch ID: 235687 (0)		Test Name : VOLATILE ORGANICS BY EPA-8260D			Matrix: Water	
EV25110047-01	L90-13a	10 Nov 2025 13:50		13 Nov 2025 08:00	13 Nov 2025 17:19	1
EV25110047-02	L90-16E-GB	10 Nov 2025 13:10		13 Nov 2025 08:00	13 Nov 2025 17:51	1
EV25110047-03	MW-24	11 Nov 2025 12:30		13 Nov 2025 08:00	13 Nov 2025 18:24	1
EV25110047-04	MW-46	11 Nov 2025 10:10		13 Nov 2025 08:00	13 Nov 2025 18:57	1
EV25110047-05	ALL4-DUP-1	10 Nov 2025 11:15		13 Nov 2025 08:00	13 Nov 2025 19:30	1
EV25110047-06	ALL4-FEB-1	10 Nov 2025 12:15		13 Nov 2025 08:00	13 Nov 2025 20:03	1
EV25110047-07	Trip Blanks	10 Nov 2025 13:50		13 Nov 2025 08:00	13 Nov 2025 13:27	1
Batch ID: R526727 (0)		Test Name : ENVIRONMENTAL ANALYSIS			Matrix: Water	
EV25110047-01	L90-13a	10 Nov 2025 13:50			14 Nov 2025 10:36	1
EV25110047-02	L90-16E-GB	10 Nov 2025 13:10			14 Nov 2025 10:36	1
EV25110047-03	MW-24	11 Nov 2025 12:30			14 Nov 2025 10:36	1
EV25110047-04	MW-46	11 Nov 2025 10:10			14 Nov 2025 10:36	1
EV25110047-05	ALL4-DUP-1	10 Nov 2025 11:15			14 Nov 2025 10:36	1
EV25110047-06	ALL4-FEB-1	10 Nov 2025 12:15			14 Nov 2025 10:36	1
Batch ID: R527183 (0)		Test Name : ENVIRONMENTAL ANALYSIS			Matrix: Water	
EV25110047-01	L90-13a	10 Nov 2025 13:50			24 Nov 2025 12:56	1
EV25110047-02	L90-16E-GB	10 Nov 2025 13:10			24 Nov 2025 12:56	1
EV25110047-03	MW-24	11 Nov 2025 12:30			24 Nov 2025 12:56	1
EV25110047-04	MW-46	11 Nov 2025 10:10			24 Nov 2025 12:56	1
EV25110047-05	ALL4-DUP-1	10 Nov 2025 11:15			24 Nov 2025 12:56	1
EV25110047-06	ALL4-FEB-1	10 Nov 2025 12:15			24 Nov 2025 12:56	1
Batch ID: R527292 (0)		Test Name : CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED)			Matrix: Water	
EV25110047-01	L90-13a	10 Nov 2025 13:50			26 Nov 2025 13:38	1
EV25110047-02	L90-16E-GB	10 Nov 2025 13:10			26 Nov 2025 13:38	1
EV25110047-03	MW-24	11 Nov 2025 12:30			26 Nov 2025 13:38	1
EV25110047-04	MW-46	11 Nov 2025 10:10			26 Nov 2025 13:38	1
EV25110047-05	ALL4-DUP-1	10 Nov 2025 11:15			26 Nov 2025 13:38	1
EV25110047-06	ALL4-FEB-1	10 Nov 2025 12:15			26 Nov 2025 13:38	1

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
WorkOrder: EV25110047

QC BATCH REPORT

Batch ID: 235687 (0)		Instrument: VOC_123		Method: VOLATILE ORGANICS BY EPA-8260D					
MBLK	Sample ID: MB-111325W	Units: UG/L		Analysis Date: 13-Nov-2025 10:42					
Client ID:	Run ID: VOC_123_526520	SeqNo: 9148399		PrepDate: 13-Nov-2025		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Methyl T-Butyl Ether	ND	2.0							
Benzene	ND	2.0							
Toluene	ND	2.0							
Ethylbenzene	ND	2.0							
m,p-Xylene	ND	4.0							
o-Xylene	ND	2.0							
Hexane	ND	10							
Surr: Toluene-d8	5.057	0	5	0	101	80 - 120			

LCS	Sample ID: BS-111325W	Units: UG/L		Analysis Date: 13-Nov-2025 11:15					
Client ID:	Run ID: VOC_123_526520	SeqNo: 9148400		PrepDate: 13-Nov-2025		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Methyl T-Butyl Ether	10.49	2.0	10	0	105	50 - 150			
Benzene	10.19	2.0	10	0	102	74.7 - 143			
Toluene	10.88	2.0	10	0	109	71.7 - 139			
Ethylbenzene	10.63	2.0	10	0	106	50 - 150			
m,p-Xylene	20.96	4.0	20	0	105	50 - 150			
o-Xylene	10.51	2.0	10	0	105	50 - 150			
Hexane	24.23	10	20	0	121	50 - 150			
Surr: Toluene-d8	4.942	0	5	0	98.8	80 - 120			

LCSD	Sample ID: BSD-111325W	Units: UG/L		Analysis Date: 13-Nov-2025 11:48					
Client ID:	Run ID: VOC_123_526520	SeqNo: 9148401		PrepDate: 13-Nov-2025		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Methyl T-Butyl Ether	10.12	2.0	10	0	101	50 - 150	10.49	3.57	25
Benzene	9.408	2.0	10	0	94.1	74.7 - 143	10.19	7.95	20.5
Toluene	10.03	2.0	10	0	100	71.7 - 139	10.88	8.14	20.5
Ethylbenzene	10.01	2.0	10	0	100	50 - 150	10.63	6.04	25
m,p-Xylene	19.74	4.0	20	0	98.7	50 - 150	20.96	5.96	25
o-Xylene	9.972	2.0	10	0	99.7	50 - 150	10.51	5.28	25
Hexane	21.06	10	20	0	105	50 - 150	24.23	14	25
Surr: Toluene-d8	5.015	0	5	0	100	80 - 120	4.942	1.47	25

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
WorkOrder: EV25110047

QC BATCH REPORT**Batch ID:** 235687 (0)**Instrument:** VOC_123**Method:** VOLATILE ORGANICS BY EPA-8260D

The following samples were analyzed in this batch:

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
WorkOrder: EV25110047

QC BATCH REPORT

Batch ID: 235581 (0)		Instrument: ICPMS_130		Method: ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED) (DISSOLVED)					
MBLK	Sample ID: MB-111225W	Units: UG/L		Analysis Date: 13-Nov-2025 11:50					
Client ID:	Run ID: ICPMS_130_526298	SeqNo: 9143725		PrepDate: 12-Nov-2025		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chromium	ND	2.0							
Nickel	ND	2.0							
Vanadium	ND	2.5							

LCS	Sample ID: BS-111225W	Units: UG/L		Analysis Date: 13-Nov-2025 11:55					
Client ID:	Run ID: ICPMS_130_526298	SeqNo: 9143726		PrepDate: 12-Nov-2025		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chromium	131	2.0	125	0	105	86.2 - 107			
Nickel	125.4	2.0	125	0	100	85.4 - 109			
Vanadium	130.8	2.5	125	0	105	80.1 - 108			

LCSD	Sample ID: BSD-111225W	Units: UG/L		Analysis Date: 13-Nov-2025 11:57					
Client ID:	Run ID: ICPMS_130_526298	SeqNo: 9143727		PrepDate: 12-Nov-2025		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chromium	127	2.0	125	0	102	86.2 - 107	131	3.15	2.9 7
Nickel	121.1	2.0	125	0	96.9	85.4 - 109	125.4	3.44	3.2
Vanadium	125.6	2.5	125	0	100	80.1 - 108	130.8	4.04	3.1 7

The following samples were analyzed in this batch:

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
WorkOrder: EV25110047

QC BATCH REPORT

Batch ID: R527292 (0)		Instrument: CVHG_95		Method: CV MERCURY ANALYSIS BY EPA-245.1 (DISSOLVED) (DISSOLVED)					
MBLK	Sample ID: MBLK-R527292	Units: UG/L		Analysis Date: 26-Nov-2025 13:38					
Client ID:	Run ID: CVHG_95_527292	SeqNo: 9166859		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.20							
LCS	Sample ID: LCS-R527292	Units: UG/L		Analysis Date: 26-Nov-2025 13:38					
Client ID:	Run ID: CVHG_95_527292	SeqNo: 9166858		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	103	0.20	100	0	103	80.6 - 118			
LCSD	Sample ID: LCSD-R527292	Units: UG/L		Analysis Date: 26-Nov-2025 13:38					
Client ID:	Run ID: CVHG_95_527292	SeqNo: 9166857		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	104	0.20	100	0	104	80.6 - 118	103	0.966	7.94

The following samples were analyzed in this batch:

Client: ALL4 LLC
Project: HF Sinclair: SWMU55 & West LTF-C
WorkOrder: EV25110047

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Data Qualifiers

- * Value exceeds Regulatory Limit
- a Not accredited
- B Analyte detected in the associated Method Blank above the Reporting Limit
- E Value above quantitation range
- H Analyzed outside of Holding Time
- J Analyte detected below quantitation limit
- M Manually integrated, see raw data for justification
- n Not offered for accreditation
- ND Not Detected at the Reporting Limit
- O Sample amount is > 4 times amount spiked
- P Dual Column results percent difference > 40%
- R RPD above laboratory control limit
- S Spike Recovery outside laboratory control limits
- U Analyzed but not detected above the MDL/SDL

Sample Receipt Checklist

Work Order ID: EV25110047

Date/Time Received: **12-Nov-2025 11:33**

Client Name: ALL05-BELLINGHAM

Received by: **Alison Freese**

Completed By: <u>/S/ Dorinda McCormick</u>	12-Nov-2025 09:33	Reviewed by: <u>/S/ Dorinda McCormick</u>	26-Nov-2025 12:05
eSignature	Date/Time	eSignature	Date/Time

Matrices: **water**Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☒	
Temperature(s)/Thermometer(s):	6.1 c on ice 190		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Environmental

EV25110047

Date 11-12-25 Page 1 Of 1

PROJECT ID: <u>HFSmclair; SWMU 55 & West LTF-C</u>					ANALYSIS REQUESTED															OTHER (Specify)																		
REPORT TO COMPANY: <u>ALL4 LLC</u>																																						
PROJECT MANAGER: <u>Ava Gempeler</u>																																						
ADDRESS: <u>228 E Champion St #101</u>																																						
<u>Bellingham WA 98225</u>																																						
PHONE: <u>360-752-9571</u> P.O. #: <u>004531-0037.00</u>																																						
E-MAIL: <u>agempeler@all4inc.com</u>																																						
INVOICE TO COMPANY: <u>ALL4 LLC</u>																																						
ATTENTION: <u>FinOPs, FinOPs@all4inc.com</u>																																						
ADDRESS: <u>2393 Kimberlon Road</u>																																						
<u>PO Box 249, Kimberlon, PA 19442-0249</u>																																						
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	BTEX by EPA 8260	MTBE by EPA 8021	MTBE by EPA 8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify) <u>Cr, Ni, V (Diss.)</u>	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NWTPH-VPH	NWTPH-EPH	Hexane (8260)	Mercury (7471) (Diss.)	PAHs + Naphthalenes (8270 sim)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?		
1. <u>L90-13a</u>	<u>11/10/25</u>	<u>13:50</u>	<u>Ground water</u>	<u>1</u>				☒	☒															☒						☒	☒	☒	☒	☒	☒	☒	<u>8</u>	
2. <u>L90-16E-GB</u>	<u>11/10/25</u>	<u>13:10</u>		<u>2</u>				☒	☒															☒						☒	☒	☒	☒	☒	☒	☒	<u>8</u>	
3. <u>MW-24</u>	<u>11/11/25</u>	<u>12:30</u>		<u>3</u>				☒	☒															☒						☒	☒	☒	☒	☒	☒	☒	<u>8</u>	
4. <u>MW-46</u>	<u>11/11/25</u>	<u>10:10</u>		<u>4</u>				☒	☒															☒						☒	☒	☒	☒	☒	☒	☒	<u>8</u>	
5. <u>ALL4-DUP-1</u>	<u>11/10/25</u>	<u>11:15</u>		<u>5</u>				☒	☒															☒						☒	☒	☒	☒	☒	☒	☒	<u>8</u>	
6. <u>ALL4-FEB-1</u>	<u>11/10/25</u>	<u>12:15</u>		<u>6</u>				☒	☒															☒						☒	☒	☒	☒	☒	☒	☒	<u>8</u>	
7. <u>Trip Blanks</u>	<u>1</u>			<u>7</u>				☒	☒																					☒	☒	☒	☒	☒	☒	☒	<u>2</u>	
8. <u>(Filled by lab)</u>																																						
9.																																						
10.																																						

SPECIAL INSTRUCTIONS Nitric bottles are field filtered.

No VPH analysis for Trip Blanks, please just analyze Trip Blanks for BTEX, MTBE, hexane.

SIGNATURES (Name, Company, Date, Time):

TURNAROUND REQUESTED in Business Days*

1. Relinquished By: Ava Gempeler, ALL4, 11/12/25 11:33

Organic, Metals & Inorganic Analysis

OTHER:

6.1°C

Received By: AFREESE, ALS, 11/12/2025 @ 11:38

☒ Standard ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY

Specify: _____

2. Relinquished By: _____

Fuels & Hydrocarbon Analysis

Received By: _____

☒ Standard ☐ 3 ☐ 1 ☐ SAME DAY

*Turnaround request less than standard may incur Rush Charges



47
ALL4

SAMPLE RECEIVING CHECKLIST

Client: ALL4 ALS Job #: E25110047
Project: HF Sinclair; SWMY 55 & WEST LTF-C Login Date: 11/12/2025
Login Time: 1133
Login By: AF

Type of Shipping Container: ☒ Cooler
☐ Box
☐ Other: _____

Shipped Via: ☐ FedEx Ground
☐ FedEx Express
☐ UPS
☐ External Courier
☒ ALS Courier
☐ Hand Delivered

	Yes	No	N/A
Were custody seals on the outside of the shipping container?	☐	☐	☒
How Many? _____ Where? _____ Date: _____ Name: _____			
Was CoC filled out properly? (in ink, signed, dated, etc.)	☒	☐	☐
Did all bottles have labels?	☒	☐	☐
Did all bottle labels and tags agree with CoC?	☐	☒	☐
Were samples received within hold time?	☒	☐	☐
Did all bottles arrive in good condition?	☒	☐	☐
Was sufficient amount of sample sent for tests requested?	☒	☐	☐
Was correct preservation added to samples?	☒	☐	☐
Subcontract test containers added to subcontract bin? ---	☒	☐	☐
Wetchem test containers marked with applicable tests?	☐	☐	☒
Short hold time test containers delivered to analysts?	☐	☐	☒
Bubbles in sample number(s): <u>DOVE (11)</u> VOA vials checked for bubbles?	☒	☐	☐
5035A kits received?	☐	☐	☒
Low kits: _____ High kits: _____			
5035A kits returned?	☐	☐	☒

Temperature upon receipt: 6.1 °C On ice? ☒ Y ☐ N Thermometer ID: 190

Other discrepancies:

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____
Outcome of call:

ALS Everett

Dorinda McCormick
8620 Holly Drive, Ste 100
Everett, WA 98208

RE: EV25110047,

Work Order Number: 2511329

November 25, 2025

Attention Dorinda McCormick:

Alliance Technical Group, LLC - Seattle received 6 sample(s) on 11/13/2025 for the analyses presented in the following report.

Extractable Petroleum Hydrocarbons by NWEPH

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,



Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910



Revision v1

www.fremontanalytical.com

CLIENT: ALS Everett
Project: EV25110047
Work Order: 2511329

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2511329-001	L40-13a	11/10/2025 1:50 PM	11/13/2025 11:52 AM
2511329-002	L40-16E-GB	11/10/2025 1:10 PM	11/13/2025 11:52 AM
2511329-003	MW-2A	11/11/2025 12:30 PM	11/13/2025 11:52 AM
2511329-004	MW-46	11/11/2025 10:10 AM	11/13/2025 11:52 AM
2511329-005	ALL4-DUP-1	11/10/2025 11:15 AM	11/13/2025 11:52 AM
2511329-006	ALL4-FEB-1	11/10/2025 12:15 PM	11/13/2025 11:52 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: ALS Everett

Project: EV25110047

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Extractable Petroleum Hydrocarbons by NWEPH: The detections in the client samples for Aliphatic and Aromatic C8-C10 arose from laboratory contamination as seen in the batch Method Blank. We sincerely apologize for the inconvenience this causes.

1/26/2026: Rev1 includes additional Case Narrative Language per client request.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate

Client: ALS Everett
Project: EV25110047
Lab ID: 2511329-001
Client Sample ID: L40-13a

Collection Date: 11/10/2025 1:50:00 PM

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Extractable Petroleum Hydrocarbons by NWEPH</u>				Batch ID: 50044		Analyst: SH
Aliphatic Hydrocarbon (C8-C10)	125	78.1	B	µg/L	1	11/24/2025 1:18:21 PM
Aliphatic Hydrocarbon (C10-C12)	ND	39.0		µg/L	1	11/24/2025 1:18:21 PM
Aliphatic Hydrocarbon (C12-C16)	ND	39.0		µg/L	1	11/24/2025 1:18:21 PM
Aliphatic Hydrocarbon (C16-C21)	ND	39.0		µg/L	1	11/24/2025 1:18:21 PM
Aliphatic Hydrocarbon (C21-C34)	ND	39.0		µg/L	1	11/24/2025 1:18:21 PM
Aromatic Hydrocarbon (C8-C10)	281	78.1	B	µg/L	1	11/24/2025 12:56:45 PM
Aromatic Hydrocarbon (C10-C12)	ND	39.0		µg/L	1	11/24/2025 12:56:45 PM
Aromatic Hydrocarbon (C12-C16)	ND	39.0		µg/L	1	11/24/2025 12:56:45 PM
Aromatic Hydrocarbon (C16-C21)	ND	39.0		µg/L	1	11/24/2025 12:56:45 PM
Aromatic Hydrocarbon (C21-C34)	62.6	39.0		µg/L	1	11/24/2025 12:56:45 PM
Surr: 1-Chlorooctadecane	66.8	60 - 140		%Rec	1	11/24/2025 1:18:21 PM
Surr: o-Terphenyl	56.3	60 - 140	S	%Rec	1	11/24/2025 12:56:45 PM

NOTES:

S - Outlying surrogate recovery observed.

Client: ALS Everett

Collection Date: 11/10/2025 1:10:00 PM

Project: EV25110047

Lab ID: 2511329-002

Matrix: Groundwater

Client Sample ID: L40-16E-GB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 50044

Analyst: SH

Aliphatic Hydrocarbon (C8-C10)	127	78.8	B	µg/L	1	11/24/2025 1:40:02 PM
Aliphatic Hydrocarbon (C10-C12)	ND	39.4		µg/L	1	11/24/2025 1:40:02 PM
Aliphatic Hydrocarbon (C12-C16)	ND	39.4		µg/L	1	11/24/2025 1:40:02 PM
Aliphatic Hydrocarbon (C16-C21)	ND	39.4		µg/L	1	11/24/2025 1:40:02 PM
Aliphatic Hydrocarbon (C21-C34)	ND	39.4		µg/L	1	11/24/2025 1:40:02 PM
Aromatic Hydrocarbon (C8-C10)	266	78.8	B	µg/L	1	11/24/2025 1:18:21 PM
Aromatic Hydrocarbon (C10-C12)	ND	39.4		µg/L	1	11/24/2025 1:18:21 PM
Aromatic Hydrocarbon (C12-C16)	ND	39.4		µg/L	1	11/24/2025 1:18:21 PM
Aromatic Hydrocarbon (C16-C21)	ND	39.4		µg/L	1	11/24/2025 1:18:21 PM
Aromatic Hydrocarbon (C21-C34)	44.2	39.4		µg/L	1	11/24/2025 1:18:21 PM
Surr: 1-Chlorooctadecane	58.3	60 - 140	S	%Rec	1	11/24/2025 1:40:02 PM
Surr: o-Terphenyl	47.8	60 - 140	S	%Rec	1	11/24/2025 1:18:21 PM

NOTES:

S - Outlying surrogate recovery observed.

Analytical Report

Work Order: 2511329
Date Reported: 11/25/2025

Client: ALS Everett

Collection Date: 11/11/2025 12:30:00 PM

Project: EV25110047

Lab ID: 2511329-003

Matrix: Groundwater

Client Sample ID: MW-2A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 50044

Analyst: SH

Aliphatic Hydrocarbon (C8-C10)	129	79.2	B	µg/L	1	11/24/2025 2:01:36 PM
Aliphatic Hydrocarbon (C10-C12)	ND	39.6		µg/L	1	11/24/2025 2:01:36 PM
Aliphatic Hydrocarbon (C12-C16)	ND	39.6		µg/L	1	11/24/2025 2:01:36 PM
Aliphatic Hydrocarbon (C16-C21)	ND	39.6		µg/L	1	11/24/2025 2:01:36 PM
Aliphatic Hydrocarbon (C21-C34)	46.0	39.6		µg/L	1	11/24/2025 2:01:36 PM
Aromatic Hydrocarbon (C8-C10)	319	79.2	B	µg/L	1	11/24/2025 1:40:02 PM
Aromatic Hydrocarbon (C10-C12)	ND	39.6		µg/L	1	11/24/2025 1:40:02 PM
Aromatic Hydrocarbon (C12-C16)	ND	39.6		µg/L	1	11/24/2025 1:40:02 PM
Aromatic Hydrocarbon (C16-C21)	ND	39.6		µg/L	1	11/24/2025 1:40:02 PM
Aromatic Hydrocarbon (C21-C34)	ND	39.6		µg/L	1	11/24/2025 1:40:02 PM
Surr: 1-Chlorooctadecane	74.9	60 - 140		%Rec	1	11/24/2025 2:01:36 PM
Surr: o-Terphenyl	55.9	60 - 140	S	%Rec	1	11/24/2025 1:40:02 PM

NOTES:

S - Outlying surrogate recovery observed.

Client: ALS Everett
Project: EV25110047
Lab ID: 2511329-004
Client Sample ID: MW-46

Collection Date: 11/11/2025 10:10:00 AM

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 50044

Analyst: SH

Aliphatic Hydrocarbon (C8-C10)	126	78.0	B	µg/L	1	11/24/2025 2:23:12 PM
Aliphatic Hydrocarbon (C10-C12)	ND	39.0		µg/L	1	11/24/2025 2:23:12 PM
Aliphatic Hydrocarbon (C12-C16)	ND	39.0		µg/L	1	11/24/2025 2:23:12 PM
Aliphatic Hydrocarbon (C16-C21)	ND	39.0		µg/L	1	11/24/2025 2:23:12 PM
Aliphatic Hydrocarbon (C21-C34)	ND	39.0		µg/L	1	11/24/2025 2:23:12 PM
Aromatic Hydrocarbon (C8-C10)	419	78.0	B	µg/L	1	11/24/2025 2:01:36 PM
Aromatic Hydrocarbon (C10-C12)	ND	39.0		µg/L	1	11/24/2025 2:01:36 PM
Aromatic Hydrocarbon (C12-C16)	ND	39.0		µg/L	1	11/24/2025 2:01:36 PM
Aromatic Hydrocarbon (C16-C21)	ND	39.0		µg/L	1	11/24/2025 2:01:36 PM
Aromatic Hydrocarbon (C21-C34)	39.3	39.0		µg/L	1	11/24/2025 2:01:36 PM
Surr: 1-Chlorooctadecane	67.0	60 - 140		%Rec	1	11/24/2025 2:23:12 PM
Surr: o-Terphenyl	55.8	60 - 140	S	%Rec	1	11/24/2025 2:01:36 PM

NOTES:

S - Outlying surrogate recovery observed.

Client: ALS Everett

Collection Date: 11/10/2025 11:15:00 AM

Project: EV25110047

Lab ID: 2511329-005

Matrix: Groundwater

Client Sample ID: ALL4-DUP-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 50044

Analyst: SH

Aliphatic Hydrocarbon (C8-C10)	121	77.0	B	µg/L	1	11/24/2025 2:44:53 PM
Aliphatic Hydrocarbon (C10-C12)	ND	38.5		µg/L	1	11/24/2025 2:44:53 PM
Aliphatic Hydrocarbon (C12-C16)	ND	38.5		µg/L	1	11/24/2025 2:44:53 PM
Aliphatic Hydrocarbon (C16-C21)	ND	38.5		µg/L	1	11/24/2025 2:44:53 PM
Aliphatic Hydrocarbon (C21-C34)	ND	38.5		µg/L	1	11/24/2025 2:44:53 PM
Aromatic Hydrocarbon (C8-C10)	343	77.0	B	µg/L	1	11/24/2025 2:23:12 PM
Aromatic Hydrocarbon (C10-C12)	ND	38.5		µg/L	1	11/24/2025 2:23:12 PM
Aromatic Hydrocarbon (C12-C16)	ND	38.5		µg/L	1	11/24/2025 2:23:12 PM
Aromatic Hydrocarbon (C16-C21)	ND	38.5		µg/L	1	11/24/2025 2:23:12 PM
Aromatic Hydrocarbon (C21-C34)	ND	38.5		µg/L	1	11/24/2025 2:23:12 PM
Surr: 1-Chlorooctadecane	70.3	60 - 140		%Rec	1	11/24/2025 2:44:53 PM
Surr: o-Terphenyl	56.8	60 - 140	S	%Rec	1	11/24/2025 2:23:12 PM

NOTES:

S - Outlying surrogate recovery observed.

Client: ALS Everett

Collection Date: 11/10/2025 12:15:00 PM

Project: EV25110047

Lab ID: 2511329-006

Matrix: Groundwater

Client Sample ID: ALL4-FEB-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 50044

Analyst: SH

Aliphatic Hydrocarbon (C8-C10)	130	77.5	B	µg/L	1	11/24/2025 12:35:17 PM
Aliphatic Hydrocarbon (C10-C12)	ND	38.7		µg/L	1	11/24/2025 12:35:17 PM
Aliphatic Hydrocarbon (C12-C16)	ND	38.7		µg/L	1	11/24/2025 12:35:17 PM
Aliphatic Hydrocarbon (C16-C21)	ND	38.7		µg/L	1	11/24/2025 12:35:17 PM
Aliphatic Hydrocarbon (C21-C34)	ND	38.7		µg/L	1	11/24/2025 12:35:17 PM
Aromatic Hydrocarbon (C8-C10)	361	77.5	B	µg/L	1	11/24/2025 2:44:53 PM
Aromatic Hydrocarbon (C10-C12)	ND	38.7		µg/L	1	11/24/2025 2:44:53 PM
Aromatic Hydrocarbon (C12-C16)	ND	38.7		µg/L	1	11/24/2025 2:44:53 PM
Aromatic Hydrocarbon (C16-C21)	ND	38.7		µg/L	1	11/24/2025 2:44:53 PM
Aromatic Hydrocarbon (C21-C34)	ND	38.7		µg/L	1	11/24/2025 2:44:53 PM
Surr: 1-Chlorooctadecane	67.3	60 - 140		%Rec	1	11/24/2025 12:35:17 PM
Surr: o-Terphenyl	63.4	60 - 140		%Rec	1	11/24/2025 2:44:53 PM

Work Order: 2511329
CLIENT: ALS Everett
Project: EV25110047

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: MB-50044		SampType: MBLK			Units: µg/L		Prep Date: 11/14/2025			RunNo: 104946		
Client ID: MBLKW		Batch ID: 50044			Analysis Date: 11/24/2025					SeqNo: 2189844		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Aromatic Hydrocarbon (C8-C10)	336	80.0		0	0						
Aromatic Hydrocarbon (C10-C12)	ND	40.0		0	0						
Aromatic Hydrocarbon (C12-C16)	ND	40.0		0	0						
Aromatic Hydrocarbon (C16-C21)	ND	40.0		0	0						
Aromatic Hydrocarbon (C21-C34)	ND	40.0		0	0						
Surr: o-Terphenyl	309		500.0		61.8	60	140				

Sample ID: LCS-50044		SampType: LCS			Units: µg/L		Prep Date: 11/14/2025			RunNo: 104946		
Client ID: LCSW		Batch ID: 50044			Analysis Date: 11/24/2025					SeqNo: 2189845		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Aromatic Hydrocarbon (C8-C10)	596	80.0	1,250	0	47.6	6.48	78.2				B
Aromatic Hydrocarbon (C10-C12)	305	40.0	625.0	0	48.8	28.7	115				
Aromatic Hydrocarbon (C12-C16)	307	40.0	625.0	0	49.1	23.2	130				
Aromatic Hydrocarbon (C16-C21)	438	40.0	625.0	0	70.1	51.2	130				
Aromatic Hydrocarbon (C21-C34)	414	40.0	625.0	0	66.3	44.5	120				
Surr: o-Terphenyl	310		500.0		62.0	60	140				

Sample ID: LCSD-50044		SampType: LCSD			Units: µg/L		Prep Date: 11/14/2025			RunNo: 104946		
Client ID: LCSW02		Batch ID: 50044			Analysis Date: 11/24/2025					SeqNo: 2189846		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Aromatic Hydrocarbon (C8-C10)	566	80.0	1,250	0	45.3	6.48	78.2	595.5	5.04	20	B
Aromatic Hydrocarbon (C10-C12)	279	40.0	625.0	0	44.6	28.7	115	305.2	9.06	20	
Aromatic Hydrocarbon (C12-C16)	273	40.0	625.0	0	43.7	23.2	130	306.7	11.7	20	
Aromatic Hydrocarbon (C16-C21)	381	40.0	625.0	0	61.0	51.2	130	438.3	14.0	20	
Aromatic Hydrocarbon (C21-C34)	354	40.0	625.0	0	56.6	44.5	120	414.1	15.8	20	
Surr: o-Terphenyl	265		500.0		52.9	60	140		0		S

NOTES:

R - High RPD observed, spike recovery is within range.
 S - Outlying surrogate recovery observed.

Work Order: 2511329
CLIENT: ALS Everett
Project: EV25110047

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: MB-50044		SampType: MBLK			Units: µg/L		Prep Date: 11/14/2025			RunNo: 104942		
Client ID: MBLKW		Batch ID: 50044			Analysis Date: 11/24/2025			SeqNo: 2189806				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Aliphatic Hydrocarbon (C8-C10)	139	80.0		0	0						
Aliphatic Hydrocarbon (C10-C12)	ND	40.0		0	0						
Aliphatic Hydrocarbon (C12-C16)	ND	40.0		0	0						
Aliphatic Hydrocarbon (C16-C21)	ND	40.0		0	0						
Aliphatic Hydrocarbon (C21-C34)	ND	40.0		0	0						
Surr: 1-Chlorooctadecane	382		500.0		76.5	60	140				

Sample ID: LCS-50044		SampType: LCS			Units: µg/L		Prep Date: 11/14/2025			RunNo: 104942		
Client ID: LCSW		Batch ID: 50044			Analysis Date: 11/24/2025			SeqNo: 2189807				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Aliphatic Hydrocarbon (C8-C10)	395	80.0	1,250	0	31.6	5	77.8				B
Aliphatic Hydrocarbon (C10-C12)	311	40.0	625.0	0	49.8	15.7	84.5				
Aliphatic Hydrocarbon (C12-C16)	418	40.0	625.0	0	66.8	36.5	91.7				
Aliphatic Hydrocarbon (C16-C21)	471	40.0	625.0	0	75.3	32.6	111				
Aliphatic Hydrocarbon (C21-C34)	389	40.0	625.0	0	62.2	5.72	135				
Surr: 1-Chlorooctadecane	411		500.0		82.2	60	140				

Sample ID: LCSD-50044		SampType: LCSD			Units: µg/L		Prep Date: 11/14/2025			RunNo: 104942		
Client ID: LCSW02		Batch ID: 50044			Analysis Date: 11/24/2025			SeqNo: 2189809				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Aliphatic Hydrocarbon (C8-C10)	370	80.0	1,250	0	29.6	5	77.8	395.4	6.53	20	B
Aliphatic Hydrocarbon (C10-C12)	298	40.0	625.0	0	47.7	15.7	84.5	311.4	4.42	20	
Aliphatic Hydrocarbon (C12-C16)	394	40.0	625.0	0	63.1	36.5	91.7	417.7	5.72	20	
Aliphatic Hydrocarbon (C16-C21)	447	40.0	625.0	0	71.6	32.6	111	470.9	5.14	20	
Aliphatic Hydrocarbon (C21-C34)	427	40.0	625.0	0	68.3	5.72	135	388.9	9.26	20	
Surr: 1-Chlorooctadecane	372		500.0		74.4	60	140		0		

Client Name: **ALSE**
Logged by: **Morgan Laughlin**

Work Order Number: **2511329**
Date Received: **11/13/2025 11:52:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Present ☒
4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all items received at a temperature of >2°C to 6°C * Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☒ No ☐ NA ☐
HCL
10. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
11. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
12. Does paperwork match bottle labels? Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all hold times (except field parameters, pH e.g.) able to be met? Yes ☒ No ☐

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

ALS Job# (Laboratory Use Only)

Chain Of Custody/ Laboratory Analysis Request

Date 11/12 Page 1 of 1

2511329

Alliance

PROJECT ID: EV25110047				ANALYSIS REQUESTED												OTHER (Specify)																		
REPORT TO COMPANY: ALS Environmental																																		
PROJECT MANAGER: Dorinda McMorick																																		
ADDRESS: 8620 Holly Drive, Suite 100 Everett, WA 98208																																		
PHONE: (425) 356-2600 P.O. #: 32-EV25110047																																		
E-MAIL: US4Enviro.Everett@alsglobal.com																																		
INVOICE TO COMPANY: Please email invoice to:																																		
ATTENTION:																																		
ADDRESS: Asusa_AccountsPayable@alsglobal.com																																		
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?			
1. LAO-13a	11/10	13:50	Ground water																															
2. LAO-10E-GB	11/10	13:10																																
3. MW-2A	11/11	12:30																																
4. MW-4b	11/11	10:16																																
5. AUA-DUP-1	11/10	11:15																																
6. AUA-FEB-1	11/10	12:15																																
7.																																		
8.																																		
9.																																		
10.																																		

SPECIAL INSTRUCTIONS Please include EDP with results. Please send results by 11/26/25. Thank you

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Dorinda McMorick ALS 11/13/25 09:00 Organic, Metals & Inorganic Analysis

Received By: Nathan Heller ARS 11/13/25 11:52

2. Relinquished By:

Received By:

*Turnaround request less than standard may incur Rush Charges



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 21, 2025

Dorinda McCormick
ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208

Re: Analytical Data for Project EV25110047
Laboratory Reference No. 2511-159

Dear Dorinda:

Enclosed are the analytical results and associated quality control data for samples submitted on November 14 and 18, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



Date of Report: November 21, 2025
Samples Submitted: November 14 and 18, 2025
Laboratory Reference: 2511-159
Project: EV25110047

Case Narrative

Samples were collected on November 10 and 11, 2025 and received by the laboratory on November 14 and 18, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: November 21, 2025
 Samples Submitted: November 14 and 18, 2025
 Laboratory Reference: 2511-159
 Project: EV25110047

VOLATILE PETROLEUM HYDROCARBONS

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	L90-13a					
Laboratory ID:	11-159-01					
Aliphatic C5-C6	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C6-C8	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aliphatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Aromatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C12-C13	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aromatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Methyl t-butyl ether	ND	10	EPA 8021B	11-19-25	11-19-25	
Benzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Toluene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Ethylbenzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
m,p-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
o-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	80	62-122				



Date of Report: November 21, 2025
 Samples Submitted: November 14 and 18, 2025
 Laboratory Reference: 2511-159
 Project: EV25110047

VOLATILE PETROLEUM HYDROCARBONS

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	L90-16E-6B					
Laboratory ID:	11-159-02					
Aliphatic C5-C6	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C6-C8	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aliphatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Aromatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C12-C13	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aromatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Methyl t-butyl ether	ND	10	EPA 8021B	11-19-25	11-19-25	
Benzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Toluene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Ethylbenzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
m,p-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
o-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	84	62-122				



Date of Report: November 21, 2025
 Samples Submitted: November 14 and 18, 2025
 Laboratory Reference: 2511-159
 Project: EV25110047

VOLATILE PETROLEUM HYDROCARBONS

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-24					
Laboratory ID:	11-159-03					
Aliphatic C5-C6	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C6-C8	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aliphatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Aromatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C12-C13	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aromatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Methyl t-butyl ether	ND	10	EPA 8021B	11-19-25	11-19-25	
Benzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Toluene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Ethylbenzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
m,p-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
o-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	97	62-122				



Date of Report: November 21, 2025
 Samples Submitted: November 14 and 18, 2025
 Laboratory Reference: 2511-159
 Project: EV25110047

VOLATILE PETROLEUM HYDROCARBONS

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-46					
Laboratory ID:	11-159-04					
Aliphatic C5-C6	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C6-C8	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aliphatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Aromatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C12-C13	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aromatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Methyl t-butyl ether	ND	10	EPA 8021B	11-19-25	11-19-25	
Benzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Toluene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Ethylbenzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
m,p-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
o-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	87	62-122				



Date of Report: November 21, 2025
 Samples Submitted: November 14 and 18, 2025
 Laboratory Reference: 2511-159
 Project: EV25110047

VOLATILE PETROLEUM HYDROCARBONS

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	ALL4-DUP-1					
Laboratory ID:	11-159-05					
Aliphatic C5-C6	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C6-C8	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aliphatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Aromatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C12-C13	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aromatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Methyl t-butyl ether	ND	10	EPA 8021B	11-19-25	11-19-25	
Benzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Toluene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Ethylbenzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
m,p-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
o-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	62-122				



Date of Report: November 21, 2025
 Samples Submitted: November 14 and 18, 2025
 Laboratory Reference: 2511-159
 Project: EV25110047

VOLATILE PETROLEUM HYDROCARBONS

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	ALL4-FEB-1					
Laboratory ID:	11-159-06					
Aliphatic C5-C6	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C6-C8	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aliphatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Aromatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C12-C13	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aromatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Methyl t-butyl ether	ND	10	EPA 8021B	11-19-25	11-19-25	
Benzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Toluene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Ethylbenzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
m,p-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
o-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	79	62-122				



Date of Report: November 21, 2025
 Samples Submitted: November 14 and 18, 2025
 Laboratory Reference: 2511-159
 Project: EV25110047

VOLATILE PETROLEUM HYDROCARBONS QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1119W1					
Aliphatic C5-C6	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C6-C8	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aliphatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aliphatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Aromatic C8-C10	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C10-C12	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Aromatic C12-C13	ND	50	NWTPH-VPH	11-19-25	11-19-25	
Total Aromatic	NA		NWTPH-VPH	11-19-25	11-19-25	
Methyl t-butyl ether	ND	10	EPA 8021B	11-19-25	11-19-25	
Benzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Toluene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Ethylbenzene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
m,p-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
o-Xylene	ND	1.0	EPA 8021B	11-19-25	11-19-25	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	87	62-122				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1119W1									
Benzene	49.7	50.8	50.0	50.0	99	102	80-120	2	11	
Toluene	50.1	51.4	50.0	50.0	100	103	80-116	3	11	
Ethylbenzene	50.5	51.8	50.0	50.0	101	104	81-117	3	11	
m,p-Xylene	50.6	51.8	50.0	50.0	101	104	81-116	2	11	
o-Xylene	51.9	52.9	50.0	50.0	104	106	81-116	2	12	
Surrogate:										
Fluorobenzene					82	80	62-122			





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





11-159

8620 Holly Drive
Suite 100
Everett, WA 98208
T: +1 425 356 2600
F: +1 425 356 2626
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: Washington**COC ID:** 29841**SUBCONTRACT TO:**

OnSite Environmental Inc

14648 NE 95th St

Redmond, WA 98052

Phone: +1 425 883 3881**CUSTOMER
INFORMATION:**

Company: ALS Everett
Contact: Dorinda McCormick
Address: 8620 Holly Drive Suite 100
Phone: +1 425 356 2600
Email: dorinda.mccormick@alsglobal.com
**Alternate
Contact:** Deana Simonian
Email: deana.simonian@alsglobal.com

**INVOICE
INFORMATION:**

Company: ALS Everett
Contact: Accounts Payable
Address: 8620 Holly Drive Suite 100
Phone: +1 425 356 2600
Reference: EV25110047
TSR: Everett-House Accounts

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	EV25110047-01 VPH	L90-13a	Water	10 Nov 2025 13:50 26 Nov 2025
2.	EV25110047-02 VPH	L90-16E - 6B	Water	10 Nov 2025 13:10 26 Nov 2025
3.	EV25110047-03 VPH	MW-24	Water	11 Nov 2025 12:50 12:30 26 Nov 2025
4.	EV25110047-04 VPH	MW-46	Water	11 Nov 2025 10:10 26 Nov 2025
5.	EV25110047-05 VPH	ALL4-DUP-1	Water	10 Nov 2025 11:15 26 Nov 2025
6.	EV25110047-06 VPH	ALL4-FEB-1	Water	10 Nov 2025 12:15 26 Nov 2025

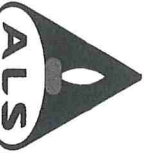
Comments: Please Email results and EDD to: USAEnviro.Everett@ALSGlobal.com
Please include EDD.
PO: 32-EV25110047.
Client is All4.

QC Level: STD (Standard)

RIGHT SOLUTIONS | RIGHT PARTNER

12 Nov 2025

Page 1 of 2



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
<http://www.alsglobal.com>

Chain Of Custody/ Laboratory Analysis Request

11-159

ALS Job# (Laboratory Use Only)

Onsite

Date 11/18 Page 1 Of 1

11-192

PROJECT ID: EVS110047					ANALYSIS REQUESTED															OTHER (Specify)																		
REPORT TO COMPANY: ALS Environmental																																						
PROJECT MANAGER: Dorinda Mcormick																																						
ADDRESS:																																						
PHONE:																																						
E-MAIL:																																						
INVOICE TO COMPANY:																																						
ATTENTION:																																						
ADDRESS:																																						
SAMPLE I.D.					DATE	TIME	TYPE	LAB#																														
1. ALA-DPP-1					11/10	11:33	#20	1																														
2.																																						
3.																																						
4.																																						
5.																																						
6.																																						
7.																																						
8.																																						
9.																																						
10.																																						

- NWTPH-HCID
- NWTPH-DX
- NWTPH-GX
- BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐
- MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐
- Halogenated Volatiles by EPA 8260
- Volatile Organic Compounds by EPA 8260
- EDB / EDC by EPA 8260 SIM (water)
- EDB / EDC by EPA 8260 (soil)
- Semivolatile Organic Compounds by EPA 8270
- Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM
- PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐
- Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐
- Metals Other (Specify)
- TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐

VPH

NUMBER OF CONTAINERS
 RECEIVED IN GOOD CONDITION?

SPECIAL INSTRUCTIONS **Include on Previous Work Order for EVS110047.**

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: **AFRESE, A.S. 11/18/2005 10:16:10**

Received By: **11/18/05 16:10**

2. Relinquished By:

Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

☐ 10 ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY

Fuels & Hydrocarbon Analysis

☐ 5 ☐ 3 ☐ 1 ☐ SAME DAY

OTHER:

Specify:

*Turnaround request less than standard may incur Rush Charges



November 19, 2025

Service Request No:K2511380

Dorinda McCormick
ALS Environmental - US
8620 Holly Drive, Suite 100
Everett, WA 98208

Laboratory Results for: EV25110047

Dear Dorinda,

Enclosed are the results of the sample(s) submitted to our laboratory November 12, 2025
For your reference, these analyses have been assigned our service request number **K2511380**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3301. You may also contact me via email at Naomi.Pedersen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Naomi Pedersen
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Received: 11/12/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Six water samples were received for analysis at ALS Environmental on 11/12/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

The lower control criterion was exceeded by 2% for Terphenyl-d14 in sample ALL4-FEB-1 due to suspected matrix interference. The low recovery of the surrogate in question indicated a potential slight low bias in this matrix. The data was flagged to indicate the issue. No further corrective action was taken.

Approved by



Date

11/19/2025



Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: ALS Environmental - US
Project: EV25110047

Service Request:K2511380

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
K2511380-001	L90-13a	11/10/2025	1350
K2511380-002	L90-16E	11/10/2025	1310
K2511380-003	MW-24	11/11/2025	1250
K2511380-004	MW-46	11/11/2025	1010
K2511380-005	ALL4-DUP-1	11/11/2025	1115
K2511380-006	ALL4-FEB-1	11/11/2025	1215



12511380
8620 Holly Drive
Suite 100
Everett, WA 98208
T: +1 425 356 2600
F: +1 425 356 2626
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: Washington

COC ID: 29840

SUBCONTRACT TO:

ALS Environmental Kelso
1317 S. 13th Avenue
Kelso, WA 98626

Phone: +1 360 501 3312

**CUSTOMER
INFORMATION:**

Company: ALS Everett
Contact: Dorinda McCormick
Address: 8620 Holly Drive Suite 100
Phone: +1 425 356 2600
Email: dorinda.mccormick@alsglobal.com
Alternate Contact: Deana Simonian
Email: deana.simonian@alsglobal.com

**INVOICE
INFORMATION:**

Company: ALS Everett
Contact: Accounts Payable
Address: 8620 Holly Drive Suite 100
Phone: +1 425 356 2600
Reference: EV25110047
TSR: Everett-House Accounts

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	EV25110047-01	L90-13a	Water	10 Nov 2025 13:50
	cPAHs and Naphthalenes by 8270 SIM			26 Nov 2025
2.	EV25110047-02	L90-16E	Water	10 Nov 2025 13:10
	cPAHs and Naphthalenes by 8270 SIM			26 Nov 2025
3.	EV25110047-03	MW-24	Water	11 Nov 2025 12:50
	cPAHs and Naphthalenes by 8270 SIM			26 Nov 2025
4.	EV25110047-04	MW-46	Water	11 Nov 2025 10:10
	cPAHs and Naphthalenes by 8270 SIM			26 Nov 2025
5.	EV25110047-05	ALL4-DUP-1	Water	11 Nov 2025 11:15
	cPAHs and Naphthalenes by 8270 SIM			26 Nov 2025
6.	EV25110047-06	ALL4-FEB-1	Water	11 Nov 2025 12:15
	cPAHs and Naphthalenes by 8270 SIM			26 Nov 2025

Comments: Please Email results and EDD to: USAEnviro.Everett@ALSGlobal.com
Please include EDD.
PO: 32-EV25110047
Client is All4.

QC Level: STD (Standard)

Outgoing temp: 11.3

RIGHT SOLUTIONS | RIGHT PARTNER

12 Nov 2025

Page 1 of 2

K2511380



Subcontract Chain of Custody

SAMPLING STATE: Washington

COC ID: 29840

Relinquished By: A. FREESE

Date/Time: 11/12/2025 @ 1600

Received By: 

Date/Time: 11-12-25 2/15

Cooler ID(s): _____

Temperature(s): _____

Cooler Receipt and Preservation Form

PM UP

Client Eversett Service Request K25 11380
 Received: 11-12-25 Opened: 11-13-25 By: AR Unloaded: 11-13-25 By: AR

1. Samples were received via? USPS Fed Ex UPS DHL PDX Courier Hand Delivered
 2. Samples were received in: (circle) Cooler Box Envelope Other NA
 3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp Indicate with "X"	PM Notified If out of temp	Tracking Number <u>NA</u>	Filled
<u>AR</u>	<u>4.9</u>	<u>IR-06</u>	<u>1 of 2</u>				
	<u>2.2</u>	<u>IR-06</u>	<u>2 of 2</u>				

4. Was a Temperature Blank present in cooler? NA Y N If yes, note the temperature in the appropriate column below:

If no, take the temperature of a representative sample bottle contained within the cooler; note in the column "Sample Temp":

5. Were samples received within the method specified temperature ranges?

NA Y N
NA Y N

If no, were they received on ice and same day as collected? If not, note the cooler # below and notify the PM.

If applicable, tissue samples were received: Frozen Partially Thawed Thawed

6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves

7. Were custody papers properly filled out (ink, signed, etc.)?

NA Y N

8. Were samples received in good condition (unbroken)

NA Y N

9. Were all sample labels complete (ie. analysis, preservation, etc.)?

NA Y N

10. Did all sample labels and tags agree with custody papers?

NA Y N

11. Were appropriate bottles/containers and volumes received for the tests indicated?

NA Y N

12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below

NA Y N

13. Were VOA vials received without headspace? Indicate in the table below.

NA Y N

14. Was C12/Res negative?

NA Y N

15. Were samples received within method specified time limit? If not, note the error below and notify the PM.

NA Y N

16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head- space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____



Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value over the calibration range.
- J The result is an estimated value between the MDL and the MRL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjllabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdwlabservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: ALS Environmental - US
Project: EV25110047/

Service Request: K2511380

Sample Name: L90-13a
Lab Code: K2511380-001
Sample Matrix: Water

Date Collected: 11/10/25**Date Received:** 11/12/25

Analysis Method
8270E

Extracted/Digested By
EBRUNO

Analyzed By
EBRUNO

Sample Name: L90-16E
Lab Code: K2511380-002
Sample Matrix: Water

Date Collected: 11/10/25**Date Received:** 11/12/25

Analysis Method
8270E

Extracted/Digested By
EBRUNO

Analyzed By
EBRUNO

Sample Name: MW-24
Lab Code: K2511380-003
Sample Matrix: Water

Date Collected: 11/11/25**Date Received:** 11/12/25

Analysis Method
8270E

Extracted/Digested By
EBRUNO

Analyzed By
EBRUNO

Sample Name: MW-46
Lab Code: K2511380-004
Sample Matrix: Water

Date Collected: 11/11/25**Date Received:** 11/12/25

Analysis Method
8270E

Extracted/Digested By
EBRUNO

Analyzed By
EBRUNO

Sample Name: ALL4-DUP-1
Lab Code: K2511380-005
Sample Matrix: Water

Date Collected: 11/11/25**Date Received:** 11/12/25

Analysis Method
8270E

Extracted/Digested By
EBRUNO

Analyzed By
EBRUNO

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: ALS Environmental - US
Project: EV25110047/

Service Request: K2511380

Sample Name: ALL4-FEB-1
Lab Code: K2511380-006
Sample Matrix: Water

Date Collected: 11/11/25
Date Received: 11/12/25

Analysis Method
8270E

Extracted/Digested By
EBRUNO

Analyzed By
EBRUNO



Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Collected: 11/10/25 13:50
Date Received: 11/12/25 21:15

Sample Name: L90-13a
Lab Code: K2511380-001

Units: ug/L
Basis: NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	11/14/25 10:36	11/13/25	
2-Methylnaphthalene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Benz(a)anthracene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Benzo(a)pyrene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Benzo(b)fluoranthene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Benzo(k)fluoranthene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Chrysene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Dibenz(a,h)anthracene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Indeno(1,2,3-cd)pyrene	ND U	0.020	1	11/14/25 10:36	11/13/25	
Naphthalene	ND U	0.020	1	11/14/25 10:36	11/13/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	89	42 - 131	11/14/25 10:36	
Terphenyl-d14	77	32 - 129	11/14/25 10:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Collected: 11/10/25 13:10
Date Received: 11/12/25 21:15

Sample Name: L90-16E
Lab Code: K2511380-002

Units: ug/L
Basis: NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	11/17/25 17:50	11/13/25	
2-Methylnaphthalene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Benz(a)anthracene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Benzo(a)pyrene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Benzo(b)fluoranthene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Benzo(k)fluoranthene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Chrysene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Dibenz(a,h)anthracene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Indeno(1,2,3-cd)pyrene	ND U	0.020	1	11/17/25 17:50	11/13/25	
Naphthalene	ND U	0.020	1	11/17/25 17:50	11/13/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	61	42 - 131	11/17/25 17:50	
Terphenyl-d14	55	32 - 129	11/17/25 17:50	

ALS Group USA, Corp.
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Analytical Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Collected: 11/11/25 12:50
Date Received: 11/12/25 21:15

Sample Name: MW-24
Lab Code: K2511380-003

Units: ug/L
Basis: NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	11/14/25 11:30	11/13/25	
2-Methylnaphthalene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Benz(a)anthracene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Benzo(a)pyrene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Benzo(b)fluoranthene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Benzo(k)fluoranthene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Chrysene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Dibenz(a,h)anthracene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Indeno(1,2,3-cd)pyrene	ND U	0.020	1	11/14/25 11:30	11/13/25	
Naphthalene	ND U	0.020	1	11/14/25 11:30	11/13/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	63	42 - 131	11/14/25 11:30	
Terphenyl-d14	56	32 - 129	11/14/25 11:30	

ALS Group USA, Corp.
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Analytical Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Collected: 11/11/25 10:10
Date Received: 11/12/25 21:15

Sample Name: MW-46
Lab Code: K2511380-004

Units: ug/L
Basis: NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	11/14/25 11:57	11/13/25	
2-Methylnaphthalene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Benz(a)anthracene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Benzo(a)pyrene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Benzo(b)fluoranthene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Benzo(k)fluoranthene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Chrysene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Dibenz(a,h)anthracene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Indeno(1,2,3-cd)pyrene	ND U	0.020	1	11/14/25 11:57	11/13/25	
Naphthalene	ND U	0.020	1	11/14/25 11:57	11/13/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	100	42 - 131	11/14/25 11:57	
Terphenyl-d14	81	32 - 129	11/14/25 11:57	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Collected: 11/11/25 11:15
Date Received: 11/12/25 21:15

Sample Name: ALL4-DUP-1
Lab Code: K2511380-005

Units: ug/L
Basis: NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	11/14/25 12:24	11/13/25	
2-Methylnaphthalene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Benz(a)anthracene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Benzo(a)pyrene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Benzo(b)fluoranthene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Benzo(k)fluoranthene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Chrysene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Dibenz(a,h)anthracene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Indeno(1,2,3-cd)pyrene	ND U	0.020	1	11/14/25 12:24	11/13/25	
Naphthalene	ND U	0.020	1	11/14/25 12:24	11/13/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	49	42 - 131	11/14/25 12:24	
Terphenyl-d14	46	32 - 129	11/14/25 12:24	

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Analytical Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Collected: 11/11/25 12:15
Date Received: 11/12/25 21:15

Sample Name: ALL4-FEB-1
Lab Code: K2511380-006

Units: ug/L
Basis: NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	11/14/25 12:51	11/13/25	
2-Methylnaphthalene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Benz(a)anthracene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Benzo(a)pyrene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Benzo(b)fluoranthene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Benzo(k)fluoranthene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Chrysene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Dibenz(a,h)anthracene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Indeno(1,2,3-cd)pyrene	ND U	0.020	1	11/14/25 12:51	11/13/25	
Naphthalene	ND U	0.020	1	11/14/25 12:51	11/13/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	47	42 - 131	11/14/25 12:51	
Terphenyl-d14	30	32 - 129	11/14/25 12:51	*



QC Summary Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380

SURROGATE RECOVERY SUMMARY
Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Extraction Method: EPA 3511

Sample Name	Lab Code	Fluorene-d10	Terphenyl-d14
		42 - 131	32 - 129
L90-13a	K2511380-001	89	77
L90-16E	K2511380-002	61	55
MW-24	K2511380-003	63	56
MW-46	K2511380-004	100	81
ALL4-DUP-1	K2511380-005	49	46
ALL4-FEB-1	K2511380-006	47	30 *
Method Blank	KQ2520120-01	89	59
Lab Control Sample	KQ2520120-02	107	88
Duplicate Lab Control Sample	KQ2520120-03	88	68

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Analytical Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: KQ2520120-01

Units: ug/L
Basis: NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	11/14/25 08:47	11/13/25	
2-Methylnaphthalene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Benz(a)anthracene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Benzo(a)pyrene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Benzo(b)fluoranthene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Benzo(k)fluoranthene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Chrysene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Dibenz(a,h)anthracene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Indeno(1,2,3-cd)pyrene	ND U	0.020	1	11/14/25 08:47	11/13/25	
Naphthalene	ND U	0.020	1	11/14/25 08:47	11/13/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	89	42 - 131	11/14/25 08:47	
Terphenyl-d14	59	32 - 129	11/14/25 08:47	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: EV25110047
Sample Matrix: Water

Service Request: K2511380
Date Analyzed: 11/14/25
Date Extracted: 11/13/25

Duplicate Lab Control Sample Summary
Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270E
Prep Method: EPA 3511

Units: ug/L
Basis: NA
Analysis Lot: 901098

Lab Control Sample
KQ2520120-02

Duplicate Lab Control Sample
KQ2520120-03

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	2.39	2.78	86	2.34	2.78	84	47-119	2	30
2-Methylnaphthalene	2.33	2.78	84	2.30	2.78	83	48-120	1	30
Benz(a)anthracene	3.13	2.78	113	3.12	2.78	112	74-124	<1	30
Benzo(a)pyrene	2.85	2.78	103	2.82	2.78	101	75-131	1	30
Benzo(b)fluoranthene	2.63	2.78	95	2.68	2.78	96	73-136	2	30
Benzo(k)fluoranthene	2.39	2.78	86	2.36	2.78	85	74-134	1	30
Chrysene	2.80	2.78	101	2.74	2.78	99	74-132	2	30
Dibenz(a,h)anthracene	2.61	2.78	94	2.53	2.78	91	59-135	3	30
Indeno(1,2,3-cd)pyrene	2.91	2.78	105	2.85	2.78	103	63-136	2	30
Naphthalene	2.33	2.78	84	2.29	2.78	82	52-115	2	30