December 17, 2025

Mr. TK McWhertor
RJN Marginal Way, LLC
4100 Newport Place Drive Suite 700
Newport Beach California 92660

Subject: Results of Groundwater Sampling at 5901 East Marginal Way South Seattle, Washington 98134; Facility ID: 2226 Cleanup ID: 5070

Dear Mr. McWhertor,

Hazard Management Consulting, Inc. (HMC), has prepared this letter report for RJN Marginal Way, LLC to summarize the field work and analytical results of groundwater sampling which took place on 17 June 2025 at the property located at 5901 East Marginal Way South in Seattle, Washington (the Site; Figure 1). The work was conducted as a component of your due diligence evaluation of the Site as part of your recent purchase of the Site.

BACKGROUND

Historical records obtained from Washington State Department of Ecology (DOE) indicate that the Site has an open case with the DOE and soil and groundwater at the Site were impacted with diesel- and oil-range organics (DRO and ORO, respectively). The file is named under Longview Fibre Paper & Packaging Inc.; Facility ID: 2226, Cleanup ID: 5070. The impacts are attributable to a release from former underground storage tanks (USTs) and a boiler fuel recirculation pipe. The USTs were removed in 1987, and one tank was determined to have leaked. A subsequent investigation determined that the recirculation pipe connected to one of the USTs was not removed or capped during the 1987 UST removal and released an estimated 5,000 to 7,800 gallons of fuel between 1987 and 1991 (Ecology, 2024). In addition, the Site is located downgradient from a known multi-party release of volatile organic compounds (VOCs) to groundwater referred to as the “West of Fourth” cleanup site.

The source of the contamination was from USTs that have been removed from the Site. Approximately 1,000 tons of impacted soil were removed in 1992 as well as an estimated 4,200 gallons of diesel fuel which was followed by several years of groundwater monitoring up until

2012. Since 2012, no groundwater data has been made available, and the case remains open as the Department of Ecology's cleanup levels have not been met. The groundwater monitoring data last shows concentrations of 820 to 1800 micrograms per liter (μg/l) of diesel and residual oil concentrations. Based on email correspondence from 2007, the Department of Ecology indicated that if four sequential quarterly monitoring events reported petroleum hydrocarbon data below the cleanup level of 500 μg/l, the case would be considered closed and also invited Longview Fibre Company to enter into the department's Voluntary Cleanup Program (VCP). Ecology indicated that this was the path toward a No Further Action (NFA) and could close the Site with contamination in place with a deed restriction. It does not appear that Longview entered into the VCP nor was quarterly groundwater monitoring ever established. HMC is unaware of any further groundwater monitoring since 2012. HMC recommended that groundwater samples be collected to obtain an understanding of current conditions.

ASSESSMENT ACTIVITIES

The objectives of the field activities were to evaluate the current concentrations of petroleum hydrocarbons in groundwater from this former UST release. As the Site is located downgradient from the "West of Fourth" site, the samples were also analyzed for VOCs and SVOCs. Data collected as part of the ESA were compared to the following Ecology MTCA A CULs for gasoline-range organics (GRO), DRO, and ORO.

HMC used a new, disposable bailer to collect grab groundwater samples from existing monitoring wells MW2 and MW3. The approximate locations of wells MW2 and MW3 are shown on Figure 2 and groundwater historically was mapped as flowing from MW2 towards MW3 discharging into the Duwamish waterway. Two grab groundwater samples were collected and submitted to ALS Environmental (ALS), a State-certified laboratory in Everett, Washington, for analysis of the following:

- GRO by Method NWTPH-Gx.
- DRO and ORO by NWTPH-Dx.
- VOCs by U.S. Environmental Protection Agency (EPA) Method 8260D.
- SVOCs by EPA Method 8270D.

The results of the analysis indicate that concentrations of gasoline related hydrocarbons and diesel range hydrocarbons were reported at concentrations that ranged from:

- GRO ND to 2,700 micrograms per liter
- DRO 2,700 to 71,000 micrograms per liter.

Detectable, but low concentrations of VOCs, were detected in the upgradient samples though were reported as non detectable in the sample from the downgradient well. This suggests that some migration onto the Site from the documented upgradient sources has occurred. Detectable concentrations of chemicals of concern (COCs) in comparison to CULs are summarized in Table 1. Laboratory analytical reports and chain-of-custody forms are included in Attachment A.

CONCLUSIONS

The results of the sampling indicate that the concentrations of GRO and DRO have shown an increase since the last round of sampling.

RECOMMENDATIONS

Given the findings of this investigation, we recommend that the data be transmitted to the DOE and discussions held on what additional work will be required to obtain closure for the Site.

We thank you for the opportunity to be of service. If there are any questions or comments, please feel free to contact me at your convenience.

Mark Cousineau
Principal

Troy Taylor
Project Scientist

REFERENCES

AMEC Environment & Infrastructure, Inc., 2012. "Groundwater Sampling Report, Seattle, Washington," prepared for Longview Fibre, Inc., 21 December.

Washington Department of Ecology, 2024. "Longview Fibre Paper & Packaging Inc, SHARP Report," 3 July.

HMC, Phase I Environmental Site Assessment 5901 East Marginal Way South
Seattle, Washington 98134, April 4, 2025

ATTACHMENTS

Table 1 – Laboratory Results of Groundwater Sampling – Petroleum Hydrocarbons, VOCs, and SVOCs

Figure 1 – Site Location Map
Figure 2 – Phase II ESA Sampling Locations

Attachment A – Laboratory Reports

TABLE 1 - LABORATORY RESULTS OF GROUNDWATER SAMPLING - PETROLEUM HYDROCARBONS, VOCS, AND SVOCS													
		Petroleum Hydrocarbons (µg/L)			VOCs (µg/L)						SVOCs (µg/L)	
Sample ID	Date Sampled	GRO	DRO	ORO	1,1-Dichloro-ethane	1,1-Dichloro-ethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Naphthalene	1-Methyl-naphthalene
MW2	6/17/25	ND<50	300	ND<250	3.0	7.9	150	9.5	76	36	ND<0.030	0.50
MW3	6/17/25	2,700	71,000	ND<12,000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.20	0.054	ND<0.040
Washington State Department of Ecology Cleanup Levels												
Ecology Method A CUL		**1,000**	**500**	**500**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Ecology Method C CUL		**--**	**--**	**--**	**77**	**880**	**35**	**350**	**8.8**	**0.29**	**350**	**8.6**

Notes:

Sample ID - Sample identification.

µg/L - Micrograms per liter.

Ecology - Washington State Department of Ecology.

EPA - United States Environmental Protection Agency.

GRO - Gasoline range organics, analyzed by Method NWTPH-GX.

DRO - Diesel range organics, analyzed by Method NWTPH-DX.

ORO - Oil range organics, analyzed by Method NWTPH-DX.

VOCs - Volatile organic compounds, analyzed by EPA Method 8260D.

SVOCs - Semivolatile organic compounds, analyzed by EPA Method 8270D.

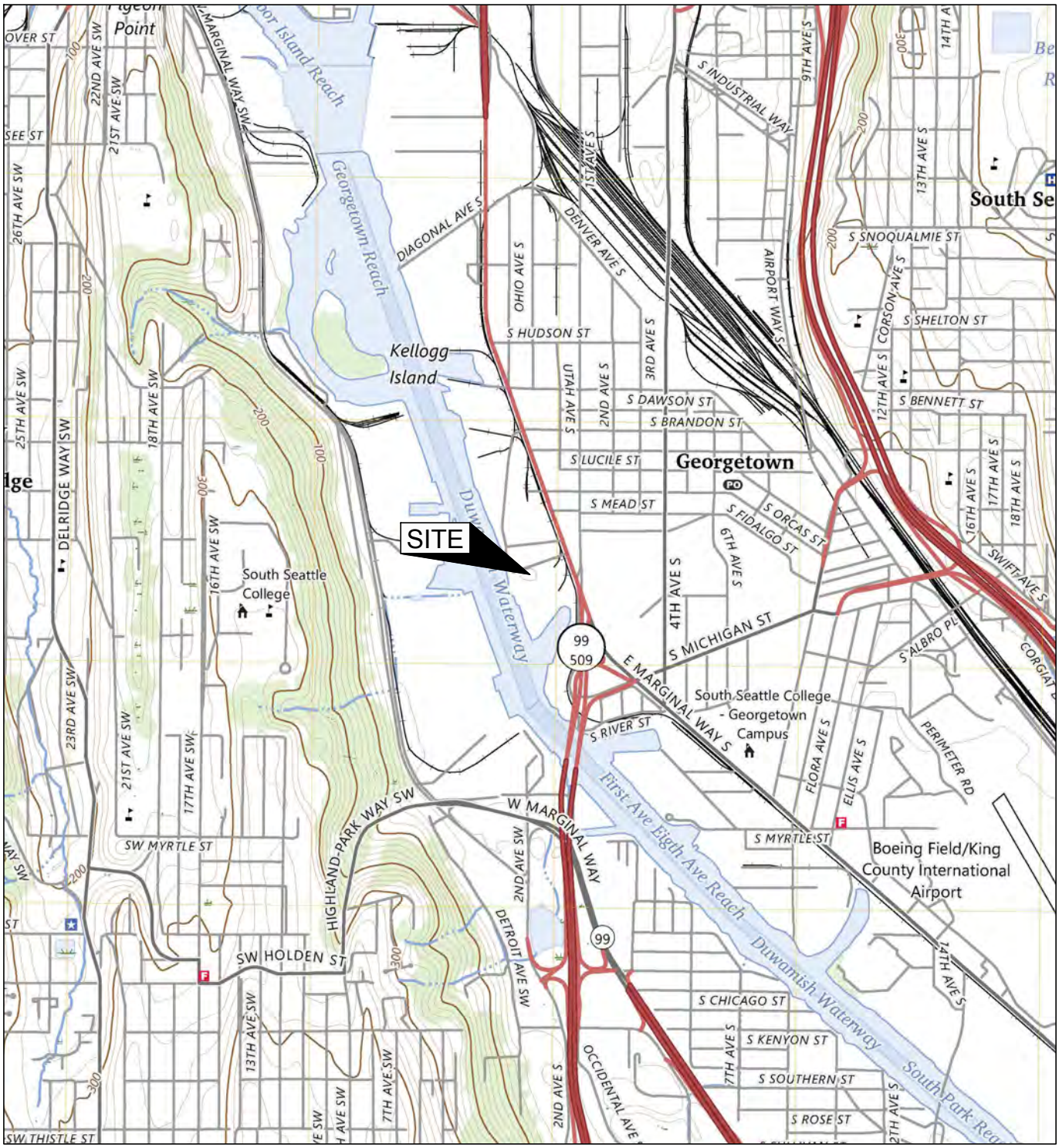
ND - No detectable concentrations above the laboratory reporting limit.

Ecology Method A CUL - Ecology Model Toxic Control Act (MTCA) Method A Cleanup Levels (CULs) for petroleum hydrocarbons in groundwater.

Ecology Method C CUL - Ecology MTCA Method C CULs for VOCs and SVOCs in groundwater at industrial properties. CUL determined by using the lower value between the Method C carcinogenic and noncarcinogenic levels.

"--" - Not established or not applicable.

Highlighted data indicate concentrations exceeding CULs.



Reference:
US.G.S. 7.5-Minute Topographic Map,
Seattle South, 2023.

HMC
HAZARD MANAGEMENT CONSULTING

FIGURE 1
SITE LOCATION MAP

5901 EAST MARGINAL WAY SOUTH
SEATTLE, WASHINGTON

71MWS-SL.dwg


MW2 (Well 1 - AMEC)
MW3 (Well 2 - AMEC)
S Fidalgo St
S Fidalgo St
S Fidalgo St
E Marginal Way S
Limited ESA
5901 E. Marginal Way S.
Seattle, WA 98134
HMC
HAZARD MANAGEMENT CONSULTING
N
300 ft

ATTACHMENT A

Laboratory Reports

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

June 30, 2025

Scott Stromberg
Orion Environmental
2955 Redondo Ave
Long Beach, CA 90806

Work Order: **EV25060072**

Laboratory Results for: **HMC MARGINAL WAY SEATTLE**

Dear Scott Stromberg,

ALS Environmental received 2 sample(s) on Jun 17, 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,

//SR//

Generated By: PRESTON.MEDLEY
Shawn Robinson
Project Manager

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
Work Order: EV25060072

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
EV25060072-01	MW2	Water		17-Jun-2025 10:15	17-Jun-2025 11:55	☐
EV25060072-02	MW3	Water		17-Jun-2025 09:40	17-Jun-2025 11:55	☐

Client: Orion Environmental **CASE NARRATIVE**
Project: HMC MARGINAL WAY SEATTLE
Work Order: EV25060072

GC Semivolatile Organics by Method NWTPH-DX

Batch ID: 229551

Sample ID: MW2 (EV25060072-01)

• Chromatogram indicates that it is likely the sample contains an unidentified diesel range product.

Sample ID: MW3 (EV25060072-02)

• Chromatogram indicates that it is likely the sample contains weathered diesel.

GC Volatile Organics by Method NWTPH-GX

Batch ID: 229427

Sample ID: MW3 (EV25060072-02)

• Chromatogram indicates that it is likely the sample contains an unidentified gasoline range product;

Gasoline range product results biased high due to semivolatile range product overlap.

GCMS Volatile Organics by Method EPA-8260

Batch ID: 229604,229639

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

Subcontracted by Method MISC

Batch ID: R516590

• Naphthalenes analysis was subcontracted to ALS Environmental, Kelso, WA. Please see that attached from ALS - Kelso.

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
Sample ID: MW2
Collection Date: 17-Jun-2025 10:15

ANALYTICAL REPORT
WorkOrder:EV25060072
Lab ID:EV25060072-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		**Method:EPA-8260**		Prep:SW5030 / 23-Jun-2025		Analyst: DLC
Chloromethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Dichlorodifluoromethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Vinyl Chloride	**36**		**0.20**	**UG/L**	1	24-Jun-2025 00:38
Bromomethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Chloroethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Trichlorofluoromethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Acetone	ND		25	UG/L	1	24-Jun-2025 00:38
Carbon Disulfide	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,1-Dichloroethene	**7.9**		**2.0**	**UG/L**	1	24-Jun-2025 00:38
Methylene Chloride	ND		5.0	UG/L	1	24-Jun-2025 00:38
Acrylonitrile	ND		10	UG/L	1	24-Jun-2025 00:38
Methyl T-Butyl Ether	ND		2.0	UG/L	1	24-Jun-2025 00:38
Trans-1,2-Dichloroethene	**9.5**		**2.0**	**UG/L**	1	24-Jun-2025 00:38
1,1-Dichloroethane	**3.0**		**2.0**	**UG/L**	1	24-Jun-2025 00:38
2-Butanone	ND		10	UG/L	1	24-Jun-2025 00:38
Cis-1,2-Dichloroethene	**150**		**20**	**UG/L**	10	24-Jun-2025 14:04
2,2-Dichloropropane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Bromochloromethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Chloroform	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,1,1-Trichloroethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,1-Dichloropropene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Carbon Tetrachloride	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,2-Dichloroethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Benzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Trichloroethene	**76**		**20**	**UG/L**	10	24-Jun-2025 14:04
1,2-Dichloropropane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Dibromomethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Bromodichloromethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Trans-1,3-Dichloropropene	ND		2.0	UG/L	1	24-Jun-2025 00:38
4-Methyl-2-Pentanone	ND		10	UG/L	1	24-Jun-2025 00:38
Toluene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Cis-1,3-Dichloropropene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,1,2-Trichloroethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
2-Hexanone	ND		10	UG/L	1	24-Jun-2025 00:38
1,3-Dichloropropane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Tetrachloroethylene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Dibromochloromethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,2-Dibromoethane	ND		0.010	UG/L	1	24-Jun-2025 00:38
Chlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38

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

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
Sample ID: MW2
Collection Date: 17-Jun-2025 10:15

ANALYTICAL REPORT
WorkOrder:EV25060072
Lab ID:EV25060072-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		**Method:EPA-8260**		Prep:SW5030 / 23-Jun-2025		Analyst: DLC
1,1,1,2-Tetrachloroethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Ethylbenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
m,p-Xylene	ND		4.0	UG/L	1	24-Jun-2025 00:38
Styrene	ND		2.0	UG/L	1	24-Jun-2025 00:38
o-Xylene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Bromoform	ND		2.0	UG/L	1	24-Jun-2025 00:38
Isopropylbenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,1,2,2-Tetrachloroethane	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,2,3-Trichloropropane	ND		2.0	UG/L	1	24-Jun-2025 00:38
Bromobenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
N-Propyl Benzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
2-Chlorotoluene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,3,5-Trimethylbenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
4-Chlorotoluene	ND		2.0	UG/L	1	24-Jun-2025 00:38
T-Butyl Benzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,2,4-Trimethylbenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
S-Butyl Benzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
P-Isopropyltoluene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,3 Dichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,4-Dichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
N-Butylbenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,2-Dichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,2-Dibromo 3-Chloropropane	ND		10	UG/L	1	24-Jun-2025 00:38
1,2,4-Trichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Hexachlorobutadiene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Naphthalene	ND		2.0	UG/L	1	24-Jun-2025 00:38
1,2,3-Trichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 00:38
Surr: Toluene-d8	*95.3*		*80-120*	*%REC*	*1*	*24-Jun-2025 00:38*
Surr: Toluene-d8	*92.6*		*80-120*	*%REC*	*10*	*24-Jun-2025 14:04*
Surr: 4-Bromofluorobenzene	*97.2*		*78-120*	*%REC*	*1*	*24-Jun-2025 00:38*
Surr: 4-Bromofluorobenzene	*98.7*		*78-120*	*%REC*	*10*	*24-Jun-2025 14:04*
Surr: 1,2-Dichloroethane-d4	*98.0*		*71-130*	*%REC*	*1*	*24-Jun-2025 00:38*
Surr: 1,2-Dichloroethane-d4	*100*		*71-130*	*%REC*	*10*	*24-Jun-2025 14:04*
TPH-GASOLINE BY NWTPH-GX		**Method:NWTPH-GX**		Prep:EPA-8021 / 18-Jun-2025		Analyst: MNC
TPH-Volatile Range	ND		50	UG/L	1	18-Jun-2025 20:17
Surr: TFT	*92.0*		*60-140*	*%REC*	*1*	*18-Jun-2025 20:17*

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

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
Sample ID: MW2
Collection Date: 17-Jun-2025 10:15

ANALYTICAL REPORT
WorkOrder:EV25060072
Lab ID:EV25060072-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TPH-DIESEL	**Method:NWTPH-DX**			Prep:SW3510 / 18-Jun-2025		Analyst: ABD
TPH-Diesel Range	**300**		**130**	**UG/L**	1	20-Jun-2025 14:07
TPH-Oil Range	ND	B	250	UG/L	1	20-Jun-2025 14:07
Surr: C25	*101*		*60-126*	*%REC*	*1*	*20-Jun-2025 14:07*
ENVIRONMENTAL ANALYSIS	**Method:MISC**					Analyst: CAS
Miscellaneous Analysis	See Attached			UG/L	1	23-Jun-2025 13:50

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

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
Sample ID: MW3
Collection Date: 17-Jun-2025 09:40

ANALYTICAL REPORT
WorkOrder:EV25060072
Lab ID:EV25060072-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		**Method:EPA-8260**		Prep:SW5030 / 23-Jun-2025		Analyst: DLC
Chloromethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Dichlorodifluoromethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Vinyl Chloride	ND		0.20	UG/L	1	24-Jun-2025 01:10
Bromomethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Chloroethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Trichlorofluoromethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Acetone	ND		25	UG/L	1	24-Jun-2025 01:10
Carbon Disulfide	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,1-Dichloroethene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Methylene Chloride	ND		5.0	UG/L	1	24-Jun-2025 01:10
Acrylonitrile	ND		10	UG/L	1	24-Jun-2025 01:10
Methyl T-Butyl Ether	ND		2.0	UG/L	1	24-Jun-2025 01:10
Trans-1,2-Dichloroethene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,1-Dichloroethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
2-Butanone	ND		10	UG/L	1	24-Jun-2025 01:10
Cis-1,2-Dichloroethene	ND		2.0	UG/L	1	24-Jun-2025 01:10
2,2-Dichloropropane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Bromochloromethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Chloroform	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,1,1-Trichloroethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,1-Dichloropropene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Carbon Tetrachloride	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2-Dichloroethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Benzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Trichloroethene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2-Dichloropropane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Dibromomethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Bromodichloromethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Trans-1,3-Dichloropropene	ND		2.0	UG/L	1	24-Jun-2025 01:10
4-Methyl-2-Pentanone	ND		10	UG/L	1	24-Jun-2025 01:10
Toluene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Cis-1,3-Dichloropropene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,1,2-Trichloroethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
2-Hexanone	ND		10	UG/L	1	24-Jun-2025 01:10
1,3-Dichloropropane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Tetrachloroethylene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Dibromochloromethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2-Dibromoethane	ND		0.010	UG/L	1	24-Jun-2025 01:10
Chlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10

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

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
Sample ID: MW3
Collection Date: 17-Jun-2025 09:40

ANALYTICAL REPORT
WorkOrder:EV25060072
Lab ID:EV25060072-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILE ORGANICS BY EPA-8260D		**Method:EPA-8260**		Prep:SW5030 / 23-Jun-2025		Analyst: DLC
1,1,1,2-Tetrachloroethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Ethylbenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
m,p-Xylene	ND		4.0	UG/L	1	24-Jun-2025 01:10
Styrene	ND		2.0	UG/L	1	24-Jun-2025 01:10
o-Xylene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Bromoform	ND		2.0	UG/L	1	24-Jun-2025 01:10
Isopropylbenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,1,2,2-Tetrachloroethane	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2,3-Trichloropropane	ND		2.0	UG/L	1	24-Jun-2025 01:10
Bromobenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
N-Propyl Benzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
2-Chlorotoluene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,3,5-Trimethylbenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
4-Chlorotoluene	ND		2.0	UG/L	1	24-Jun-2025 01:10
T-Butyl Benzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2,4-Trimethylbenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
S-Butyl Benzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
P-Isopropyltoluene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,3 Dichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,4-Dichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
N-Butylbenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2-Dichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2-Dibromo 3-Chloropropane	ND		10	UG/L	1	24-Jun-2025 01:10
1,2,4-Trichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Hexachlorobutadiene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Naphthalene	ND		2.0	UG/L	1	24-Jun-2025 01:10
1,2,3-Trichlorobenzene	ND		2.0	UG/L	1	24-Jun-2025 01:10
Surr: Toluene-d8	*99.9*		*80-120*	*%REC*	*1*	*24-Jun-2025 01:10*
Surr: 4-Bromofluorobenzene	*100*		*78-120*	*%REC*	*1*	*24-Jun-2025 01:10*
Surr: 1,2-Dichloroethane-d4	*101*		*71-130*	*%REC*	*1*	*24-Jun-2025 01:10*
TPH-GASOLINE BY NWTPH-GX		**Method:NWTPH-GX**		Prep:EPA-8021 / 18-Jun-2025		Analyst: MNC
TPH-Volatile Range	**2,700**		**500**	**UG/L**	10	20-Jun-2025 13:15
Surr: TFT	*91.2*		*60-140*	*%REC*	*10*	*20-Jun-2025 13:15*
TPH-DIESEL		**Method:NWTPH-DX**		Prep:SW3510 / 18-Jun-2025		Analyst: ABD
TPH-Diesel Range	**71,000**		**6500**	**UG/L**	50	24-Jun-2025 15:41
TPH-Oil Range	ND	B	12000	UG/L	50	24-Jun-2025 15:41
Surr: C25	*109*		*60-126*	*%REC*	*50*	*24-Jun-2025 15:41*
ENVIRONMENTAL ANALYSIS		**Method:MISC**				Analyst: CAS
Miscellaneous Analysis	See Attached			UG/L	1	23-Jun-2025 13:50

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

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 229427 (0)	**Test Name :** TPH-GASOLINE BY NWTPH-GX				**Matrix:** Water	
EV25060072-01	MW2	17 Jun 2025 10:15		18 Jun 2025 08:00	18 Jun 2025 20:17	1
EV25060072-02	MW3	17 Jun 2025 09:40		18 Jun 2025 08:00	20 Jun 2025 13:15	10
Batch ID: 229551 (0)	**Test Name :** TPH-DIESEL				**Matrix:** Water	
EV25060072-01	MW2	17 Jun 2025 10:15		18 Jun 2025 10:00	20 Jun 2025 14:07	1
EV25060072-02	MW3	17 Jun 2025 09:40		18 Jun 2025 10:00	24 Jun 2025 15:41	50
Batch ID: 229604 (0)	**Test Name :** VOLATILE ORGANICS BY EPA-8260D				**Matrix:** Water	
EV25060072-01	MW2	17 Jun 2025 10:15		23 Jun 2025 08:00	24 Jun 2025 00:38	1
EV25060072-02	MW3	17 Jun 2025 09:40		23 Jun 2025 08:00	24 Jun 2025 01:10	1
Batch ID: 229639 (0)	**Test Name :** VOLATILE ORGANICS BY EPA-8260D				**Matrix:** Water	
EV25060072-01	MW2	17 Jun 2025 10:15		24 Jun 2025 08:00	24 Jun 2025 14:04	10
Batch ID: R516590 (0)	**Test Name :** ENVIRONMENTAL ANALYSIS				**Matrix:** Water	
EV25060072-01	MW2	17 Jun 2025 10:15			23 Jun 2025 13:50	1
EV25060072-02	MW3	17 Jun 2025 09:40			23 Jun 2025 13:50	1

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229427 (0) **Instrument: GBTEX_119** **Method: TPH-GASOLINE BY NWTPH-GX**

MBLK Sample ID: **MBG-061825W** Units: **UG/L** Analysis Date: **18-Jun-2025 12:27**
Client ID: Run ID: **GBTEX_119_515786** SeqNo: **8898377** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Volatile Range	ND	50								
Surr: TFT	*9.128*	*0*	*10*	*0*	*91.3*	*60 - 140*				

MBLK Sample ID: **MBG-061825W** Units: **UG/L** Analysis Date: **18-Jun-2025 12:27**
Client ID: Run ID: **GBTEX_119_515786** SeqNo: **8896712** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Volatile Range	ND	50								
Surr: TFT	*9.128*	*0*	*10*	*0*	*91.3*	*60 - 140*				

LCS Sample ID: **BG-061825W** Units: **UG/L** Analysis Date: **18-Jun-2025 13:45**
Client ID: Run ID: **GBTEX_119_515786** SeqNo: **8898380** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Volatile Range	492.5	50	500	0	98.5	66.5 - 122.7				
Surr: TFT	*8.547*	*0*	*10*	*0*	*85.5*	*60 - 140*				

LCS Sample ID: **BG-061825W** Units: **UG/L** Analysis Date: **18-Jun-2025 13:45**
Client ID: Run ID: **GBTEX_119_515786** SeqNo: **8896715** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Volatile Range	492.5	50	500	0	98.5	66.5 - 122.7				
Surr: TFT	*8.547*	*0*	*10*	*0*	*85.5*	*60 - 140*				

LCSD Sample ID: **BGD-061825W** Units: **UG/L** Analysis Date: **18-Jun-2025 14:12**
Client ID: Run ID: **GBTEX_119_515786** SeqNo: **8898381** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Volatile Range	507	50	500	0	101	66.5 - 122.7	492.5	2.9	15	
Surr: TFT	*8.863*	*0*	*10*	*0*	*88.6*	*60 - 140*	*8.547*	*3.63*	*25*	

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229427 (0) **Instrument: GBTEX_119** **Method: TPH-GASOLINE BY NWTPH-GX**

LCSD Sample ID: **BGD-061825W** Units: **UG/L** Analysis Date: **18-Jun-2025 14:12**
Client ID: Run ID: **GBTEX_119_515786** SeqNo: **8896716** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Volatile Range	507	50	500	0	101	66.5 - 122.7	492.5	2.9	15	
Surr: TFT	*8.863*	*0*	*10*	*0*	*88.6*	*60 - 140*	*8.547*	*3.63*	*25*	

The following samples were analyzed in this batch:

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229551 (0) **Instrument: DX_144** **Method: TPH-DIESEL**

MBLK Sample ID: **MB-061825W** Units: **UG/L** Analysis Date: **23-Jun-2025 11:12**
Client ID: Run ID: **DX_144_516020** SeqNo: **8901892** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Diesel Range	ND	130								
TPH-Oil Range	334.1	250								
Surr: C25	*66.06*	*0*	*80*	*0*	*82.6*	*60 - 126*				

LCS Sample ID: **BS-061825W** Units: **UG/L** Analysis Date: **20-Jun-2025 13:15**
Client ID: Run ID: **DX_144_516020** SeqNo: **8901899** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Diesel Range	915.3	130	1000	0	91.5	67 - 125.2				
Surr: C25	*81.82*	*0*	*80*	*0*	*102*	*60 - 126*				

LCSD Sample ID: **BSD-061825W** Units: **UG/L** Analysis Date: **20-Jun-2025 13:41**
Client ID: Run ID: **DX_144_516020** SeqNo: **8901900** PrepDate: **18-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH-Diesel Range	959.8	130	1000	0	96.0	67 - 125.2	915.3	4.75	15.2	
Surr: C25	*84.28*	*0*	*80*	*0*	*105*	*60 - 126*	*81.82*	*2.96*	*25*	

The following samples were analyzed in this batch:

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

MBLK Sample ID: **MB-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 21:24**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904248** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloromethane	ND	2.0								
Dichlorodifluoromethane	ND	2.0								
Vinyl Chloride	ND	0.20								
Bromomethane	ND	2.0								
Chloroethane	ND	2.0								
Trichlorofluoromethane	ND	2.0								
Acetone	ND	25								
Carbon Disulfide	ND	2.0								
1,1-Dichloroethene	ND	2.0								
Methylene Chloride	ND	5.0								
Acrylonitrile	ND	10								
Methyl T-Butyl Ether	ND	2.0								
Trans-1,2-Dichloroethene	ND	2.0								
1,1-Dichloroethane	ND	2.0								
2-Butanone	ND	10								
Cis-1,2-Dichloroethene	ND	2.0								
2,2-Dichloropropane	ND	2.0								
Bromochloromethane	ND	2.0								
Chloroform	ND	2.0								
1,1,1-Trichloroethane	ND	2.0								
1,1-Dichloropropene	ND	2.0								
Carbon Tetrachloride	ND	2.0								
1,2-Dichloroethane	ND	2.0								
Benzene	ND	2.0								
Trichloroethene	ND	2.0								
1,2-Dichloropropane	ND	2.0								
Dibromomethane	ND	2.0								
Bromodichloromethane	ND	2.0								
Trans-1,3-Dichloropropene	ND	2.0								
4-Methyl-2-Pentanone	ND	10								
Toluene	ND	2.0								
Cis-1,3-Dichloropropene	ND	2.0								
1,1,2-Trichloroethane	ND	2.0								
2-Hexanone	ND	10								

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

MBLK Sample ID: **MB-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 21:24**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904248** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,3-Dichloropropane	ND	2.0								
Tetrachloroethylene	ND	2.0								
Dibromochloromethane	ND	2.0								
1,2-Dibromoethane	ND	0.010								
Chlorobenzene	ND	2.0								
1,1,1,2-Tetrachloroethane	ND	2.0								
Ethylbenzene	ND	2.0								
m,p-Xylene	ND	4.0								
Styrene	ND	2.0								
o-Xylene	ND	2.0								
Bromoform	ND	2.0								
Isopropylbenzene	ND	2.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
1,2,3-Trichloropropane	ND	2.0								
Bromobenzene	ND	2.0								
N-Propyl Benzene	ND	2.0								
2-Chlorotoluene	ND	2.0								
1,3,5-Trimethylbenzene	ND	2.0								
4-Chlorotoluene	ND	2.0								
T-Butyl Benzene	ND	2.0								
1,2,4-Trimethylbenzene	ND	2.0								
S-Butyl Benzene	ND	2.0								
P-Isopropyltoluene	ND	2.0								
1,3 Dichlorobenzene	ND	2.0								
1,4-Dichlorobenzene	ND	2.0								
N-Butylbenzene	ND	2.0								
1,2-Dichlorobenzene	ND	2.0								
1,2-Dibromo 3-Chloropropane	ND	10								
1,2,4-Trichlorobenzene	ND	2.0								
Hexachlorobutadiene	ND	2.0								
Naphthalene	ND	2.0								
1,2,3-Trichlorobenzene	ND	2.0								
Surr: Toluene-d8	*5.055*	*0*	*5*	*0*	*101*	*80 - 120*				
Surr: 4-Bromofluorobenzene	*4.973*	*0*	*5*	*0*	*99.5*	*78 - 120*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

MBLK Sample ID: **MB-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 21:24**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904248** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	*4.969*	*0*	*5*	*0*	*99.4*	*71 - 130*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCS Sample ID: **BS-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 21:56**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904249** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloromethane	10.29	2.0	10	0	103	50 - 150				
Dichlorodifluoromethane	12.04	2.0	10	0	120	50 - 150				
Vinyl Chloride	10.84	0.20	10	0	108	50 - 150				
Bromomethane	10.38	2.0	10	0	104	50 - 150				
Chloroethane	10.39	2.0	10	0	104	50 - 150				
Trichlorofluoromethane	11.04	2.0	10	0	110	50 - 150				
Acetone	7.304	25	10	0	73.0	50 - 150				
Carbon Disulfide	10.57	2.0	10	0	106	50 - 150				
1,1-Dichloroethene	10.48	2.0	10	0	105	72.5 - 136				
Methylene Chloride	11.8	5.0	10	0	118	50 - 150				
Acrylonitrile	10.6	10	10	0	106	50 - 150				
Methyl T-Butyl Ether	10.54	2.0	10	0	105	50 - 150				
Trans-1,2-Dichloroethene	10.13	2.0	10	0	101	50 - 150				
1,1-Dichloroethane	9.785	2.0	10	0	97.9	50 - 150				
2-Butanone	9.246	10	10	0	92.5	50 - 150				
Cis-1,2-Dichloroethene	9.962	2.0	10	0	99.6	50 - 150				
2,2-Dichloropropane	9.74	2.0	10	0	97.4	50 - 150				
Bromochloromethane	10.34	2.0	10	0	103	50 - 150				
Chloroform	10.69	2.0	10	0	107	50 - 150				
1,1,1-Trichloroethane	10.76	2.0	10	0	108	50 - 150				
1,1-Dichloropropene	10.79	2.0	10	0	108	50 - 150				
Carbon Tetrachloride	11.42	2.0	10	0	114	50 - 150				
1,2-Dichloroethane	9.382	2.0	10	0	93.8	50 - 150				
Benzene	9.687	2.0	10	0	96.9	74.7 - 143				
Trichloroethene	9.899	2.0	10	0	99.0	74.4 - 141				
1,2-Dichloropropane	10.03	2.0	10	0	100	50 - 150				
Dibromomethane	10.23	2.0	10	0	102	50 - 150				
Bromodichloromethane	10.2	2.0	10	0	102	50 - 150				
Trans-1,3-Dichloropropene	10.25	2.0	10	0	102	50 - 150				
4-Methyl-2-Pentanone	10.15	10	10	0	102	50 - 150				
Toluene	10.16	2.0	10	0	102	71.7 - 139				
Cis-1,3-Dichloropropene	10.09	2.0	10	0	101	50 - 150				
1,1,2-Trichloroethane	10.11	2.0	10	0	101	50 - 150				
2-Hexanone	9.506	10	10	0	95.1	50 - 150				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCS Sample ID: **BS-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 21:56**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904249** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,3-Dichloropropane	9.987	2.0	10	0	99.9	50 - 150				
Tetrachloroethylene	8.782	2.0	10	0	87.8	50 - 150				
Dibromochloromethane	10.37	2.0	10	0	104	50 - 150				
1,2-Dibromoethane	10.01	0.010	10	0	100	50 - 150				
Chlorobenzene	9.962	2.0	10	0	99.6	73 - 131				
1,1,1,2-Tetrachloroethane	9.869	2.0	10	0	98.7	50 - 150				
Ethylbenzene	9.88	2.0	10	0	98.8	50 - 150				
m,p-Xylene	19.64	4.0	20	0	98.2	50 - 150				
Styrene	9.915	2.0	10	0	99.1	50 - 150				
o-Xylene	9.914	2.0	10	0	99.1	50 - 150				
Bromoform	10.34	2.0	10	0	103	50 - 150				
Isopropylbenzene	10.05	2.0	10	0	101	50 - 150				
1,1,2,2-Tetrachloroethane	10.39	2.0	10	0	104	50 - 150				
1,2,3-Trichloropropane	10.06	2.0	10	0	101	50 - 150				
Bromobenzene	10.01	2.0	10	0	100	50 - 150				
N-Propyl Benzene	10.14	2.0	10	0	101	50 - 150				
2-Chlorotoluene	9.862	2.0	10	0	98.6	50 - 150				
1,3,5-Trimethylbenzene	10.08	2.0	10	0	101	50 - 150				
4-Chlorotoluene	9.872	2.0	10	0	98.7	50 - 150				
T-Butyl Benzene	11.06	2.0	10	0	111	50 - 150				
1,2,4-Trimethylbenzene	9.867	2.0	10	0	98.7	50 - 150				
S-Butyl Benzene	10.19	2.0	10	0	102	50 - 150				
P-Isopropyltoluene	10.03	2.0	10	0	100	50 - 150				
1,3 Dichlorobenzene	9.884	2.0	10	0	98.8	50 - 150				
1,4-Dichlorobenzene	9.726	2.0	10	0	97.3	50 - 150				
N-Butylbenzene	10.18	2.0	10	0	102	50 - 150				
1,2-Dichlorobenzene	9.805	2.0	10	0	98.1	50 - 150				
1,2-Dibromo 3-Chloropropane	10.4	10	10	0	104	50 - 150				
1,2,4-Trichlorobenzene	10.39	2.0	10	0	104	50 - 150				
Hexachlorobutadiene	10.31	2.0	10	0	103	50 - 150				
Naphthalene	10.59	2.0	10	0	106	50 - 150				
1,2,3-Trichlorobenzene	10.25	2.0	10	0	103	50 - 150				
Surr: Toluene-d8	*4.969*	*0*	*5*	*0*	*99.4*	*80 - 120*				
Surr: 4-Bromofluorobenzene	*5.052*	*0*	*5*	*0*	*101*	*78 - 120*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCS Sample ID: **BS-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 21:56**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904249** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	*4.706*	*0*	*5*	*0*	*94.1*	*71 - 130*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCSD Sample ID: **BSD-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 22:28**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904250** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Chloromethane	11.87	2.0	10	0	119	50 - 150	10.29	14.3	25	
Dichlorodifluoromethane	13.85	2.0	10	0	139	50 - 150	12.04	14	25	
Vinyl Chloride	12.48	0.20	10	0	125	50 - 150	10.84	14	25	
Bromomethane	12.18	2.0	10	0	122	50 - 150	10.38	16	25	
Chloroethane	11.92	2.0	10	0	119	50 - 150	10.39	13.7	25	
Trichlorofluoromethane	12.71	2.0	10	0	127	50 - 150	11.04	14.1	25	
Acetone	8.709	25	10	0	87.1	50 - 150	7.304	17.5	25	
Carbon Disulfide	12.23	2.0	10	0	122	50 - 150	10.57	14.6	25	
1,1-Dichloroethene	12.15	2.0	10	0	121	72.5 - 136	10.48	14.7	20.5	
Methylene Chloride	12.86	5.0	10	0	129	50 - 150	11.8	8.59	25	
Acrylonitrile	12.29	10	10	0	123	50 - 150	10.6	14.7	25	
Methyl T-Butyl Ether	11.86	2.0	10	0	119	50 - 150	10.54	11.8	25	
Trans-1,2-Dichloroethene	11.66	2.0	10	0	117	50 - 150	10.13	14.1	25	
1,1-Dichloroethane	11.19	2.0	10	0	112	50 - 150	9.785	13.4	25	
2-Butanone	10.69	10	10	0	107	50 - 150	9.246	14.5	25	
Cis-1,2-Dichloroethene	11.4	2.0	10	0	114	50 - 150	9.962	13.4	25	
2,2-Dichloropropane	11.1	2.0	10	0	111	50 - 150	9.74	13	25	
Bromochloromethane	11.64	2.0	10	0	116	50 - 150	10.34	11.8	25	
Chloroform	12.29	2.0	10	0	123	50 - 150	10.69	13.9	25	
1,1,1-Trichloroethane	12.48	2.0	10	0	125	50 - 150	10.76	14.9	25	
1,1-Dichloropropene	12.49	2.0	10	0	125	50 - 150	10.79	14.6	25	
Carbon Tetrachloride	13.32	2.0	10	0	133	50 - 150	11.42	15.3	25	
1,2-Dichloroethane	10.44	2.0	10	0	104	50 - 150	9.382	10.7	25	
Benzene	11.07	2.0	10	0	111	74.7 - 143	9.687	13.3	20.5	
Trichloroethene	11.26	2.0	10	0	113	74.4 - 141	9.899	12.9	20.5	
1,2-Dichloropropane	11.28	2.0	10	0	113	50 - 150	10.03	11.8	25	
Dibromomethane	11.4	2.0	10	0	114	50 - 150	10.23	10.8	25	
Bromodichloromethane	11.48	2.0	10	0	115	50 - 150	10.2	11.7	25	
Trans-1,3-Dichloropropene	11.26	2.0	10	0	113	50 - 150	10.25	9.38	25	
4-Methyl-2-Pentanone	11.22	10	10	0	112	50 - 150	10.15	10	25	
Toluene	11.53	2.0	10	0	115	71.7 - 139	10.16	12.7	20.5	
Cis-1,3-Dichloropropene	11.33	2.0	10	0	113	50 - 150	10.09	11.5	25	
1,1,2-Trichloroethane	11.03	2.0	10	0	110	50 - 150	10.11	8.77	25	

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCSD Sample ID: **BSD-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 22:28**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904250** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
2-Hexanone	10.44	10	10	0	104	50 - 150	9.506	9.41	25	
1,3-Dichloropropane	10.87	2.0	10	0	109	50 - 150	9.987	8.47	25	
Tetrachloroethylene	10.28	2.0	10	0	103	50 - 150	8.782	15.7	25	
Dibromochloromethane	11.45	2.0	10	0	114	50 - 150	10.37	9.86	25	
1,2-Dibromoethane	10.94	0.010	10	0	109	50 - 150	10.01	8.86	25	
Chlorobenzene	11.09	2.0	10	0	111	73 - 131	9.962	10.7	20.5	
1,1,1,2-Tetrachloroethane	10.91	2.0	10	0	109	50 - 150	9.869	10.1	25	
Ethylbenzene	10.99	2.0	10	0	110	50 - 150	9.88	10.7	25	
m,p-Xylene	21.89	4.0	20	0	109	50 - 150	19.64	10.8	25	
Styrene	10.99	2.0	10	0	110	50 - 150	9.915	10.3	25	
o-Xylene	11.01	2.0	10	0	110	50 - 150	9.914	10.5	25	
Bromoform	11.44	2.0	10	0	114	50 - 150	10.34	10	25	
Isopropylbenzene	11.24	2.0	10	0	112	50 - 150	10.05	11.1	25	
1,1,2,2-Tetrachloroethane	11.08	2.0	10	0	111	50 - 150	10.39	6.39	25	
1,2,3-Trichloropropane	10.68	2.0	10	0	107	50 - 150	10.06	5.95	25	
Bromobenzene	10.8	2.0	10	0	108	50 - 150	10.01	7.59	25	
N-Propyl Benzene	11.09	2.0	10	0	111	50 - 150	10.14	8.96	25	
2-Chlorotoluene	10.69	2.0	10	0	107	50 - 150	9.862	8.07	25	
1,3,5-Trimethylbenzene	11.04	2.0	10	0	110	50 - 150	10.08	9.07	25	
4-Chlorotoluene	10.73	2.0	10	0	107	50 - 150	9.872	8.29	25	
T-Butyl Benzene	12.15	2.0	10	0	122	50 - 150	11.06	9.36	25	
1,2,4-Trimethylbenzene	10.68	2.0	10	0	107	50 - 150	9.867	7.88	25	
S-Butyl Benzene	11.16	2.0	10	0	112	50 - 150	10.19	9.07	25	
P-Isopropyltoluene	10.98	2.0	10	0	110	50 - 150	10.03	9.01	25	
1,3 Dichlorobenzene	10.71	2.0	10	0	107	50 - 150	9.884	8	25	
1,4-Dichlorobenzene	10.51	2.0	10	0	105	50 - 150	9.726	7.75	25	
N-Butylbenzene	11	2.0	10	0	110	50 - 150	10.18	7.71	25	
1,2-Dichlorobenzene	10.55	2.0	10	0	105	50 - 150	9.805	7.29	25	
1,2-Dibromo 3-Chloropropane	11	10	10	0	110	50 - 150	10.4	5.68	25	
1,2,4-Trichlorobenzene	11.25	2.0	10	0	113	50 - 150	10.39	7.95	25	
Hexachlorobutadiene	11.47	2.0	10	0	115	50 - 150	10.31	10.6	25	
Naphthalene	11.36	2.0	10	0	114	50 - 150	10.59	7	25	
1,2,3-Trichlorobenzene	11.07	2.0	10	0	111	50 - 150	10.25	7.68	25	
Surr: Toluene-d8	*4.871*	*0*	*5*	*0*	*97.4*	*80 - 120*	*4.969*	*1.99*	*25*	

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229604 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCSD Sample ID: **BSD-062325W** Units: **UG/L** Analysis Date: **23-Jun-2025 22:28**
Client ID: Run ID: **VOC_123_516141** SeqNo: **8904250** PrepDate: **23-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*5.004*	*0*	*5*	*0*	*100*	*78 - 120*	*5.052*	*0.961*	*25*	
Surr: 1,2-Dichloroethane-d4	*4.636*	*0*	*5*	*0*	*92.7*	*71 - 130*	*4.706*	*1.49*	*25*	

The following samples were analyzed in this batch:

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

MBLK Sample ID: **MB-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 12:27**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909690** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloromethane	ND	2.0								
Dichlorodifluoromethane	ND	2.0								
Vinyl Chloride	ND	0.20								
Bromomethane	ND	2.0								
Chloroethane	ND	2.0								
Trichlorofluoromethane	ND	2.0								
Acetone	ND	25								
Carbon Disulfide	ND	2.0								
1,1-Dichloroethene	ND	2.0								
Methylene Chloride	ND	5.0								
Acrylonitrile	ND	10								
Methyl T-Butyl Ether	ND	2.0								
Trans-1,2-Dichloroethene	ND	2.0								
1,1-Dichloroethane	ND	2.0								
2-Butanone	ND	10								
Cis-1,2-Dichloroethene	ND	2.0								
2,2-Dichloropropane	ND	2.0								
Bromochloromethane	ND	2.0								
Chloroform	ND	2.0								
1,1,1-Trichloroethane	ND	2.0								
1,1-Dichloropropene	ND	2.0								
Carbon Tetrachloride	ND	2.0								
1,2-Dichloroethane	ND	2.0								
Benzene	ND	2.0								
Trichloroethene	ND	2.0								
1,2-Dichloropropane	ND	2.0								
Dibromomethane	ND	2.0								
Bromodichloromethane	ND	2.0								
Trans-1,3-Dichloropropene	ND	2.0								
4-Methyl-2-Pentanone	ND	10								
Toluene	ND	2.0								
Cis-1,3-Dichloropropene	ND	2.0								
1,1,2-Trichloroethane	ND	2.0								
2-Hexanone	ND	10								

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

MBLK Sample ID: **MB-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 12:27**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909690** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,3-Dichloropropane	ND	2.0								
Tetrachloroethylene	ND	2.0								
Dibromochloromethane	ND	2.0								
1,2-Dibromoethane	ND	0.010								
Chlorobenzene	ND	2.0								
1,1,1,2-Tetrachloroethane	ND	2.0								
Ethylbenzene	ND	2.0								
m,p-Xylene	ND	4.0								
Styrene	ND	2.0								
o-Xylene	ND	2.0								
Bromoform	ND	2.0								
Isopropylbenzene	ND	2.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
1,2,3-Trichloropropane	ND	2.0								
Bromobenzene	ND	2.0								
N-Propyl Benzene	ND	2.0								
2-Chlorotoluene	ND	2.0								
1,3,5-Trimethylbenzene	ND	2.0								
4-Chlorotoluene	ND	2.0								
T-Butyl Benzene	ND	2.0								
1,2,4-Trimethylbenzene	ND	2.0								
S-Butyl Benzene	ND	2.0								
P-Isopropyltoluene	ND	2.0								
1,3 Dichlorobenzene	ND	2.0								
1,4-Dichlorobenzene	ND	2.0								
N-Butylbenzene	ND	2.0								
1,2-Dichlorobenzene	ND	2.0								
1,2-Dibromo 3-Chloropropane	ND	10								
1,2,4-Trichlorobenzene	ND	2.0								
Hexachlorobutadiene	ND	2.0								
Naphthalene	ND	2.0								
1,2,3-Trichlorobenzene	ND	2.0								
Surr: Toluene-d8	*4.923*	*0*	*5*	*0*	*98.5*	*80 - 120*				
Surr: 4-Bromofluorobenzene	*4.892*	*0*	*5*	*0*	*97.8*	*78 - 120*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

MBLK Sample ID: **MB-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 12:27**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909690** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	*4.944*	*0*	*5*	*0*	*98.9*	*71 - 130*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCS Sample ID: **BS-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 12:59**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909691** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloromethane	11.1	2.0	10	0	111	50 - 150			
Dichlorodifluoromethane	13.42	2.0	10	0	134	50 - 150			
Vinyl Chloride	12	0.20	10	0	120	50 - 150			
Bromomethane	9.48	2.0	10	0	94.8	50 - 150			
Chloroethane	11.45	2.0	10	0	115	50 - 150			
Trichlorofluoromethane	12.23	2.0	10	0	122	50 - 150			
Acetone	11.74	25	10	0	117	50 - 150			
Carbon Disulfide	11.8	2.0	10	0	118	50 - 150			
1,1-Dichloroethene	11.54	2.0	10	0	115	72.5 - 136			
Methylene Chloride	12.32	5.0	10	0	123	50 - 150			
Acrylonitrile	11.65	10	10	0	117	50 - 150			
Methyl T-Butyl Ether	11.54	2.0	10	0	115	50 - 150			
Trans-1,2-Dichloroethene	11.19	2.0	10	0	112	50 - 150			
1,1-Dichloroethane	10.64	2.0	10	0	106	50 - 150			
2-Butanone	12.66	10	10	0	127	50 - 150			
Cis-1,2-Dichloroethene	10.81	2.0	10	0	108	50 - 150			
2,2-Dichloropropane	12.32	2.0	10	0	123	50 - 150			
Bromochloromethane	11.34	2.0	10	0	113	50 - 150			
Chloroform	12.3	2.0	10	0	123	50 - 150			
1,1,1-Trichloroethane	11.75	2.0	10	0	117	50 - 150			
1,1-Dichloropropene	11.98	2.0	10	0	120	50 - 150			
Carbon Tetrachloride	12.54	2.0	10	0	125	50 - 150			
1,2-Dichloroethane	9.919	2.0	10	0	99.2	50 - 150			
Benzene	10.38	2.0	10	0	104	74.7 - 143			
Trichloroethene	10.53	2.0	10	0	105	74.4 - 141			
1,2-Dichloropropane	10.6	2.0	10	0	106	50 - 150			
Dibromomethane	10.81	2.0	10	0	108	50 - 150			
Bromodichloromethane	10.77	2.0	10	0	108	50 - 150			
Trans-1,3-Dichloropropene	10.82	2.0	10	0	108	50 - 150			
4-Methyl-2-Pentanone	10.88	10	10	0	109	50 - 150			
Toluene	10.91	2.0	10	0	109	71.7 - 139			
Cis-1,3-Dichloropropene	10.91	2.0	10	0	109	50 - 150			
1,1,2-Trichloroethane	10.37	2.0	10	0	104	50 - 150			
2-Hexanone	11.21	10	10	0	112	50 - 150			

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCS Sample ID: **BS-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 12:59**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909691** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,3-Dichloropropane	10.26	2.0	10	0	103	50 - 150				
Tetrachloroethylene	8.976	2.0	10	0	89.8	50 - 150				
Dibromochloromethane	10.57	2.0	10	0	106	50 - 150				
1,2-Dibromoethane	10.29	0.010	10	0	103	50 - 150				
Chlorobenzene	10.29	2.0	10	0	103	73 - 131				
1,1,1,2-Tetrachloroethane	10.13	2.0	10	0	101	50 - 150				
Ethylbenzene	10.3	2.0	10	0	103	50 - 150				
m,p-Xylene	20.55	4.0	20	0	103	50 - 150				
Styrene	10.27	2.0	10	0	103	50 - 150				
o-Xylene	10.29	2.0	10	0	103	50 - 150				
Bromoform	10.57	2.0	10	0	106	50 - 150				
Isopropylbenzene	10.51	2.0	10	0	105	50 - 150				
1,1,2,2-Tetrachloroethane	10.8	2.0	10	0	108	50 - 150				
1,2,3-Trichloropropane	10.44	2.0	10	0	104	50 - 150				
Bromobenzene	10.28	2.0	10	0	103	50 - 150				
N-Propyl Benzene	10.73	2.0	10	0	107	50 - 150				
2-Chlorotoluene	10.28	2.0	10	0	103	50 - 150				
1,3,5-Trimethylbenzene	10.59	2.0	10	0	106	50 - 150				
4-Chlorotoluene	10.3	2.0	10	0	103	50 - 150				
T-Butyl Benzene	11.6	2.0	10	0	116	50 - 150				
1,2,4-Trimethylbenzene	10.35	2.0	10	0	103	50 - 150				
S-Butyl Benzene	10.8	2.0	10	0	108	50 - 150				
P-Isopropyltoluene	10.67	2.0	10	0	107	50 - 150				
1,3 Dichlorobenzene	10.27	2.0	10	0	103	50 - 150				
1,4-Dichlorobenzene	10.12	2.0	10	0	101	50 - 150				
N-Butylbenzene	11.03	2.0	10	0	110	50 - 150				
1,2-Dichlorobenzene	10.11	2.0	10	0	101	50 - 150				
1,2-Dibromo 3-Chloropropane	10.7	10	10	0	107	50 - 150				
1,2,4-Trichlorobenzene	10.9	2.0	10	0	109	50 - 150				
Hexachlorobutadiene	11.1	2.0	10	0	111	50 - 150				
Naphthalene	11.09	2.0	10	0	111	50 - 150				
1,2,3-Trichlorobenzene	10.68	2.0	10	0	107	50 - 150				
Surr: Toluene-d8	*4.829*	*0*	*5*	*0*	*96.6*	*80 - 120*				
Surr: 4-Bromofluorobenzene	*5.044*	*0*	*5*	*0*	*101*	*78 - 120*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCS Sample ID: **BS-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 12:59**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909691** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	*4.619*	*0*	*5*	*0*	*92.4*	*71 - 130*				

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCSD Sample ID: **BSD-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 13:32**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909692** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Chloromethane	9.359	2.0	10	0	93.6	50 - 150	11.1	17	25	
Dichlorodifluoromethane	10.92	2.0	10	0	109	50 - 150	13.42	20.6	25	
Vinyl Chloride	9.993	0.20	10	0	99.9	50 - 150	12	18.3	25	
Bromomethane	8.461	2.0	10	0	84.6	50 - 150	9.48	11.4	25	
Chloroethane	9.64	2.0	10	0	96.4	50 - 150	11.45	17.2	25	
Trichlorofluoromethane	10.24	2.0	10	0	102	50 - 150	12.23	17.7	25	
Acetone	10.76	25	10	0	108	50 - 150	11.74	8.69	25	
Carbon Disulfide	9.91	2.0	10	0	99.1	50 - 150	11.8	17.5	25	
1,1-Dichloroethene	9.691	2.0	10	0	96.9	72.5 - 136	11.54	17.4	20.5	
Methylene Chloride	10.63	5.0	10	0	106	50 - 150	12.32	14.7	25	
Acrylonitrile	9.767	10	10	0	97.7	50 - 150	11.65	17.6	25	
Methyl T-Butyl Ether	10.4	2.0	10	0	104	50 - 150	11.54	10.4	25	
Trans-1,2-Dichloroethene	9.52	2.0	10	0	95.2	50 - 150	11.19	16.1	25	
1,1-Dichloroethane	9.14	2.0	10	0	91.4	50 - 150	10.64	15.2	25	
2-Butanone	11.53	10	10	0	115	50 - 150	12.66	9.37	25	
Cis-1,2-Dichloroethene	9.355	2.0	10	0	93.6	50 - 150	10.81	14.4	25	
2,2-Dichloropropane	10.29	2.0	10	0	103	50 - 150	12.32	18	25	
Bromochloromethane	9.982	2.0	10	0	99.8	50 - 150	11.34	12.7	25	
Chloroform	10.58	2.0	10	0	106	50 - 150	12.3	15	25	
1,1,1-Trichloroethane	9.944	2.0	10	0	99.4	50 - 150	11.75	16.6	25	
1,1-Dichloropropene	10.08	2.0	10	0	101	50 - 150	11.98	17.2	25	
Carbon Tetrachloride	10.58	2.0	10	0	106	50 - 150	12.54	17	25	
1,2-Dichloroethane	8.86	2.0	10	0	88.6	50 - 150	9.919	11.3	25	
Benzene	8.868	2.0	10	0	88.7	74.7 - 143	10.38	15.7	20.5	
Trichloroethene	9.021	2.0	10	0	90.2	74.4 - 141	10.53	15.4	20.5	
1,2-Dichloropropane	9.298	2.0	10	0	93.0	50 - 150	10.6	13	25	
Dibromomethane	9.713	2.0	10	0	97.1	50 - 150	10.81	10.7	25	
Bromodichloromethane	9.479	2.0	10	0	94.8	50 - 150	10.77	12.7	25	
Trans-1,3-Dichloropropene	9.673	2.0	10	0	96.7	50 - 150	10.82	11.2	25	
4-Methyl-2-Pentanone	9.969	10	10	0	99.7	50 - 150	10.88	8.75	25	
Toluene	9.423	2.0	10	0	94.2	71.7 - 139	10.91	14.6	20.5	
Cis-1,3-Dichloropropene	9.612	2.0	10	0	96.1	50 - 150	10.91	12.7	25	
1,1,2-Trichloroethane	9.384	2.0	10	0	93.8	50 - 150	10.37	10	25	

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCSD Sample ID: **BSD-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 13:32**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909692** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
2-Hexanone	10.24	10	10	0	102	50 - 150	11.21	9.02	25	
1,3-Dichloropropane	9.274	2.0	10	0	92.7	50 - 150	10.26	10.1	25	
Tetrachloroethylene	7.826	2.0	10	0	78.3	50 - 150	8.976	13.7	25	
Dibromochloromethane	9.507	2.0	10	0	95.1	50 - 150	10.57	10.6	25	
1,2-Dibromoethane	9.321	0.010	10	0	93.2	50 - 150	10.29	9.93	25	
Chlorobenzene	8.987	2.0	10	0	89.9	73 - 131	10.29	13.5	20.5	
1,1,1,2-Tetrachloroethane	8.933	2.0	10	0	89.3	50 - 150	10.13	12.5	25	
Ethylbenzene	8.915	2.0	10	0	89.1	50 - 150	10.3	14.4	25	
m,p-Xylene	17.83	4.0	20	0	89.2	50 - 150	20.55	14.2	25	
Styrene	9.003	2.0	10	0	90.0	50 - 150	10.27	13.1	25	
o-Xylene	8.968	2.0	10	0	89.7	50 - 150	10.29	13.8	25	
Bromoform	9.617	2.0	10	0	96.2	50 - 150	10.57	9.45	25	
Isopropylbenzene	9.087	2.0	10	0	90.9	50 - 150	10.51	14.5	25	
1,1,2,2-Tetrachloroethane	9.697	2.0	10	0	97.0	50 - 150	10.8	10.8	25	
1,2,3-Trichloropropane	9.371	2.0	10	0	93.7	50 - 150	10.44	10.8	25	
Bromobenzene	8.974	2.0	10	0	89.7	50 - 150	10.28	13.5	25	
N-Propyl Benzene	9.126	2.0	10	0	91.3	50 - 150	10.73	16.2	25	
2-Chlorotoluene	8.804	2.0	10	0	88.0	50 - 150	10.28	15.4	25	
1,3,5-Trimethylbenzene	9.087	2.0	10	0	90.9	50 - 150	10.59	15.3	25	
4-Chlorotoluene	8.849	2.0	10	0	88.5	50 - 150	10.3	15.1	25	
T-Butyl Benzene	9.923	2.0	10	0	99.2	50 - 150	11.6	15.6	25	
1,2,4-Trimethylbenzene	8.892	2.0	10	0	88.9	50 - 150	10.35	15.1	25	
S-Butyl Benzene	9.159	2.0	10	0	91.6	50 - 150	10.8	16.5	25	
P-Isopropyltoluene	9.089	2.0	10	0	90.9	50 - 150	10.67	16	25	
1,3 Dichlorobenzene	8.891	2.0	10	0	88.9	50 - 150	10.27	14.4	25	
1,4-Dichlorobenzene	8.725	2.0	10	0	87.2	50 - 150	10.12	14.9	25	
N-Butylbenzene	9.287	2.0	10	0	92.9	50 - 150	11.03	17.2	25	
1,2-Dichlorobenzene	8.787	2.0	10	0	87.9	50 - 150	10.11	14	25	
1,2-Dibromo 3-Chloropropane	9.662	10	10	0	96.6	50 - 150	10.7	10.2	25	
1,2,4-Trichlorobenzene	9.452	2.0	10	0	94.5	50 - 150	10.9	14.2	25	
Hexachlorobutadiene	9.502	2.0	10	0	95.0	50 - 150	11.1	15.5	25	
Naphthalene	9.86	2.0	10	0	98.6	50 - 150	11.09	11.7	25	
1,2,3-Trichlorobenzene	9.351	2.0	10	0	93.5	50 - 150	10.68	13.3	25	
Surr: Toluene-d8	*4.835*	*0*	*5*	*0*	*96.7*	*80 - 120*	*4.829*	*0.124*	*25*	

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: EV25060072

QC BATCH REPORT

Batch ID: 229639 (0) **Instrument: VOC_123** **Method: VOLATILE ORGANICS BY EPA-8260D**

LCSD Sample ID: **BSD-062425W** Units: **UG/L** Analysis Date: **24-Jun-2025 13:32**
Client ID: Run ID: **VOC_123_516173** SeqNo: **8909692** PrepDate: **24-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*5.028*	*0*	*5*	*0*	*101*	*78 - 120*	*5.044*	*0.307*	*25*	
Surr: 1,2-Dichloroethane-d4	*4.645*	*0*	*5*	*0*	*92.9*	*71 - 130*	*4.619*	*0.562*	*25*	

The following samples were analyzed in this batch:

Client: Orion Environmental
Project: HMC MARGINAL WAY SEATTLE
WorkOrder: **EV25060072**

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 Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Sample Receipt Checklist

Work Order ID: EV25060072 **Date/Time Received:** **17-Jun-2025 11:55**

Client Name: ORI02-LONG BEACH **Received by:** **Angela.Middleton**

Completed By: */S/ Angela.Middleton* (eSignature) 17-Jun-2025 11:58 (Date/Time) **Reviewed by:** (eSignature) (Date/Time)

Matrices: **WATER** Carrier name: **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):	5.9C ON ICE	189	
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 Job# (ALS Use Only): EV250600 72

Date 6/17/25 Page 1 Of 1

PROJECT ID: HMC MARGINAL WAY SEATTLE
REPORT TO COMPANY: ORION ENVIRONMENTAL
PROJECT MANAGER: SCOTT STROMBERG
ADDRESS: 2955 REDONDO AVENUE, LONG BEACH, CA 90806
PHONE: (562) 787-0616 P.O. #: MARGINAL WAY SEATTLE
E-MAIL: sstromberg@orionenv.com
INVOICE TO COMPANY: HAZARD MANAGEMENT CONSULTING INC
ATTENTION: TROY TAYLOR
ADDRESS: 211 WEST AVENIDA CORDOBA, SAN CLEMENTE, CA 92672

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 ☐	OTHER (Specify): NAPHTHALENE, 1-METHYLNAPHTHALENE, 2-METHYLNAPHTHALENE BY EPA 8270	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW2	6/17/25	1015	GRAB			X	X						X																X	8	
2. MW3	6/17/25	0940	GRAB			X	X						X																X	7	
3.																															
4.																															
5.																															
6.																															
7.																															
8.																															
9.																															
10.																															

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time): Gabe Calderon
1. Relinquished By: GABRIEL SCHNEIDER-CALDERON, ORION ENVIRONMENTAL, 6/17/25
Received By: Poster ALS 6-17-25 11:55
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*
Organic, Metals & Inorganic Analysis: (10 Standard) 5 3 2 1 SAME DAY
Fuels & Hydrocarbon Analysis: 5 Standard 3 1 SAME DAY
OTHER: Specify:
*Turnaround request less than standard may incur Rush Charges.

June 26, 2025 Service Request No:K2506202

Shawn Robinson
ALS Environmental
8620 Holly Drive #100
Everett, WA 98208

Laboratory Results for: EV25060072

Dear Shawn,

Enclosed are the results of the sample(s) submitted to our laboratory June 19, 2025
For your reference, these analyses have been assigned our service request number **K2506202.**

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 3377. You may also contact me via email at Sydney.Wolf@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Sydney A. Wolf
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

RIGHT SOLUTIONS | RIGHT PARTNER

Client: ALS Environmental - US
Project: EV25060072
Sample Matrix: Water

Service Request: K2506202
Date Received: 06/19/2025

CASE NARRATIVE

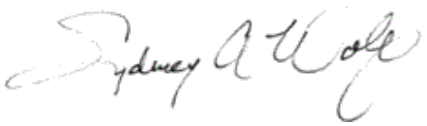
All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Two water samples were received for analysis at ALS Environmental on 06/19/2025. 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:

Method 8270D, 06/23/2025:The internal standard recovery of Acenaphthene-d10 and the surrogate recovery of Fluorene-d10 in sample MW-3 was outside control criteria because of matrix interference. No corrective action was appropriate.

Approved by  Date 06/26/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-2			Lab ID: K2506202-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1-Methylnaphthalene	0.50			0.030	ug/L	8270D

CLIENT ID: MW-3			Lab ID: K2506202-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Naphthalene	0.054			0.040	ug/L	8270D

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

RIGHT SOLUTIONS | RIGHT PARTNER

Client: ALS Environmental - US **Service Request:**K2506202
Project: EV25060072

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2506202-001	MW-2	6/17/2025	1015
K2506202-002	MW-3	6/17/2025	0940

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 Job# (Laboratory Use Only): EV2506072

Date 6/17 Page 1 Of 1

PROJECT ID: EV2506072
REPORT TO COMPANY: ALS Environmental
PROJECT MANAGER: Shawn Robinson
ADDRESS: 8620 Holly Drive. #100
Everett WA 98208
PHONE: (425) 356 2600 P.O. #: EV2506072
E-MAIL: USAenviro.everett@alsglobal.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

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 ☐	OTHER (Specify): Methyl Naphthalene - Naphthalene EPA 8270 SIM	Naphthalenes by 8270 SIM (1-methylnaphthalene, 2-methylnaphthalene, Naphthalene)				NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-2	6/17/25	1015	W	1															X	X					1	
2. MW-3	6/17/25	0940	W	2															X	X					2	
3.																										
4.																										
5.																										
6.																										
7.																										
8.																										
9.																										
10.																										

SPECIAL INSTRUCTIONS: ~~Please send Results by 6/30/25~~

SIGNATURES (Name, Company, Date, Time):
1. Relinquished By: Angie Middleton 6/18/25 1120
Received By: Mindy ALS 6/19/25 0950
2. Relinquished By:

TURNAROUND REQUESTED in Business Days*
Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY
Fuels & Hydrocarbon Analysis: 5 | 3 | 1 | SAME DAY

OTHER:
Specify:

Cooler Receipt and Preservation Form

PM LP

Client ALS Everett Service Request K25 06202

Received: 10/19/25 Opened: 10/19/25 By: VM Unloaded: 10/19/25 By: VM

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 NA	Filed
	2.5	IR02					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

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

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* TCVPEP
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, notate 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:

RUSH

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

Notes, Discrepancies, Resolutions: BTL Counts Reversed

Miscellaneous Forms

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

RIGHT SOLUTIONS | RIGHT PARTNER

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.pjlabs.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/bsdw/labservice.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/anlayte 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.

Client:	ALS Environmental - US	**Service Request:**	K2506202
Project:	EV25060072/		

Sample Name:	MW-2	**Date Collected:**	06/17/25
Lab Code:	K2506202-001	**Date Received:**	06/19/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	APERRY	EBRUNO

Sample Name:	MW-3	**Date Collected:**	06/17/25
Lab Code:	K2506202-002	**Date Received:**	06/19/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	APERRY	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

RIGHT SOLUTIONS | RIGHT PARTNER

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

RIGHT SOLUTIONS | RIGHT PARTNER

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	K2506202
Project:	EV25060072	**Date Collected:**	06/17/25 10:15
Sample Matrix:	Water	**Date Received:**	06/19/25 09:50
Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	K2506202-001	**Basis:**	NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	**0.50**	0.030	1	06/23/25 13:50	6/20/25	
2-Methylnaphthalene	ND U	0.030	1	06/23/25 13:50	6/20/25	
Naphthalene	ND U	0.030	1	06/23/25 13:50	6/20/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	98	42 - 131	06/23/25 13:50	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	K2506202
Project:	EV25060072	**Date Collected:**	06/17/25 09:40
Sample Matrix:	Water	**Date Received:**	06/19/25 09:50
Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K2506202-002	**Basis:**	NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.040	1	06/23/25 14:16	6/20/25	
2-Methylnaphthalene	ND U	0.040	1	06/23/25 14:16	6/20/25	
Naphthalene	**0.054**	0.040	1	06/23/25 14:16	6/20/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	174	42 - 131	06/23/25 14:16	*

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

RIGHT SOLUTIONS | RIGHT PARTNER

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

RIGHT SOLUTIONS | RIGHT PARTNER

Client: ALS Environmental - US **Service Request:** K2506202
Project: EV25060072
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Extraction Method: EPA 3511

Sample Name	Lab Code	Fluorene-d10 42 - 131
MW-2	K2506202-001	98
MW-3	K2506202-002	174 *
Method Blank	KQ2510707-01	90
Lab Control Sample	KQ2510707-02	94
Duplicate Lab Control Sample	KQ2510707-03	94

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	K2506202
Project:	EV25060072	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2510707-01	**Basis:**	NA

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3511

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	ND U	0.020	1	06/23/25 12:31	6/20/25	
2-Methylnaphthalene	ND U	0.020	1	06/23/25 12:31	6/20/25	
Naphthalene	ND U	0.020	1	06/23/25 12:31	6/20/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluorene-d10	90	42 - 131	06/23/25 12:31	

Client:	ALS Environmental - US	**Service Request:**	K2506202
Project:	EV25060072	**Date Analyzed:**	06/23/25
Sample Matrix:	Water	**Date Extracted:**	06/20/25

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

Analysis Method:	8270D	**Units:**	ug/L
Prep Method:	EPA 3511	**Basis:**	NA
		Analysis Lot:	883998

	Lab Control Sample KQ2510707-02			Duplicate Lab Control Sample KQ2510707-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	2.28	2.78	82	2.40	2.78	86	47-119	5	30
2-Methylnaphthalene	2.23	2.78	80	2.35	2.78	85	48-120	5	30
Naphthalene	2.30	2.78	83	2.38	2.78	86	52-115	4	30