



August 18, 2025

Mr. Steve Teel
Washington State Department of Ecology
Toxics Cleanup Program, Southwest Regional Office
P.O. Box 47775
Olympia, Washington 98504-7775
stee461@ecy.wa.gov

RE: **August 2025 Groundwater & Seep Monitoring Report**
Former Olympia Dry Cleaners
606 Union Avenue SE
Olympia, Washington 98501-1430
AEG Project No. 19-222

Dear Mr. Teel:

AEG Atlas, LLC (AEG) has prepared the enclosed ***Groundwater & Seep Monitoring Report*** presenting results of groundwater sampling and analysis activities conducted on May 30, 2024, at the above-referenced site in Olympia, Washington (Site). Currently, selected on-Site monitoring wells (MW-9, MW-11, and MW-14) and two locations at the seep (SEEP and SEEP-POST) are sampled on a 15-month frequency. The location of the Site is illustrated on Figure 1, *Site Vicinity Map*. Locations of Site features, previous sample locations, monitoring wells, and seep sample locations are detailed in Figure 2, *Site Map*.

WORK PERFORMED [August 2025]:

- Obtained depth to groundwater data from five groundwater wells (MW-6, MW-9, MW-11, MW-13, and MW-14).
- Purged and sampled three groundwater monitoring wells (MW-9, MW-11, and MW-14).
- Attempted to sample the seep at the source (SEEP) and downgradient of the filter sock (SEEP-POST). Both areas were dry at the time of sampling, and no sample was collected.

WORK PROPOSED [November 2026]:

- Obtain depth to groundwater data from five groundwater wells (MW-6, MW-9, MW-11, MW-13, and MW-14).
- Purge and sample three groundwater monitoring wells (MW-9, MW-11, and MW-14).
- Sample the seep at the source (SEEP) and downgradient of the filter sock (SEEP-POST).

August 2025 Groundwater & Seep Monitoring Report

Olympia Dry Cleaners, Olympia, Washington

AEG Atlas Project No. 19-222

August 18, 2025

SUMMARY:

Sampling Event:	August 1, 2025	Values
Range of Depths to Groundwater:	0.00 to 3.54	Feet below top of well casing (Table 1, <i>Summary of Groundwater Elevations</i>)
Range of Groundwater Elevations:	18.86 to 27.02	Feet above Mean Sea Level (Table 1, <i>Summary of Groundwater Elevations</i>)
Groundwater Gradient: (Direction / Magnitude)	North-northeast / 0.034	Feet per foot (ft/ft), determined using data from MW-06, MW-09, MW-11, MW-13, and MW-14.
Measurable NAPL Detected:	No	
Measurable NAPL Thickness:	N/A	
Current Remedial Action:	Compliance Monitoring	

DISCUSSION:

Constituents of concern (COCs) were detected in monitoring well MW-09 and MW-14. Detected concentrations are summarized below. Analytical results for this sampling event, and historical analytical results, are presented in the attached Table 2, *Summary of Groundwater Monitoring Analytical Results*.

August 2025						
Well ID	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	Vinyl Chloride
MW-9	<1.0	<0.4	<1.0	<1.0	<0.5	3.4
MW-14	<1.0	<0.4	<1.0	<1.0	<0.5	0.56
MTCA Method A Cleanup Levels	5	5	16*	160*	7.7*	0.2

All values reported in micrograms per liter (µg/L)

< = Indicates constituent was not detected at the listed detection limit.

Red Bold indicates the detected concentration exceeds MTCA Method A cleanup level.

Bold indicates the detected concentration is below MTCA Method A cleanup levels.

PCE = Tetrachloroethylene

TCE = Trichloroethylene

DCE = Dichloroethylene

* MTCA Method B cleanup level; Method A cleanup level not established

No COCs were detected above the laboratory detection limits for monitoring well MW-11.

SEEP DISCUSSION:

Both SEEP locations were dry at the time of sampling and no seep samples were analyzed. Analytical results are presented in the attached Table 3, *Summary of Groundwater Seep Analytical Results*.

According to information received from the City of Olympia (city), recent repairs were performed in the right-of-way that likely account for the lack of a seep. On April 10, 2025, the city had repaired the pavement at and downgradient of the seep location due to complaints from the occupants of 1000 Cherry Street about the condition of the pavement and the amount of vegetation growing up through it. This work included sealing the seams between the asphalt and curb. As part of the work, the city unknowingly removed the absorbent sock from the curblin. However, since the work was performed, no evidence of the seep returning via a new preferential pathway has been noted and the area has been dry.

RECOMMENDATIONS:

It is AEG's professional opinion that groundwater data collected to date demonstrates the previous release of tetrachloroethylene (PCE) that has completely degraded into a residual plume of vinyl chloride in groundwater is not only stable but receding. Appendix A includes time series graphs for both MW-9 and MW-14. Both graphs illustrate an overall downward trend in the data over the last 9-12 years, with downgradient well MW-14 hovering around the cleanup level since 2018. Other downgradient wells, such as MW-6 and MW-11, have always been non-detect indicating there's been no movement. Based on these results, future monitoring of the groundwater monitoring wells should be discontinued as there are currently no complete exposure pathways to human health or the environment.

Further, the seep is no longer present, and Ecology's only remaining exposure concern for this Site has been the potential migration of impacted seep water to surface water via overland flow into the catchbasin along Cherry Street. As evidenced by the recent work performed by the city to repair the pavement, including sealing the seams, and a lack of any noticeable seep, no further monitoring is recommended.

Based on these recommendations, on behalf of our client, the work required under the consent decree has been satisfied, and no further action should be warranted.

Should you have questions or require additional information, please contact our office at 360-352-9835.

August 2025 Groundwater & Seep Monitoring Report

Olympia Dry Cleaners, Olympia, Washington

AEG Atlas Project No. 19-222

August 18, 2025

Sincerely,

AEG Atlas, LLC



Scott Rose, L.H.G.
Director of Technical Services



SCOTT I ROSE



Paul Hitch
Project Environmental Scientist

Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Groundwater Elevation Contour Map 08/01/2025*

Table 1 – *Summary of Groundwater Elevations*

Table 2 – *Summary of Groundwater Monitoring Analytical Results*

Table 3 – *Summary of Groundwater Seep Analytical Results*

Appendix A – Laboratory Datasheets

Time Series Graphs for MW-9 & MW-14

FIGURES



**Former Olympia
Dry Cleaners Site
Olympia, Washington**

**Figure 1
Site Vicinity Map**

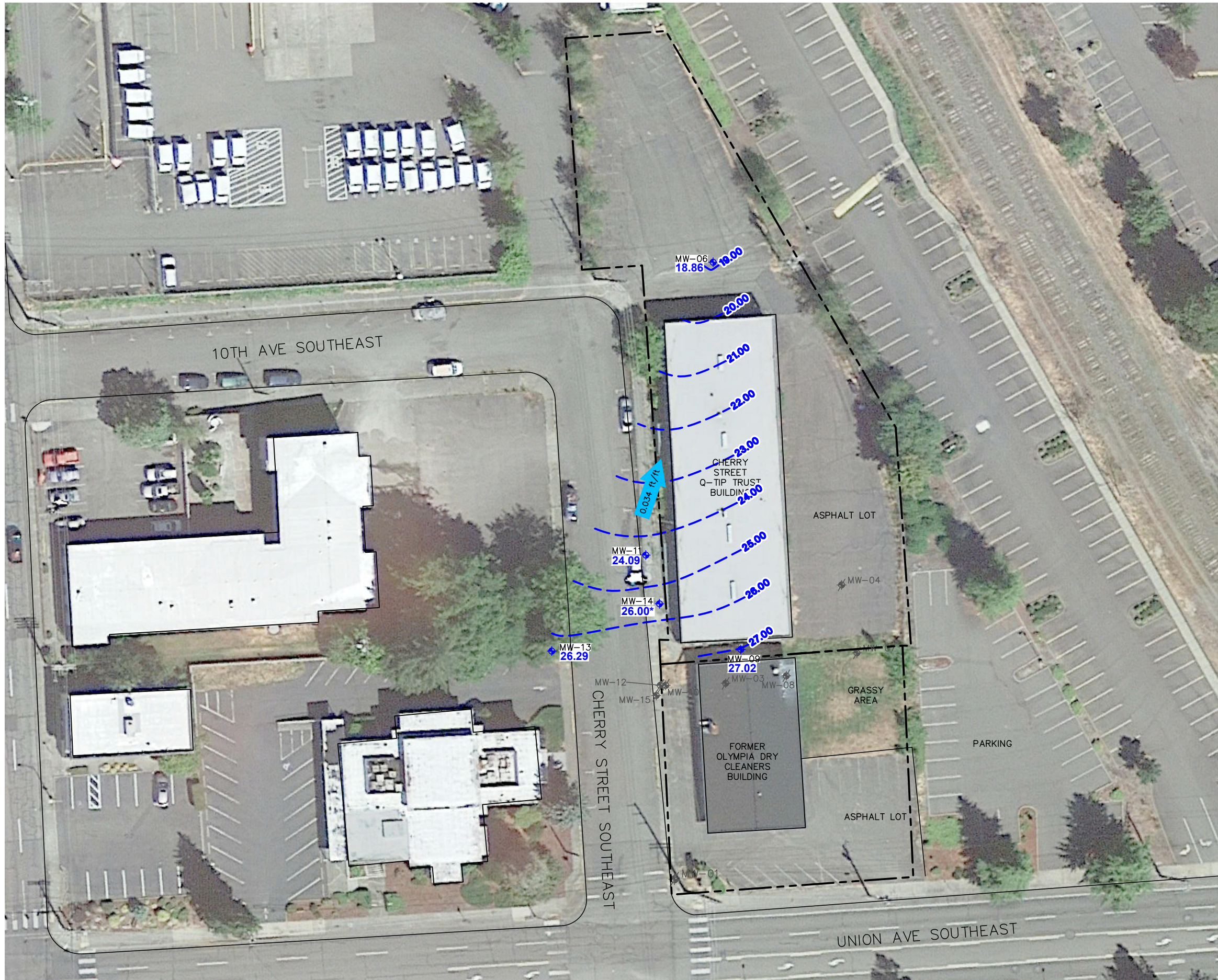
PROJECT
NUMBER 19-222

APPROVED BY
MC 8/14/2025

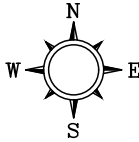
CHECKED BY
MC 8/14/2025

DRAWN BY
JGM 8/14/2025

FILENAME
19-222_GWE-0825.DWG



SOURCE: 2022 AERIAL PHOTOGRAPHY; © GOOGLE



LEGEND

- PARCEL BOUNDARY
- MW-11 MONITORING WELL
- MW-07 ABANDONED MONITORING WELL
- 24.09 GROUNDWATER ELEVATION (FEET)
- * INDICATES A WELL WITH ARTESIAN GROUNDWATER. REPORTED GROUNDWATER ELEVATION IS AN ESTIMATE
- 24.00 - GROUNDWATER ELEVATION CONTOUR LINE (FEET)
- 0.034 ft/ft APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

NOTES

1. THE LOCATIONS OF ALL FEATURES SHOWN ARE APPROXIMATE
2. THIS DRAWING IS FOR INFORMATION PURPOSES. IT IS INTENDED TO ASSIST IN SHOWING FEATURES DISCUSSED IN AN ATTACHED DOCUMENT.

REFERENCE

DRAWING CREATED FROM AERIAL PHOTOGRAPH AND NOTES PROVIDED BY AEG ATLAS, LLC.

0 25 50
SCALE IN FEET



FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
08/01/2025

FORMER OLYMPIA DRY CLEANERS
606 UNION AVE SOUTHEAST
OLYMPIA, WASHINGTON

TABLES

Table 1 - Summary of Groundwater Elevations

Olympia Dry Cleaners

Olympia, Washington

Well No./ TOC Elevation ^{1,2}	Date	Depth to Water	Actual Groundwater Elevation	Change in Elevation
MW-06	3/12/2016	1.46	18.66	--
20.12	6/9/2016	0.86	19.26	0.60
	9/29/2016	0.20	19.92	0.66
	12/20/2016	1.38	18.74	-1.18
	3/10/2017	0.65	19.47	0.73
	10/31/2017	3.83	16.29	-3.18
	3/30/2018	1.62	18.50	2.21
	3/3/2020	0.76	19.36	0.86
	9/10/2021	0.12	20.00	0.64
	4/7/2023	0.36	19.76	-0.24
	5/30/2024	0.10	20.02	0.26
	8/1/2025	1.26	18.86	-1.16
MW-09	3/12/2016	2.32	17.80	--
30.56	6/9/2016	3.41	27.15	9.35
	9/29/2016	3.44	27.12	-0.03
	12/20/2016	3.40	27.16	0.04
	3/10/2017	3.22	27.34	0.18
	10/31/2017	3.34	27.22	-0.12
	3/30/2018	3.31	27.25	0.03
	3/3/2020	3.31	27.25	0.00
	6/11/2020	4.28	26.28	-0.97
	9/10/2021	3.50	27.06	0.78
	4/7/2023	3.23	27.33	0.27
	5/30/2024	3.28	27.28	-0.05
	8/1/2025	3.54	27.02	-0.26
MW-11 ³	3/12/2016	0.00	20.12	--
24.66	6/9/2016	0.00	20.12	0.00
	9/29/2016	0.00	24.66	4.54
	12/20/2016	0.50	24.16	-0.50
	3/10/2017	0.38	24.28	0.12
	10/31/2017	0.34	24.32	0.04
	3/30/2018	0.39	24.27	-0.05
	3/3/2020	0.00	24.66	0.39
	6/11/2020	0.00	24.66	0.00
	9/10/2021	0.00	24.66	0.00
	4/7/2023	0.60	24.06	-0.60
	5/30/2024	0.15	24.51	0.45
	8/1/2025	0.57	24.09	-0.42

Table 1 - Summary of Groundwater Elevations

Olympia Dry Cleaners

Olympia, Washington

Well No./ TOC Elevation ^{1, 2}	Date	Depth to Water	Actual Groundwater Elevation	Change in Elevation
MW-13	3/12/2016	0.07	20.05	--
26.38	6/9/2016	0.17	19.95	-0.10
	9/29/2016	0.42	25.96	6.01
	12/20/2016	0.20	26.18	0.22
	3/10/2017	0.16	26.22	0.04
	10/31/2017	1.33	25.05	-1.17
	3/30/2018	0.18	26.20	1.15
	3/3/2020	0.10	26.28	0.08
	9/10/2021	0.07	26.31	0.03
	4/7/2023	0.12	26.26	-0.05
	5/30/2024	0.09	26.29	0.03
	8/1/2025	0.09	26.29	0.00
MW-14 ³	3/12/2016	0.00	26.00	--
26.00	6/9/2016	0.00	26.00	0.00
	9/29/2016	0.00	26.00	0.00
	12/20/2016	0.00	26.00	0.00
	3/10/2017	0.00	26.00	0.00
	10/31/2017	0.00	26.00	0.00
	3/30/2018	0.00	26.00	0.00
	3/3/2020	0.00	26.00	0.00
	6/11/2020	0.00	26.00	0.00
	9/10/2021	0.00	26.00	0.00
	4/7/2023	0.00	26.00	0.00
	5/30/2024	0.00	26.00	0.00
	8/1/2025	0.00	26.00	0.00

Notes:

All values reported in feet

TOC = Top of casing elevation relative to assigned benchmark.

-- = Not measured, not available, or not applicable

¹ Top of well casing survey information from SoundEarth Strategies, Inc.² Elevations reported in North American Vertical Datum of 1988.³ Depth to water values of 0.00 indicate a location with artesian groundwater; reported groundwater elevations are considered estimates.

Table 2 - Summary of Groundwater Monitoring Analytical Results
Olympia Dry Cleaners
Olympia, Washington

Sample Location	Status ¹	Date Collected	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	Vinyl Chloride
MW-06 ³	Pre-Remediation ¹	8/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20
	Post-Remediation	3/12/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		6/9/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		9/29/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		12/20/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/10/2017	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		10/31/2017	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/30/2018	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/3/2020	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
MW-09	Pre-Remediation	8/13/2013	<1.0	<1.0	4.1	<1.0	<1.0	2.7
	Post-Remediation	3/12/2016	<1.0	2.2	11	<1.0	<1.0	5.0
		6/9/2016	<1.0	3.2	26	<1.0	<1.0	9.8
		9/29/2016	<1.0	2.8	27	<1.0	<1.0	11
		12/20/2016	<1.0	0.69	10	<1.0	<1.0	6.9
		3/10/2017	<1.0	0.61	6.2	<1.0	<1.0	2.6
		10/31/2017	<1.0	1.7	12	<1.0	<1.0	6.0
		3/30/2018	<1.0	2.1	6.2	<1.0	<1.0	<0.20
		3/3/2020	<1.0	1.8	15.0	<1.0	<1.0	6.7
		6/11/2020	<1.0	<0.4	3.9	<1.0	<0.5	4.8
		9/10/2021	<1.0	<0.4	1.2	<1.0	<0.5	7.0
		4/7/2023	<1.0	<0.4	3.0	<1.0	<0.5	1.7
		5/30/2024	<1.0	<0.40	<1.0	<1.0	<0.50	0.90
		8/1/2025	<1.0	<0.4	<1.0	<1.0	<0.5	3.4
MW-11	Pre-Remediation	8/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20
	Post-Remediation	3/12/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		6/9/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		9/29/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		12/20/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/10/2017	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		10/31/2017	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/30/2018	<1.0	0.60	<1.0	<1.0	<1.0	<0.20
		3/3/2020	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		6/11/2020	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
		9/10/2021	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
		4/7/2023	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
		5/30/2024	<1.0	<0.40	<1.0	<1.0	<0.50	<0.20
		8/1/2025	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20

Table 2 - Summary of Groundwater Monitoring Analytical Results
Olympia Dry Cleaners
Olympia, Washington

Sample Location	Status ¹	Date Collected	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	Vinyl Chloride
MW-13 ³	Pre-Remediation	8/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20
	Post-Remediation	3/12/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		6/9/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		9/29/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		12/20/2016	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/10/2017	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		10/31/2017	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/30/2018	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		3/3/2020	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
MW-14	Pre-Remediation	8/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20
	Post-Remediation	3/8/2016	52	17	23	<1.0	<1.0	2.4
		6/9/2016 ²	99	34	33	<1.0	<1.0	2.8
		9/29/2016	96	40	42	<1.0	<1.0	<0.20
		12/20/2016 ²	23	11	7.3	<1.0	<1.0	0.79
		3/10/2017	38	24	14	<1.0	<1.0	<0.20
		10/31/2017	32	24	15	<1.0	<1.0	2.2
		3/30/2018	1.2	2.0	2.2	<1.0	<1.0	<0.20
		3/3/2020	<1.0	<0.50	<1.0	<1.0	<1.0	<0.20
		6/11/2020	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
		9/10/2021	<1.0	<0.4	3.8	<1.0	<0.5	0.58
		4/7/2023	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
		5/30/2024	<1.0	<0.40	1.8	<1.0	<0.50	0.60
		8/1/2025	<1.0	<0.4	<1.0	<1.0	<0.5	0.56
Artesian Well		8/26/2022	<1.0	<0.4	<1.0	<1.0	<0.5	<0.20
PQL			1.0	0.4/0.5	1.0	1.0	0.5/1.0	0.20
MTCA Method A Cleanup Level			5	5	16*	160*	7.7*	0.2

Notes:

All values reported in micrograms per liter (µg/L)

-- = Not analyzed for constituent

< = Not detected at the listed laboratory detection limits

PQL = Practical Quantification Limit (laboratory detection limit)

Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level

Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

* MTCA Method B cleanup level; Method A cleanup level not established

¹Pre-remediation groundwater monitoring data collected by SoundEarth Strategies, Inc.

² Field duplicate taken at this location on this date; the greatest concentration between the two samples is shown.

³Ceased monitoring of this well as of 6/2/20.

Data collected between 2016-2018 collected by Floyd Snider.

PCE = Tetrachloroethylene

TCE = Trichloroethylene

DCE = Dichloroethylene

Table 3 - Summary of Groundwater Seep Analytical Results

Olympia Dry Cleaners

Olympia, Washington

Sample Location	Status	Date Collected	Halogenated Volatile Organic Compounds				
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
SEEP	Pre-Remediation ¹	7/10/2008	390	580	2,500	12	190
	Post-Remediation	3/8/2016	33	15	110	<1.0	15
		3/30/2016	23	17	160	<1.0	22
		6/9/2016	16	18	170	1.3	20
		9/29/2016	16	30	180	<1.0	16
		12/20/2016	56	44	110	<1.0	10
		3/10/2017	13	7.6	19	<1.0	1.8 J
		6/21/2017	12	8.5	57	<1.0	6.2
		10/31/2017	14	19	74	<1.0	12
		1/4/2018	20	34	138	<1.0	7.6
		3/22/2018	23	17	52	<1.0	2.45
		3/30/2018	19	16	60	<1.0	1.9
		6/23/2018	5.4	5.4	34	<1.0	4.7
		9/30/2018	1.7	5.3	45.7	<1.0	3.6
		3/20/2019	0.96 J	3.4	48	<1.0	1.4
		7/3/2019	<1.0	0.68	8.5	<1.0	0.89
		12/7/2019	2.8	4.0	49.3	<1.0	1.6
		3/3/2020	2.6	2.8	37.1	<1.0	1.2
		6/2/2020	0.63 J	1.3	26	<1.0	4.8
		12/18/2020	3.0	2.6	40	<1.0	3.8
		6/21/2021	1.6	1.4	29	<1.0	2.3
		9/10/2021	<1.0	1.2	20	<1.0	5.2
		12/9/2021	2.4	1.5	37	<1.0	8.1
		4/7/2023	1.1	0.93	11	<1.0	<0.2
		5/30/2024	Seep was dry/not present; no sample collected				
		8/1/2025	Seep was dry/not present; no sample collected				
SEEP-CB ²	Pre-Remediation	10/15/2008	<2.0	<1.0	<1.0	<1.0	<1.0
	Post-Remediation	6/9/2016	<1.0	<0.5	1.8	<1.0	<0.2
		3/22/2017	<1.0	0.72	1.3	<1.0	<0.2
		3/30/2018	<1.0	<0.5	<1.0	<1.0	<0.2
		6/21/2021	<1.0	<0.4	<1.0	<1.0	<0.2
		9/10/2021	<1.0	<0.4	<1.0	<1.0	<0.2
		12/9/2021	<1.0	<0.4	<1.0	<1.0	<0.2

Table 3 - Summary of Groundwater Seep Analytical Results

Olympia Dry Cleaners

Olympia, Washington

Sample Location	Status	Date Collected	Halogenated Volatile Organic Compounds					
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	
SEEP-POST ³	Post-Remediation	9/29/2016	<1.0	0.55	2.3	<1.0	0.62	
		12/20/2016	10	8.0	19	<1.0	2.2	
		3/10/2017	3.4 J	2.5	6.3	<1.0	1.3	
		3/22/2017	4.8	4.1	10	<1.0	1.3	
		3/30/2017	<1.0	<0.50	<1.0	<1.0	<0.20	
		6/21/2017	<1.0	<0.50	<1.0	<1.0	<0.20	
		10/31/2017	<1.0	0.58	2.5	<1.0	<0.20	
		1/8/2018	<1.0	0.76	2.8	<1.0	<0.20	
		3/22/2018	<1.0	0.6	2.6	<1.0	<0.20	
		3/30/2018	<1.0	<0.50	<1.0	<1.0	<0.20	
		6/23/2018	<1.0	<0.50	2.0	<1.0	<0.20	
		9/30/2018	<1.0	1.6	14.4	<1.0	1.5	
		3/20/2019	4.8	12	112	<1.0	3.6	
		7/3/2019	<1.0	0.45	6.8	<1.0	0.61	
		12/7/2019	0.55 J	1.1	14.5	<1.0	0.43	
		3/3/2020	<1.0	0.77	12.1	<1.0	0.48	
		6/2/2020	<1.0	0.41	12	<1.0	1.3	
		12/18/2020	<1.0	<1.0	5.8	<1.0	<0.20	
		6/21/2021	<1.0	<0.4	5.1	<1.0	0.44	
		9/10/2021	<1.0	<0.4	3.9	<1.0	1.6	
		12/9/2021	<1.0	0.54	16	<1.0	2.3	
		4/7/2023	<1.0	<0.4	2.9	<1.0	<0.2	
		5/30/2024	Seep was dry/not present; no sample collected					
		8/1/2025	Seep was dry/not present; no sample collected					
PQL			1.0	1.0	1.0	1.0	0.2	
Surface Water Cleanup Levels			3.3	30	NA	10,000	2.4	

Notes:

All values reported in micrograms per liter (µg/L)

-- = Not analyzed for constituent

< = Not detected at the listed laboratory detection limits

PQL = Practical Quantification Limit (laboratory detection limit)

Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level

Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

* MTCA Method B cleanup level; Method A cleanup level not established

¹Pre-remediation seep samples were collected approximately 16 feet south of the current seep sampling location. However, both pre- and post-remediation samples are representative of the same source of seep water.

²Sample collected at the downstream catch basin. Pre-remediation sample was collected by the Washington State Department of Ecology from approximately the same location and named "Street - 2."

³Sample collected downstream of the carbon filter sock to demonstrate treatment efficiency.

J = The analyte was detected; the concentration is considered to be an estimate.

NA = Not Applicable; no cleanup level has been established for this constituent.

PCE = Tetrachloroethylene

TCE = Trichloroethylene

DCE = Dichloroethylene

APPENDIX A

LABORATORY DATASHEETS



Libby Environmental, Inc.

3322 South Bay Road NE • Olympia, WA 98506-2957

Phone (360) 352-2110 • libbyenv@gmail.com

August 08, 2025

Scott Rose

AEG an Atlas Geosciences NW Company

2633 Parkmont Lane SW, Suite A

Olympia, WA 98502

RE: Former Olympia Dry Cleaners

Work Order Number: L25H006

Enclosed are the results of analyses for samples received by our laboratory on 8/1/2025.

Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of within 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please feel free to contact us. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

A handwritten signature in black ink, appearing to read "Sherry Chilcutt", is written over a light gray rectangular background.

Sherry Chilcutt
Senior Chemist

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Rd NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Client: AEG

Address: 2633 Parkmount Lane SW, Suite A

City: Olympia State: WA Zip: 98502

Phone: (360) 352-9835 Fax: (360) 352-8164

Client Project # 19-222

Date: 08/01/25

Page: 1 of 1

Project Manager: Scott Rose

Project Name: Former Olympia Dry Cleaners

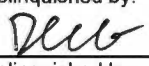
Location: 606 Union Ave City, State: Olympia, WA

Collector: DG Date of Collection: 08/01/25

Email: Srose@AEGWA.com

Page 2 of 10

Sample Number	Date	Time	Sample Type	Container Type	PCE w/ Daughter Product												Field Notes
1	MW-9	08/01/25	0801	GW	Voa	X											
2	MW-11	08/01/25	0831	GW	Voa	X											
3	MW-14	08/01/25	0855	GW	Voa	X											
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	

Relinquished by: 	Date / Time <u>08/01/25</u>	Received by: 	Date / Time <u>8/1/25 0938</u>	Sample Receipt Good Condition? <u>Y</u> <u>N</u> Temp. <u> </u> °C Seals Intact? <u>Y</u> <u>N</u> <u>N/A</u> Total Number of Containers <u> </u>	Remarks: TAT: 24HR 48HR <u>5-DAY</u>
Relinquished by:	Date / Time	Received by:	Date / Time		
Relinquished by:	Date / Time	Received by:	Date / Time		
Relinquished by:	Date / Time	Received by:	Date / Time		

LEGAL ACTION CLAUSE: In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a court of law.

Distribution: White - Lab, Yellow - File, Pink - Originator



Libby Environmental, Inc.

AEG an Atlas Geosciences NW Company
2633 Parkmont Lane SW, Suite A
Olympia, WA 98502

Project: Former Olympia Dry Cleaners
Project Number: 19-222
Project Manager: Scott Rose

City/State: Olympia, WA
Work Order: L25H006
Reported: 08/08/2025 10:50

Notes and Definitions

Item	Definition
RL	Reporting Limit
ND	Analyte NOT DETECTED at or above the reporting limit
DET	Analyte DETECTED at or above the reporting limit
Qual	Qualifier
All results reported on an "as received" basis unless indicated by "Dry"	

Work Order Sample Summary

Lab ID	Sample	Matrix	Date Sampled	Date Received
L25H006-01	MW-9	Water	08/01/2025	08/01/2025
L25H006-02	MW-11	Water	08/01/2025	08/01/2025
L25H006-03	MW-14	Water	08/01/2025	08/01/2025



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2633 Parkmont Lane SW, Suite A
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Project: Former Olympia Dry Cleaners
Project Number: 19-222
Project Manager: Scott Rose

City/State: Olympia, WA
Work Order: L25H006
Reported: 08/08/2025 10:50

Libby Environmental Sample Detection Summary

Analyte	Result	Qual	Units	RL	Method
Sample: MW-9			Lab#: L25H006-01		
Vinyl Chloride	3.4		ug/L	0.20	8260D
Sample: MW-14			Lab#: L25H006-03		
Vinyl Chloride	0.56		ug/L	0.20	8260D

Note: If no entry is made, then no target compounds were detected.



Libby Environmental, Inc.

AEG an Atlas Geosciences NW Company
2633 Parkmont Lane SW, Suite A
Olympia, WA 98502

Project: Former Olympia Dry Cleaners
Project Number: 19-222
Project Manager: Scott Rose

City/State: Olympia, WA
Work Order: L25H006
Reported: 08/08/2025 10:50

Sample Results

Client Sample ID: MW-9

Lab ID: L25H006-01 (Water)

Analyte	Result	Qual	RL	Units	Date Analyzed	Analyst Initials
<u>Volatile Organic Compounds by EPA Method 8260D</u>						
Vinyl Chloride (SIM)	3.4		0.20	ug/L	08/07/2025	DG
1,1-Dichloroethene	ND		0.50	ug/L	08/07/2025	DG
trans-1,2-Dichloroethene	ND		1.0	ug/L	08/07/2025	DG
cis-1,2-Dichloroethene	ND		1.0	ug/L	08/07/2025	DG
Trichloroethene (SIM)	ND		0.40	ug/L	08/07/2025	DG
Tetrachloroethene (SIM)	ND		1.0	ug/L	08/07/2025	DG
Surrogate: Dibromofluoromethane	94.6%		43.1-192		08/07/2025	DG
Surrogate: 1,2-Dichloroethane-d4	83.6%		29.2-203		08/07/2025	DG
Surrogate: Toluene-d8	78.7%		52.7-151		08/07/2025	DG
Surrogate: 4-Bromofluorobenzene	80.6%		58.9-123		08/07/2025	DG



Libby Environmental, Inc.

AEG an Atlas Geosciences NW Company
2633 Parkmont Lane SW, Suite A
Olympia, WA 98502

Project: Former Olympia Dry Cleaners
Project Number: 19-222
Project Manager: Scott Rose

City/State: Olympia, WA
Work Order: L25H006
Reported: 08/08/2025 10:50

Sample Results (Continued)

Client Sample ID: MW-11

Lab ID: L25H006-02 (Water)

Analyte	Result	Qual	RL	Units	Date Analyzed	Analyst Initials
<u>Volatile Organic Compounds by EPA Method 8260D</u>						
Vinyl Chloride (SIM)	ND		0.20	ug/L	08/07/2025	DG
1,1-Dichloroethene	ND		0.50	ug/L	08/07/2025	DG
trans-1,2-Dichloroethene	ND		1.0	ug/L	08/07/2025	DG
cis-1,2-Dichloroethene	ND		1.0	ug/L	08/07/2025	DG
Trichloroethene (SIM)	ND		0.40	ug/L	08/07/2025	DG
Tetrachloroethene (SIM)	ND		1.0	ug/L	08/07/2025	DG
Surrogate: Dibromofluoromethane	87.5%		43.1-192		08/07/2025	DG
Surrogate: 1,2-Dichloroethane-d4	75.8%		29.2-203		08/07/2025	DG
Surrogate: Toluene-d8	79.9%		52.7-151		08/07/2025	DG
Surrogate: 4-Bromofluorobenzene	80.0%		58.9-123		08/07/2025	DG



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Olympia, WA 98502

Project: Former Olympia Dry Cleaners
Project Number: 19-222
Project Manager: Scott Rose

City/State: Olympia, WA
Work Order: L25H006
Reported: 08/08/2025 10:50

Sample Results (Continued)

Client Sample ID: MW-14

Lab ID: L25H006-03 (Water)

Analyte	Result	Qual	RL	Units	Date Analyzed	Analyst Initials
<u>Volatile Organic Compounds by EPA Method 8260D</u>						
Vinyl Chloride (SIM)	0.56		0.20	ug/L	08/07/2025	DG
1,1-Dichloroethene	ND		0.50	ug/L	08/07/2025	DG
trans-1,2-Dichloroethene	ND		1.0	ug/L	08/07/2025	DG
cis-1,2-Dichloroethene	ND		1.0	ug/L	08/07/2025	DG
Trichloroethene (SIM)	ND		0.40	ug/L	08/07/2025	DG
Tetrachloroethene (SIM)	ND		1.0	ug/L	08/07/2025	DG
Surrogate: Dibromofluoromethane	87.8%		43.1-192		08/07/2025	DG
Surrogate: 1,2-Dichloroethane-d4	85.4%		29.2-203		08/07/2025	DG
Surrogate: Toluene-d8	81.5%		52.7-151		08/07/2025	DG
Surrogate: 4-Bromofluorobenzene	88.2%		58.9-123		08/07/2025	DG



Libby Environmental, Inc.

AEG an Atlas Geosciences NW Company
2633 Parkmont Lane SW, Suite A
Olympia, WA 98502

Project: Former Olympia Dry Cleaners
Project Number: 19-222
Project Manager: Scott Rose

City/State: Olympia, WA
Work Order: L25H006
Reported: 08/08/2025 10:50

Quality Control

Volatile Organic Compounds by EPA Method 8260D

Analyte	Result	Qual	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BZH0006 - VOA

Blank (BZH0006-BLK1)

Prepared & Analyzed: 8/7/2025

Vinyl Chloride (SIM)	ND		0.20	ug/L						
1,1-Dichloroethene	ND		0.50	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
Trichloroethene (SIM)	ND		0.40	ug/L						
Tetrachloroethene (SIM)	ND		1.0	ug/L						
Surrogate: Dibromofluoromethane			17.0	ug/L	20.0		85.1	43.1-192		
Surrogate: 1,2-Dichloroethane-d4			16.3	ug/L	20.0		81.4	29.2-203		
Surrogate: Toluene-d8			16.5	ug/L	20.0		82.7	52.7-151		
Surrogate: 4-Bromofluorobenzene			15.8	ug/L	20.0		78.9	58.9-123		

LCS (BZH0006-BS1)

Prepared & Analyzed: 8/7/2025

Vinyl Chloride (SIM)	10.7		0.20	ug/L	10.0		107	13.9-203		
1,1-Dichloroethene	11.3		0.50	ug/L	10.0		113	36.7-204		
trans-1,2-Dichloroethene	10.7		1.0	ug/L	10.0		107	45.1-165		
cis-1,2-Dichloroethene	10.5		1.0	ug/L	10.0		105	64.4-147		
Trichloroethene (SIM)	8.98		0.40	ug/L	10.0		89.8	62.6-136		
Tetrachloroethene (SIM)	8.46		1.0	ug/L	10.0		84.6	57.6-159		
Surrogate: Dibromofluoromethane			16.9	ug/L	20.0		84.3	43.1-192		
Surrogate: 1,2-Dichloroethane-d4			14.6	ug/L	20.0		73.0	29.2-203		
Surrogate: Toluene-d8			18.0	ug/L	20.0		90.2	52.7-151		
Surrogate: 4-Bromofluorobenzene			18.1	ug/L	20.0		90.4	58.9-123		

Duplicate (BZH0006-DUP1)

Parent: L25H006-01

Prepared & Analyzed: 8/7/2025

Vinyl Chloride (SIM)	3.08		0.20	ug/L		3.39			9.61	35
1,1-Dichloroethene	ND		0.50	ug/L		ND				35
trans-1,2-Dichloroethene	ND		1.0	ug/L		ND				35
cis-1,2-Dichloroethene	1.67		1.0	ug/L		ND				35
Trichloroethene (SIM)	ND		0.40	ug/L		0.119				35
Tetrachloroethene (SIM)	ND		1.0	ug/L		ND				35
Surrogate: Dibromofluoromethane			18.2	ug/L	20.0		91.0	43.1-192		
Surrogate: 1,2-Dichloroethane-d4			18.5	ug/L	20.0		92.7	29.2-203		
Surrogate: Toluene-d8			16.5	ug/L	20.0		82.5	52.7-151		
Surrogate: 4-Bromofluorobenzene			15.5	ug/L	20.0		77.4	58.9-123		



Libby Environmental, Inc.

AEG an Atlas Geosciences NW Company
2633 Parkmont Lane SW, Suite A
Olympia, WA 98502

Project: Former Olympia Dry Cleaners
Project Number: 19-222
Project Manager: Scott Rose

City/State: Olympia, WA
Work Order: L25H006
Reported: 08/08/2025 10:50

Quality Control (Continued)

Volatile Organic Compounds by EPA Method 8260D (Continued)

Analyte	Result	Qual	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Duplicate (BZH0006-DUP2)		Parent: L25H006-01			Prepared & Analyzed: 8/7/2025					
Vinyl Chloride (SIM)	ND		0.20	ug/L		3.39				35
1,1-Dichloroethene	ND		0.50	ug/L		ND				35
trans-1,2-Dichloroethene	ND		1.0	ug/L		ND				35
cis-1,2-Dichloroethene	ND		1.0	ug/L		ND				35
Trichloroethene (SIM)	ND		0.40	ug/L		0.119				35
Tetrachloroethene (SIM)	ND		1.0	ug/L		ND				35
Surrogate: Dibromofluoromethane			17.2	ug/L	20.0		85.8	43.1-192		
Surrogate: 1,2-Dichloroethane-d4			16.3	ug/L	20.0		81.6	29.2-203		
Surrogate: Toluene-d8			16.7	ug/L	20.0		83.4	52.7-151		
Surrogate: 4-Bromofluorobenzene			16.2	ug/L	20.0		80.8	58.9-123		
Matrix Spike (BZH0006-MS1)		Parent: L25H006-01			Prepared & Analyzed: 8/7/2025					
Vinyl Chloride (SIM)	11.9		0.20	ug/L	10.0	3.39	85.5	10-190		
1,1-Dichloroethene	10.7		0.50	ug/L	10.0	ND	107	11.5-209		
trans-1,2-Dichloroethene	9.05		1.0	ug/L	10.0	ND	90.5	33.9-168		
cis-1,2-Dichloroethene	10.4		1.0	ug/L	10.0	ND	104	37.6-167		
Trichloroethene (SIM)	7.78		0.40	ug/L	10.0	0.119	76.6	55.4-151		
Tetrachloroethene (SIM)	10.0		1.0	ug/L	10.0	ND	100	42.2-159		
Surrogate: Dibromofluoromethane			14.1	ug/L	20.0		70.7	43.1-192		
Surrogate: 1,2-Dichloroethane-d4			13.3	ug/L	20.0		66.7	29.2-203		
Surrogate: Toluene-d8			14.3	ug/L	20.0		71.4	52.7-151		
Surrogate: 4-Bromofluorobenzene			19.0	ug/L	20.0		94.8	58.9-123		
Matrix Spike Dup (BZH0006-MSD1)		Parent: L25H006-01			Prepared & Analyzed: 8/7/2025					
Vinyl Chloride (SIM)	11.2		0.20	ug/L	10.0	3.39	78.4	10-190	6.08	35
1,1-Dichloroethene	9.50		0.50	ug/L	10.0	ND	95.0	11.5-209	12.2	35
trans-1,2-Dichloroethene	8.67		1.0	ug/L	10.0	ND	86.7	33.9-168	4.24	35
cis-1,2-Dichloroethene	9.54		1.0	ug/L	10.0	ND	95.4	37.6-167	8.69	35
Trichloroethene (SIM)	7.18		0.40	ug/L	10.0	0.119	70.6	55.4-151	8.00	35
Tetrachloroethene (SIM)	8.87		1.0	ug/L	10.0	ND	88.7	42.2-159	12.3	35
Surrogate: Dibromofluoromethane			13.0	ug/L	20.0		65.1	43.1-192		
Surrogate: 1,2-Dichloroethane-d4			12.1	ug/L	20.0		60.6	29.2-203		
Surrogate: Toluene-d8			13.0	ug/L	20.0		65.0	52.7-151		
Surrogate: 4-Bromofluorobenzene			16.1	ug/L	20.0		80.4	58.9-123		

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

Former Olympia Dry Cleaners Project

AEG an Atlas Geosciences NW Company

Libby Work Order # L25H006

Date Received 8/1/2025

Time Received 9:38 AM

Received By MF

Sample Receipt Checklist

Chain of Custody

1. Is the Chain of Custody is complete? ☒ Yes ☐ No
2. How was the sample delivered? ☒ Hand Delivered ☐ Picked Up ☐ Shipped

Log In

3. Cooler or Shipping Container is present. ☒ Yes ☐ No ☐ N/A
4. Cooler or Shipping Container is in good condition. ☒ Yes ☐ No ☐ N/A
5. Cooler or Shipping Container has Custody Seals present. ☐ Yes ☒ No ☐ N/A
6. Was an attempt made to cool the samples? ☒ Yes ☐ No ☐ N/A
7. Temperature of cooler (0°C to 8°C recommended) 0.0 °C
8. Temperature of sample(s) (0°C to 8°C recommended) 5.0 °C
9. Did all containers arrive in good condition (unbroken)? ☒ Yes ☐ No
10. Is it clear what analyses were requested? ☒ Yes ☐ No
11. Did container labels match Chain of Custody? ☒ Yes ☐ No
12. Are matrices correctly identified on Chain of Custody? ☒ Yes ☐ No
13. Are correct containers used for the analysis indicated? ☒ Yes ☐ No
14. Is there sufficient sample volume for indicated analysis? ☒ Yes ☐ No
15. Were all containers properly preserved per each analysis? ☒ Yes ☐ No
16. Were VOA vials collected correctly (no headspace)? ☒ Yes ☐ No ☐ N/A
17. Were all holding times able to be met? ☒ Yes ☐ No

Discrepancies/ Notes

18. Was client notified of all discrepancies? ☐ Yes ☐ No ☒ N/A

Person Notified: _____

Date: _____

By Whom: _____

Via: _____

Regarding: _____

19. Comments. _____

