



October 20, 2021

827.001.47

Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, Washington 98008-5452

Attention: Mr. Hideo Fujita

**CLEANUP PROGRESS REPORT, THIRD QUARTER 2021
BSB PROPERTY, KENT, WASHINGTON
CONSENT DECREE No. 11-2-27288-5**

Dear Mr. Fujita:

On behalf of B.S.B. Diversified Company, Inc. (BSB), PES Environmental, Inc. (PES) is submitting this quarterly progress report for the cleanup action at the BSB property located at 8202 South 200th Street in Kent, Washington. The cleanup action is being implemented pursuant to the requirements of Consent Decree No. 11-2-27288-5 issued by the State of Washington Department of Ecology (Ecology), effective August 8, 2011.

This cleanup progress report, which is being submitted consistent with Section XI of the CD, covers the period of July 1 through September 30, 2021. This progress report includes discussions of: (1) a list of activities that took place during the reporting period, (2) a description of any deviations from the required tasks not already documented in project plans or reports, (3) any deviations from the cleanup action plan during the reporting period or planned deviations during the upcoming reporting period, (4) a plan for recovering any time lost due to schedule deviations, (5) all raw data received during the reporting period with the sample source identified, and (6) a list of deliverables for the upcoming reporting period if different from the schedule.

ACTIVITIES CONDUCTED DURING THE REPORTING PERIOD

During the third quarter of 2021, BSB conducted the following work:

- Pumped water from the vault through the air stripper treatment system to the sewer throughout the quarter. The system was pumped at an average rate of 1.25 gallons per minute (gpm) in July, 1.08 gpm in August, and 0.98 gpm in September, for an average pumping rate of 1.10 gpm for the quarter. A total of 146,269 gallons of water was discharged to the sewer during the quarter;
- Conducted periodic monitoring and maintenance of the pumping and treatment systems;

- Monitored groundwater levels in all piezometers and monitoring wells consistent with the Compliance Monitoring Plan¹ (as modified by the frequency reduction approved by Ecology²) on September 13; and,
- Collected discharge monitoring samples consistent with BSB's King County Industrial Waste (KCIW) permit on July 7 and submitted the samples to Fremont Analytical in Seattle for halogenated volatile organic compound (HVOC) analysis.

DEVIATIONS FROM REQUIRED TASKS NOT ALREADY REPORTED

No unreported deviations from required tasks occurred during the reporting period.

DEVIATIONS FROM CLEANUP ACTION PLAN

No deviations from the cleanup action plan occurred during the reporting period.

DEVIATIONS FROM THE SCHEDULE

No deviations from the schedule provided in the cleanup action plan occurred during the reporting period.

RAW DATA RECEIVED DURING THE REPORTING PERIOD

Attached are two tables summarizing the monthly vault data (Table 1) and the groundwater elevation data in paired shallow and intermediate monitoring points across the soil-bentonite cutoff wall (Table 2). Attachment A provides the September groundwater quality data for Compliance Monitoring Plan monitoring wells; the results are currently undergoing a data validation review. The data generated during the monthly discharge monitoring under BSB's KCIW permit are not included since they have already been transmitted to Ecology.

DELIVERABLES PROJECTED DURING THE UPCOMING REPORTING PERIOD

No deliverables are planned for the fourth quarter of 2021.

¹ PES Environmental, Inc. 2015. *Compliance Monitoring Plan, Shallow Aquifer Cleanup Action, BSB Property, Kent, Washington*. Submitted on behalf of B.S.B. Diversified Company, Inc., to the Washington State Department of Ecology. December 18.

² PES Environmental, Inc. 2017. *Cleanup Progress Report, BSB Property, Kent, Washington, Consent Decree No. 11-2-27288-5*. Submitted on behalf of B.S.B. Diversified Company, Inc., to the Washington State Department of Ecology. January 19.

If you have any questions or comments, please call me at (206) 529-3980.

Sincerely,

PES ENVIRONMENTAL, INC.

William R. Haldeman



William R. Haldeman, LHG, R.G.
Associate Hydrogeologist

Attachments: Table 1 – Monthly Summary of Vault Area Data
 Table 2 – Summary of Groundwater Elevations in Paired Monitoring Points
 Attachment A – September 2021 Analytical Laboratory Report

cc: John FitzSimons, B.S.B. Diversified Company, Inc.
 Ronald Burt, Burt Geology & Environmental Applications, PLLC
 Paul Beveridge, BeveridgeLaw, PS
 David DiBoyan, Hexcel Corporation

TABLES

Table 1

**Monthly Summary of Vault Area Data
BSB Property, Kent, Washington**

Month	Average Groundwater Elevation (feet)						Groundwater Extraction		SeaTac Airport Precipitation (inches)		
	Shallow Wells			Intermediate Wells			Inside Vault			Monthly Totals (gallons)	Monthly Average Rate (gpm)
	Inside P-1	Outside P-3	ΔH	Inside P-2	Outside P-4	ΔH	Cell 6 P-5	Cell 1 P-6			
April 2012	24.95	23.04	-1.91	25.36	22.59	-2.77	21.34	–	102,629	2.38	2.68
May 2012	21.14	22.40	1.26	22.65	21.61	-1.04	18.13	–	155,907	3.49	2.05
June 2012	20.30	22.41	2.11	21.80	21.60	-0.20	17.09	–	112,027	2.59	2.96
July 2012	19.74	21.68	1.94	21.12	21.19	0.07	17.25	–	104,169	2.33	1.04
August 2012	19.61	20.84	1.23	20.75	20.57	-0.17	17.42	–	75,009	1.68	0.00
September 2012	19.53	20.24	0.71	20.47	20.21	-0.26	17.65	–	53,519	1.24	0.03
October 2012	20.09	20.88	0.78	20.70	20.49	-0.21	18.59	–	38,014	0.85	6.71
November 2012	22.65	22.64	-0.01	22.84	21.71	-1.13	21.19	–	39,130	0.91	8.28
December 2012	24.81	23.14	-1.68	24.81	22.28	-2.53	21.87	–	52,135	1.17	6.85
2012	21.43	21.92	0.49	22.28	21.36	-0.92	18.95	–	732,539	1.85	30.60
January 2013	24.18	22.79	-1.39	24.58	22.09	-2.49	19.05	–	91,196	2.04	4.16
February 2013	23.14	22.50	-0.64	23.90	21.84	-2.06	16.79	19.49	99,665	2.47	1.58
March 2013	21.39	22.55	1.16	22.62	21.75	-0.87	16.99	18.56	116,507	2.61	2.74
April 2013	22.01	22.85	0.84	23.04	22.08	-0.96	17.01	19.84	101,804	2.36	5.89
May 2013	21.68	22.17	0.49	22.72	21.60	-1.13	18.95	19.96	76,717	1.72	2.38
June 2013	21.20	21.61	0.42	22.34	21.09	-1.25	16.03	19.27	94,440	2.19	1.30
July 2013	20.51	20.88	0.36	21.56	20.65	-0.90	16.51	18.61	68,125	1.53	0.00
August 2013	20.04	20.41	0.37	21.05	20.28	-0.77	17.16	18.71	65,936	1.48	1.35
September 2013	19.69	21.21	1.52	20.68	20.69	0.01	17.36	18.24	53,781	1.24	6.17
October 2013	20.38	21.83	1.46	21.18	21.20	0.02	18.11	19.07	41,790	0.94	1.54
November 2013	20.76	21.75	1.00	21.48	21.16	-0.32	19.14	19.63	40,384	0.93	3.79
December 2013	20.93	21.59	0.66	21.67	21.04	-0.63	19.51	19.79	44,459	1.00	1.66
2013	21.33	21.84	0.52	22.24	21.29	-0.95	17.72	19.20	894,804	1.70	32.56
January 2014	21.62	21.90	0.28	22.37	21.27	-1.10	20.04	20.39	51,451	1.15	3.70
February 2014	21.81	22.64	0.83	22.77	21.85	-0.92	20.22	20.18	60,139	1.49	6.11
March 2014	23.58	23.44	-0.15	24.39	22.55	-1.83	21.28	22.01	65,695	1.47	9.44
April 2014	23.94	23.07	-0.87	24.65	22.27	-2.38	22.24	22.52	58,332	1.35	4.18
May 2014	23.87	22.74	-1.13	24.65	22.06	-2.59	22.78	22.43	67,228	1.51	3.15
June 2014	21.83	21.74	-0.09	22.98	21.28	-1.70	21.84	20.08	94,124	2.18	0.73
July 2014	19.98	21.03	1.05	21.37	20.77	-0.61	19.53	18.14	86,821	1.94	0.77
August 2014	19.56	20.84	1.28	20.82	20.59	-0.23	19.00	17.89	72,250	1.62	1.81
September 2014	19.41	20.85	1.44	20.45	20.37	-0.08	18.78	17.84	58,205	1.35	2.23
October 2014	19.59	21.51	1.93	20.50	20.81	0.31	18.75	18.07	55,553	1.24	6.75
November 2014	20.21	22.43	2.22	21.14	21.65	0.52	18.88	18.11	73,872	1.71	4.84
December 2014	20.36	22.88	2.52	21.45	22.16	0.71	18.90	17.93	91,238	2.04	4.79
2014	21.31	22.09	0.78	22.29	21.47	-0.82	20.19	19.63	834,908	1.59	48.50
January 2015	20.45	22.95	2.51	21.68	22.29	0.60	18.86	18.02	91,055	2.04	3.66
February 2015	20.39	23.19	2.80	21.82	22.45	0.64	18.87	17.86	93,948	2.33	5.27
March 2015	20.33	23.04	2.71	21.70	22.29	0.59	18.64	17.99	104,656	2.34	4.47
April 2015	20.08	22.75	2.67	21.60	22.09	0.49	18.40	17.85	103,400	2.39	2.03
May 2015	19.66	21.82	2.16	21.11	21.48	0.37	18.17	17.85	87,746	1.97	0.58
June 2015	19.43	21.05	1.62	20.69	20.89	0.20	18.03	17.83	71,754	1.66	0.23
July 2015	19.29	20.37	1.08	20.36	20.27	-0.09	17.96	17.78	62,364	1.40	0.09
August 2015	19.14	20.14	1.00	20.08	19.98	-0.10	17.96	17.76	53,726	1.20	3.28
September 2015	19.08	20.61	1.53	19.93	20.18	0.26	18.01	17.78	46,710	1.08	0.83
October 2015	19.03	20.98	1.95	19.84	20.39	0.55	18.04	17.76	44,053	0.99	4.81
November 2015	19.47	22.40	2.93	20.33	21.59	1.26	18.25	17.79	59,260	1.37	8.37

Table 1

**Monthly Summary of Vault Area Data
BSB Property, Kent, Washington**

Month	Average Groundwater Elevation (feet)								Groundwater Extraction		SeaTac Airport Precipitation (inches)
	Shallow Wells			Intermediate Wells			Inside Vault		Monthly Totals (gallons)	Monthly Average Rate (gpm)	
	Inside P-1	Outside P-3	ΔH	Inside P-2	Outside P-4	ΔH	Cell 6 P-5	Cell 1 P-6			
December 2015	20.06	23.35	3.30	21.18	22.64	1.46	18.47	17.85	85,791	1.92	11.21
2015	19.70	21.89	2.19	20.86	21.38	0.52	18.31	17.84	904,463	1.72	44.83
January 2016	20.33	23.33	3.00	21.58	22.69	1.11	18.58	17.93	91,064	2.04	7.45
February 2016	20.52	23.52	3.01	21.95	22.89	0.95	18.56	18.17	92,097	2.21	5.97
March 2016	20.41	23.61	3.21	22.03	23.02	0.99	18.05	17.80	91,359	2.05	5.52
April 2016	20.03	22.65	2.62	21.56	22.33	0.77	18.12	17.92	92,238	2.14	1.19
May 2016	19.63	21.92	2.28	21.01	22.03	1.02	18.08	17.86	77,419	1.73	0.94
June 2016	19.56	21.63	2.07	20.77	21.23	0.46	18.07	17.95	63,280	1.46	1.77
July 2016	19.43	21.36	1.93	20.56	20.89	0.33	18.07	17.85	64,599	1.45	0.72
August 2016	19.32	20.59	1.27	20.34	20.33	-0.01	18.06	17.88	58,816	1.32	0.17
September 2016	19.08	20.61	1.53	19.93	20.18	0.26	18.01	17.78	50,751	1.17	1.05
October 2016	19.37	21.81	2.44	20.27	20.96	0.69	18.10	17.93	57,985	1.30	10.05
November 2016	19.95	22.97	3.02	21.06	22.13	1.07	18.32	18.20	73,164	1.69	6.48
December 2016	20.13	23.12	2.99	21.34	22.29	0.95	18.44	18.12	90,373	2.03	3.87
2016	19.81	22.26	2.45	21.03	21.75	0.72	18.21	17.95	903,145	1.71	45.18
January 2017	20.23	23.08	2.85	21.54	22.40	0.86	18.48	18.07	92,992	2.08	4.22
February 2017	20.89	23.96	3.07	22.36	23.02	0.66	18.54	18.48	129,374	3.21	8.85
March 2017	20.84	23.81	2.97	22.57	23.10	0.53	17.96	17.90	115,878	2.60	7.31
April 2017	20.89	23.58	2.69	22.73	22.92	0.19	18.07	17.99	141,476	3.27	4.21
May 2017	20.64	23.18	2.53	22.53	22.63	0.10	18.15	17.98	126,185	2.83	2.28
June 2017	20.03	22.38	2.36	21.73	22.00	0.27	18.15	17.99	90,434	2.09	1.52
July 2017	19.74	21.32	1.58	21.18	21.29	0.10	18.14	18.12	70,849	1.59	0.00
August 2017	20.03	20.75	0.72	21.11	20.78	-0.32	18.25	18.87	46,350	1.04	0.02
September 2017	19.87	20.73	0.86	20.85	20.56	-0.29	18.51	18.79	43,435	1.01	0.61
October 2017	19.72	21.34	1.62	20.58	20.79	0.21	18.57	18.52	45,017	1.01	4.80
November 2017	21.02	22.70	1.68	21.63	21.88	0.25	19.87	19.92	29,036	0.67	8.63
December 2017	21.11	22.98	1.87	22.04	22.30	0.27	19.79	19.88	62,616	1.40	5.43
2017	20.42	22.48	2.07	21.74	21.97	0.24	18.54	18.54	993,642	1.89	47.88
January 2018	22.57	23.61	1.04	23.19	22.86	-0.33	20.85	21.74	32,062	0.72	8.12
February 2018	22.99	23.35	0.36	23.78	22.71	-1.06	21.92	22.00	48,222	1.20	2.16
March 2018	21.68	22.97	1.29	23.00	22.26	-0.73	21.26	19.91	108,566	2.43	2.44
April 2018	20.48	23.26	2.78	22.21	22.51	0.30	18.48	18.25	109,415	2.53	5.69
May 2018	19.87	22.22	2.35	21.56	21.85	0.30	18.14	17.98	88,365	1.98	0.12
June 2018	19.58	21.53	1.96	21.00	21.25	0.26	18.04	18.02	65,272	1.51	0.63
July 2018	19.59	20.91	1.32	20.79	20.76	-0.03	18.10	18.36	50,594	1.13	0.05
August 2018	19.84	20.42	0.58	20.77	20.38	-0.39	18.18	18.98	33,061	0.74	0.20
September 2018	19.66	20.48	0.83	20.61	20.29	-0.32	18.58	18.62	52,057	1.21	1.04
October 2018	19.03	21.14	2.11	20.08	20.59	0.50	18.59	17.82	52,455	1.18	3.78
November 2018	19.12	21.85	2.73	20.19	21.17	0.98	18.66	17.87	47,830	1.11	5.42
December 2018	20.10	22.73	2.62	20.99	21.87	0.89	18.79	19.01	39,334	0.88	6.08
2018	20.37	22.04	1.66	21.51	21.54	0.03	19.13	19.05	727,233	1.51	35.73
January 2019	21.14	23.04	1.91	22.09	22.37	0.28	19.76	20.05	53,727	1.20	3.83
February 2019	22.13	23.45	1.32	22.87	22.65	-0.21	20.48	20.97	72,183	1.79	4.62
March 2019	20.27	22.69	2.42	21.84	22.11	0.27	19.04	18.21	113,941	2.55	1.37
April 2019	20.19	22.84	2.65	21.66	22.02	0.36	18.16	18.21	87,742	2.03	3.53
May 2019	19.78	21.97	2.19	21.32	21.48	0.16	18.16	17.94	84,096	1.88	0.62
June 2019	20.71	21.35	0.64	21.56	20.98	-0.57	18.33	19.76	30,719	0.71	0.90

Table 1

**Monthly Summary of Vault Area Data
BSB Property, Kent, Washington**

Month	Average Groundwater Elevation (feet)						Groundwater Extraction		SeaTac Airport Precipitation (inches)		
	Shallow Wells			Intermediate Wells			Inside Vault			Monthly Totals (gallons)	Monthly Average Rate (gpm)
	Inside P-1	Outside P-3	Δ H	Inside P-2	Outside P-4	Δ H	Cell 6 P-5	Cell 1 P-6			
July 2019	20.24	21.17	0.93	21.38	20.78	-0.60	18.86	18.89	63,230	1.42	1.15
August 2019	19.58	20.71	1.13	20.75	20.46	-0.29	18.82	18.20	55,797	1.25	1.20
September 2019	19.46	21.66	2.19	20.60	20.90	0.30	18.82	18.07	53,049	1.23	3.32
October 2019	19.54	21.94	2.40	20.63	21.20	0.57	18.85	18.02	58,116	1.30	3.67
November 2019	19.58	21.92	2.34	20.76	21.32	0.55	18.89	18.09	60,461	1.40	1.71
December 2019	19.80	22.59	2.79	20.99	21.82	0.83	18.98	18.31	64,675	1.45	7.96
2019	20.20	22.11	1.91	21.37	21.51	0.14	18.93	18.73	797,736	1.52	33.88
January 2020	20.46	23.55	3.10	21.67	22.59	0.92	19.10	18.56	80,888	1.81	9.23
February 2020	20.65	23.44	2.79	22.06	22.71	0.65	19.21	18.52	93,430	2.24	4.05
March 2020	20.39	23.01	2.62	21.81	22.20	0.39	19.21	18.44	84,472	1.89	3.17
April 2020	20.10	22.55	2.45	21.50	23.34	1.84	19.18	18.19	71,683	1.66	1.70
May 2020	20.23	22.41	2.17	21.50	21.75	0.25	19.14	18.53	68,401	1.53	3.12
June 2020	20.26	22.50	2.23	21.53	21.66	0.13	19.15	18.43	67,843	1.57	2.28
July 2020	19.74	21.52	1.78	21.09	21.12	0.03	19.08	17.99	68,838	1.54	0.17
August 2020	19.45	20.81	1.36	20.68	20.61	-0.06	18.96	17.93	60,038	1.34	0.31
September 2020	19.90	20.77	0.87	20.74	20.36	-0.38	18.90	18.83	36,383	0.84	2.48
October 2020	19.35	21.41	2.06	20.37	20.67	0.30	18.91	17.92	54,523	1.22	2.56
November 2020	19.89	22.49	2.59	20.79	21.36	0.57	18.96	18.46	49,974	1.16	5.58
December 2020	19.88	22.97	3.09	21.06	21.89	0.82	19.00	18.12	67,891	1.52	6.65
2020	20.04	22.22	2.18	21.25	21.67	0.42	19.07	18.35	804,365	1.67	41.30
January 2021	20.33	23.58	3.25	21.65	22.66	1.02	19.10	18.36	74,200	1.66	8.75
February 2021	20.75	23.47	2.72	22.06	22.53	0.47	19.18	18.81	87,530	2.17	4.68
March 2021	20.43	23.13	2.70	21.93	22.27	0.34	18.62	18.27	87,880	1.97	2.61
April 2021	20.22	22.55	2.32	21.69	21.86	0.17	18.39	18.25	78,827	1.82	1.03
May 2021	19.97	22.23	2.25	21.33	21.48	0.15	18.24	18.14	71,735	1.61	1.12
June 2021	19.82	22.09	2.27	21.13	21.32	0.18	18.13	18.06	63,518	1.47	1.91
July 2021	19.69	21.05	1.36	20.89	20.81	-0.09	18.07	18.13	55,726	1.25	0.00
August 2021	19.64	20.40	0.76	20.67	20.33	-0.34	18.11	18.32	48,321	1.08	0.11
September 2021	19.55	20.54	0.99	20.44	20.29	-0.15	18.18	18.33	42,223	0.98	3.02
2021	20.04	22.11	2.07	21.31	21.50	0.19	18.45	18.30	609,960	1.55	23.23

Notes: 1. Elevations in feet relative to the North American Vertical Datum of 1988 (NAVD 88).
2. Inside or outside refers to the location of the piezometer relative to the soil-bentonite cutoff wall.
4. Δ H = groundwater elevation difference; positive = inward gradient, which is shaded in blue, and negative = outward gradient, which is shaded in red.
3. gpm = gallons per minute.
4. NA = not available.
5. Groundwater extracted from Cell 6 through 2/12/13, from Cells 1 and 6 from 2/13/13 through 7/20/13 and from Cell 1 after 7/20/13.

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
Shallow																			
2/6/12	-	3.63	21.29	23.03	1.74	23.36	23.24	-0.12	24.84	24.71	-0.13	23.67	25.15	1.48	23.60	23.45	-0.15	-	-
2/24/12	-	-	20.47	23.20	2.73	22.53	24.52	1.99	24.15	24.82	0.67	22.88	25.19	2.31	19.75	23.60	3.85	-	-
3/13/12	-	7.20	23.69	23.51	-0.18	24.77	23.49	-1.28	25.83	25.35	-0.48	24.79	25.52	0.73	23.51	24.07	0.56	-	-
3/27/12	0.6	-	26.28	23.51	-2.77	26.53	22.91	-3.62	26.82	24.91	-1.91	26.20	25.32	-0.88	26.18	23.60	-2.58	-	-
4/9/12	2.0	2.68	25.76	23.13	-2.63	26.36	22.84	-3.52	26.82	23.90	-2.92	26.06	25.33	-0.73	25.59	23.57	-2.02	-	-
4/26/12	3.0	-	22.84	23.16	0.32	24.65	24.22	-0.43	25.89	24.89	-1.00	24.75	25.23	0.48	22.34	23.58	1.24	-	-
5/4/12	4.0	2.05	22.09	22.95	0.86	23.86	22.87	-0.99	25.27	24.92	-0.35	24.13	25.26	1.13	21.90	23.55	1.65	-	-
5/7/12	4.0	-	21.96	22.76	0.80	23.85	22.59	-1.26	25.17	24.66	-0.51	24.03	25.08	1.05	21.63	23.28	1.65	-	-
5/10/12	4.0	-	21.44	22.36	0.92	23.37	22.22	-1.15	24.75	24.37	-0.38	23.64	24.85	1.21	21.10	22.93	1.83	-	-
6/11/12	2.5	2.96	20.31	22.44	2.13	21.84	22.22	0.38	22.40	24.16	1.76	22.26	24.56	2.30	19.98	22.92	2.94	-	-
6/25/12	2.5	-	20.28	22.45	2.17	21.65	22.24	0.59	22.78	24.08	1.30	22.01	24.40	2.39	19.97	22.89	2.92	-	-
6/26/12	2.5	-	21.02	22.27	1.25	22.00	22.05	0.05	22.92	23.99	1.07	22.26	24.36	2.10	20.74	22.75	2.01	-	-
7/3/12	2.5	1.04	19.80	21.89	2.09	21.21	22.01	0.80	22.44	23.71	1.27	21.71	24.07	2.36	19.55	22.51	2.96	-	-
7/18/12	2.5	-	19.57	21.12	1.55	20.82	21.11	0.29	21.99	23.11	1.12	21.32	23.49	2.17	19.31	21.94	2.63	-	-
8/2/12	2.0	0.00	19.48	20.93	1.45	20.61	20.91	0.30	21.61	22.88	1.27	21.07	23.25	2.18	19.24	21.77	2.53	-	-
8/9/12	2.0	-	19.37	20.69	1.32	20.46	20.79	0.33	21.42	22.65	1.23	20.90	23.00	2.10	19.11	21.57	2.46	-	-
8/20/12	1.5	-	19.53	20.50	0.97	20.48	20.48	0.00	21.33	22.33	1.00	20.92	22.71	1.79	19.36	21.40	2.04	-	-
9/19/12	1.0	0.03	19.34	19.97	0.63	20.16	19.98	-0.18	20.85	21.65	0.80	20.52	22.02	1.50	19.23	20.90	1.67	-	-
10/8/12	1.0	6.71	19.74	19.83	0.09	20.43	19.91	-0.52	20.96	21.34	0.38	20.74	21.70	0.96	19.71	20.76	1.05	-	-
11/9/12	1.0	8.28	22.01	22.50	0.49	22.60	20.47	-2.13	22.93	23.27	0.34	22.56	23.60	1.04	21.84	22.45	0.61	-	-
12/3/12	1.0	6.85	23.95	23.38	-0.57	24.48	22.72	-1.76	24.69	25.10	0.41	24.12	25.39	1.27	24.08	23.82	-0.26	-	-
2012 Shallow Averages			21.59	22.14	0.55	22.70	21.88	-0.82	23.51	23.73	0.21	22.88	24.17	1.29	21.66	22.71	1.05	-	-
1/4/13	1.5	4.16	24.69	23.02	-1.67	25.34	22.79	-2.55	25.69	24.74	-0.95	25.07	25.11	0.04	24.63	23.29	-1.34	-	-
1/24/13	3.0	-	22.54	22.14	-0.40	23.78	22.18	-1.60	24.56	24.31	-0.25	23.92	24.76	0.84	22.38	22.96	0.58	-	-
2/1/13	2.0	1.58	23.99	22.89	-1.10	25.11	22.35	-2.76	25.73	24.76	-0.97	24.69	25.10	0.41	23.75	23.42	-0.33	-	-
3/1/13	3.0	2.74	21.48	22.44	0.96	23.08	22.40	-0.68	24.16	24.23	0.07	23.15	24.58	1.43	21.15	23.06	1.91	-	-
4/5/13	2.8	5.89	20.17	22.12	1.95	21.83	22.26	0.43	23.10	24.04	0.94	22.29	24.44	2.15	19.92	22.99	3.07	-	-
5/3/13	3.0	2.38	20.89	22.08	1.19	22.59	22.06	-0.53	23.76	24.08	0.32	22.91	24.61	1.70	20.53	22.92	2.39	-	-
5/14/13	0.6	-	21.33	21.88	0.55	22.44	21.88	-0.56	23.32	23.82	0.50	22.72	24.23	1.51	21.27	22.55	1.28	-	-
6/7/13	1.8	1.30	21.40	21.49	0.09	22.70	21.46	-1.24	23.63	23.56	-0.07	22.90	23.93	1.03	21.23	22.30	1.07	-	-
7/12/13	2.0	0.00	19.98	20.86	0.88	21.22	20.82	-0.40	22.24	22.77	0.53	21.62	23.13	1.51	19.83	21.75	1.92	-	-
8/6/13	1.5	1.35	20.10	20.29	0.19	21.09	20.29	-0.80	21.88	22.06	0.18	21.45	22.45	1.00	20.08	21.21	1.13	-	-
9/9/13	1.5	6.17	19.55	21.16	1.61	20.51	20.83	0.32	21.25	22.50	1.25	20.88	22.97	2.09	19.46	21.76	2.30	-	-

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
10/11/13	1.0	1.54	20.12	22.09	1.97	20.91	21.24	0.33	21.61	23.49	1.88	21.25	23.88	2.63	20.05	22.55	2.50	-	-
11/8/13	1.0	3.79	20.45	21.87	1.42	21.16	21.78	0.62	21.69	23.40	1.71	21.46	23.78	2.32	20.48	22.57	2.09	-	-
12/6/13	1.0	1.66	20.85	21.40	0.55	21.55	21.58	0.03	22.04	23.01	0.97	21.70	23.53	1.83	20.82	22.14	1.32	-	-
2013 Shallow Averages			21.14	21.81	0.67	22.26	21.66	-0.60	23.07	23.55	0.49	22.45	23.96	1.51	20.99	22.50	1.50	-	-
1/13/14	1.0	3.70	21.69	22.28	0.59	22.61	21.69	-0.92	23.06	23.90	0.84	22.51	24.39	1.88	21.58	22.85	1.27	-	-
2/7/14	1.5	6.11	21.00	21.42	0.42	22.05	21.50	-0.55	22.76	22.49	-0.27	22.33	24.03	1.70	20.90	22.47	1.57	-	-
3/14/14	1.5	9.44	23.54	23.36	-0.18	24.64	23.36	-1.28	25.35	25.53	0.18	24.62	25.79	1.17	23.25	24.18	0.93	-	-
4/11/14	1.5	4.18	23.46	22.49	-0.97	24.60	22.48	-2.12	25.32	24.58	-0.74	24.57	25.05	0.48	23.35	23.29	-0.06	-	-
5/8/14	1.5	3.15	24.20	23.05	-1.15	26.07	22.92	-3.15	26.02	25.02	-1.00	25.22	25.41	0.19	23.98	23.86	-0.12	-	-
6/5/14	1.5	0.73	22.71	21.59	-1.12	23.87	21.59	-2.28	24.44	23.56	-0.88	23.88	24.12	0.24	22.63	22.45	-0.18	-	-
7/3/14	2.5	0.77	20.00	20.98	0.98	21.40	20.97	-0.43	22.51	22.85	0.34	21.88	23.27	1.39	19.95	21.80	1.85	-	-
8/6/14	1.75	1.81	19.48	20.50	1.02	20.60	20.47	-0.13	21.55	22.16	0.61	21.07	22.55	1.48	19.45	21.34	1.89	-	-
9/4/14	1.48	2.23	19.29	21.15	1.86	20.24	20.84	0.60	21.04	22.16	1.12	20.69	22.61	1.92	19.23	21.57	2.34	-	-
10/10/14	1.13	6.75	19.29	20.39	1.10	20.09	20.33	0.24	20.74	21.79	1.05	20.48	22.28	1.80	19.24	21.20	1.96	-	-
11/13/14	1.80	4.84	20.14	22.14	2.00	21.20	21.90	0.70	21.90	23.66	1.76	21.48	24.11	2.63	19.81	22.76	2.95	-	-
12/5/14	2.00	4.79	20.07	22.16	2.09	21.18	22.18	1.00	21.97	23.91	1.94	21.50	24.44	2.94	19.77	22.90	3.13	-	-
2014 Shallow Averages			21.24	21.79	0.55	22.38	21.69	-0.69	23.06	23.47	0.41	22.52	24.00	1.49	21.10	22.56	1.46	-	-
1/14/15	2.00	3.66	20.16	22.52	2.36	21.50	22.45	0.95	22.50	24.27	1.77	21.88	24.81	2.93	19.83	23.15	3.32	-	-
2/13/15	2.50	5.27	20.51	23.20	2.69	22.05	23.58	1.53	23.08	25.10	2.02	22.31	25.52	3.21	20.10	23.87	3.77	-	-
3/13/15	2.29	4.47	19.84	22.27	2.43	21.17	22.22	1.05	22.17	24.11	1.94	21.68	24.64	2.96	19.68	22.81	3.13	-	-
4/10/15	2.60	2.03	20.10	22.37	2.27	21.52	22.32	0.80	22.63	24.27	1.64	22.04	24.79	2.75	19.95	23.13	3.18	-	-
5/1/15	2.00	0.58	19.79	22.02	2.23	21.12	21.95	0.83	22.16	23.83	1.67	21.64	24.33	2.69	19.72	22.76	3.04	-	-
6/5/15	1.85	0.23	19.41	21.18	1.77	20.49	21.12	0.63	21.35	22.79	1.44	20.99	23.25	2.26	19.38	21.96	2.58	-	-
7/2/15	1.60	0.09	19.22	20.45	1.23	20.22	20.46	0.24	21.02	21.98	0.96	20.68	22.39	1.71	19.22	21.34	2.12	-	-
8/7/15	1.30	3.28	19.07	19.85	0.78	19.93	19.85	-0.08	20.61	21.11	0.50	20.34	21.54	1.20	19.05	20.75	1.70	-	-
9/4/15	1.09	0.83	19.04	20.69	1.65	19.78	20.41	0.63	20.37	21.44	1.07	20.14	21.88	1.74	19.02	21.22	2.20	-	-
10/16/15	0.92	4.81	18.88	20.98	2.10	19.59	20.67	1.08	20.13	21.53	1.40	19.99	22.03	2.04	18.88	21.50	2.62	-	-
11/6/15	1.20	8.37	19.02	21.71	2.69	19.68	21.36	1.68	20.20	22.48	2.28	20.04	23.02	2.98	18.91	22.09	3.18	-	-
12/4/15	1.67	11.21	19.61	22.58	2.97	20.50	22.47	1.97	21.07	24.10	3.03	20.91	24.57	3.66	19.39	23.33	3.94	-	-
2015 Shallow Averages			19.55	21.65	2.10	20.63	21.57	0.94	21.44	23.08	1.64	21.05	23.56	2.51	19.43	22.33	2.90	-	-
1/16/16	2.10	7.45	20.06	23.06	3.00	21.27	NM	-	22.06	24.90	2.84	21.71	25.32	3.61	19.82	NM	-	-	-
2/5/16	0.26	5.97	20.45	23.48	3.03	21.78	23.40	1.62	22.70	25.43	2.73	22.15	25.85	3.70	20.24	24.20	3.96	-	-
3/4/16	2.46	5.52	20.50	23.67	3.17	22.15	23.56	1.41	23.17	25.61	2.44	22.48	26.00	3.52	20.12	24.37	4.25	-	-
4/1/16	1.69	1.19	20.07	22.80	2.73	21.59	22.78	1.19	22.75	24.73	1.98	22.12	25.22	3.10	19.91	23.52	3.61	-	-

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
5/6/16	1.94	0.94	19.62	21.82	2.20	20.82	21.80	0.98	21.76	23.55	1.79	21.39	24.02	2.63	19.56	22.61	3.05	-	-
6/2/16	1.61	1.77	19.40	21.57	2.17	20.47	21.59	1.12	21.34	22.88	1.54	21.02	23.32	2.30	19.40	22.25	2.85	-	-
7/7/16	1.47	0.72	19.21	21.20	1.99	20.25	21.06	0.81	21.04	22.34	1.30	20.78	22.80	2.02	19.18	21.95	2.77	-	-
8/5/16	1.40	0.17	19.18	20.68	1.50	20.14	20.59	0.45	20.86	21.84	0.98	20.74	22.20	1.46	19.22	21.48	2.26	-	-
9/26/16	1.20	1.05	18.98	20.33	1.35	NM	20.18	-	20.44	21.09	0.65	20.29	21.45	1.16	19.03	21.04	2.01	-	-
10/14/16	1.31	10.05	20.35	22.03	1.68	NM	21.71	-	20.61	21.87	1.26	20.49	22.24	1.75	19.24	22.64	3.40	-	-
11/11/16	1.60	6.48	19.97	22.70	2.73	NM	22.48	-	21.53	24.06	2.53	21.26	24.58	3.32	19.82	23.31	3.49	-	-
12/2/16	1.80	3.87	19.80	22.80	3.00	20.86	22.72	1.86	21.63	24.39	2.76	21.31	24.90	3.59	19.75	23.38	3.63	-	-
2016 Shallow Averages			19.80	22.18	2.38	21.04	21.99	1.18	21.66	23.56	1.90	21.31	23.99	2.68	19.61	22.80	3.21	-	-
1/13/17	2.00	4.22	19.84	22.43	2.59	20.96	22.21	1.25	21.74	24.06	2.32	21.29	24.51	3.22	19.67	22.95	3.28	-	-
2/3/17	2.07	8.85	19.88	22.69	2.81	21.51	22.68	1.17	22.64	24.59	1.95	22.05	25.13	3.08	19.83	23.52	3.69	-	-
3/3/17	3.30	7.31	20.40	23.41	3.01	21.95	23.51	1.56	23.06	25.59	2.53	22.33	25.77	3.44	20.02	24.26	4.24	-	-
4/6/17	1.96	3.27	-	-	-	22.92	23.76	0.84	-	-	-	-	-	-	-	-	-	-	-
5/4/17	3.33	2.28	20.64	23.37	2.73	22.39	23.29	0.90	23.78	24.94	1.16	22.95	25.38	2.43	20.34	23.88	3.54	-	-
6/27/17	2.01	1.52	19.52	21.69	2.17	20.62	21.77	1.15	21.50	23.16	1.66	21.20	23.50	2.30	19.55	22.37	2.82	-	-
7/13/17	1.55	0.00	19.56	21.21	1.65	20.78	21.19	0.41	-	-	-	-	-	-	-	-	-	-	-
9/25/17	1.05	0.59	19.56	20.67	1.11	20.99	20.26	-0.73	20.60	21.46	0.86	20.37	22.54	2.17	19.40	22.38	2.98	-	-
10/11/17	1.05	4.80	19.37	20.49	1.12	20.17	20.31	0.14	-	-	-	-	-	-	-	-	-	-	-
11/6/17	1.04	8.63	20.14	22.23	2.09	NM	21.87	-	-	-	-	-	-	-	-	-	-	-	-
12/14/17	1.70	5.43	20.61	22.15	1.54	21.56	22.11	0.55	22.17	23.90	1.73	21.99	24.43	2.44	20.62	22.94	2.32	-	-
2017 Shallow Averages			19.95	22.03	2.08	21.39	22.09	0.72	22.21	23.96	1.74	21.74	24.47	2.73	19.92	23.19	3.27	-	-
3/12/18	1.43	2.44	21.89	22.89	1.00	23.21	22.85	-0.36	24.04	24.41	0.37	23.49	24.66	1.17	21.69	23.40	1.71	-	-
6/30/18	1.40	0.63	19.35	21.10	1.75	NM	21.03	-	21.31	22.39	1.08	20.99	22.82	1.83	19.46	21.91	2.45	-	-
9/17/18	1.50	1.04	19.04	20.88	1.84	19.90	20.49	0.59	20.62	20.93	0.31	20.37	21.45	1.08	19.18	21.15	1.97	-	-
12/10/18	1.19	6.08	19.41	22.37	2.96	20.23	22.03	1.80	20.81	23.03	2.22	21.02	23.72	2.70	19.49	22.76	3.27	-	-
2018 Shallow Averages			19.92	21.81	1.89	21.11	21.60	0.68	21.70	22.69	1.00	21.47	23.16	1.70	19.96	22.31	2.35	-	-
3/18/19	2.50	1.37	20.10	22.60	2.50	NM	22.42	-	22.80	24.06	1.26	22.18	24.58	2.40	19.98	23.16	3.18	-	-
6/21/19	0.75	0.90	21.63	21.69	0.06	NM	21.34	-	22.34	22.38	0.04	22.18	22.85	0.67	21.76	21.96	0.20	-	-
9/3/19	1.27	3.32	19.19	20.35	1.16	20.10	20.16	0.06	20.89	21.07	0.18	20.61	21.51	0.90	19.28	21.05	1.77	-	-
12/9/19	1.30	7.96	19.28	21.82	2.54	20.14	21.54	1.40	20.79	22.57	1.78	20.54	23.08	2.54	19.32	22.13	2.81	-	-
2019 Shallow Averages			20.05	21.62	1.57	20.12	21.37	0.73	21.71	22.52	0.82	21.38	23.01	1.63	20.09	22.08	1.99	-	-
3/2/20	2.25	3.17	20.39	22.92	2.53	21.47	22.86	1.39	22.27	24.54	2.27	21.91	25.00	3.09	20.36	23.35	2.99	-	-
6/4/20	0.00	2.28	19.93	22.21	2.28	21.10	22.01	0.91	NM	22.13	-	21.50	23.85	2.35	19.94	22.68	2.74	-	-
9/4/20	1.30	2.48	19.14	20.40	1.26	20.10	20.33	0.23	20.89	21.28	0.39	20.64	21.69	1.05	19.18	21.15	1.97	-	-

Table 2

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BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
12/2/20	1.40	6.65	19.83	22.39	2.56	20.74	22.06	1.32	21.36	23.10	1.74	21.14	23.70	2.56	19.76	22.69	2.93	-	-
2020 Shallow Averages			19.82	21.98	2.16	20.85	21.82	0.96	21.51	22.76	1.47	21.30	23.56	2.26	19.81	22.47	2.66	-	-
3/8/21	2.19	2.61	20.32	23.09	2.77	21.76	23.06	1.30	22.74	24.75	2.01	22.26	25.18	2.92	20.17	23.55	3.38	-	-
6/23/21	1.33	1.91	19.62	21.69	2.07	20.73	21.49	0.76	21.57	21.72	0.15	21.23	23.20	1.97	19.58	22.20	2.62	-	-
9/13/21	0.99	3.02	19.43	19.92	0.49	19.99	19.81	-0.18	20.59	20.68	0.09	20.34	21.10	0.76	19.28	20.68	1.40	-	-
2021 Shallow Averages			20.32	23.09	1.78	21.76	23.06	0.63	22.74	24.75	0.75	22.26	25.18	1.88	20.17	23.55	2.47	-	-
Intermediate																			
2/6/12	-	3.63	23.07	22.27	-0.80	23.34	22.55	-0.79	23.57	23.94	0.37	23.62	25.09	1.47	22.91	23.50	0.59	23.42	-
2/24/12	-	-	22.26	22.41	0.15	22.53	22.66	0.13	22.80	24.00	1.20	22.85	25.18	2.33	22.12	23.59	1.47	22.63	-
3/13/12	-	7.20	24.52	22.53	-1.99	24.64	22.45	-2.19	24.74	24.14	-0.60	24.79	25.54	0.75	24.46	23.82	-0.64	24.49	-
3/27/12	0.6	-	26.11	22.46	-3.65	26.14	22.71	-3.43	26.20	24.13	-2.07	26.18	25.28	-0.90	26.13	23.64	-2.49	26.14	-
4/9/12	2.0	2.68	25.85	22.32	-3.53	25.92	22.14	-3.78	26.02	24.10	-1.92	26.02	25.30	-0.72	25.86	23.58	-2.28	25.95	-
4/26/12	3.0	-	24.22	22.20	-2.02	24.43	22.18	-2.25	24.67	23.92	-0.75	24.70	25.24	0.54	24.11	23.47	-0.64	24.44	-
5/4/12	4.0	2.05	23.42	21.83	-1.59	23.85	22.45	-1.40	24.05	23.88	-0.17	24.08	25.25	1.17	23.55	23.35	-0.20	23.92	-
5/7/12	4.0	-	23.27	21.79	-1.48	23.74	22.31	-1.43	23.95	23.82	-0.13	23.99	25.05	1.06	23.40	23.27	-0.13	23.81	-
5/10/12	4.0	-	22.87	21.54	-1.33	23.33	22.05	-1.28	23.56	23.58	0.02	23.59	24.81	1.22	22.99	22.95	-0.04	23.43	-
6/11/12	2.5	2.96	21.57	21.51	-0.06	22.01	21.95	-0.06	22.91	23.37	0.46	22.23	24.54	2.31	21.71	22.93	1.22	22.08	-
6/25/12	2.5	-	21.39	21.42	0.03	21.81	21.90	0.09	21.97	23.21	1.24	21.99	24.43	2.44	21.55	22.84	1.29	21.87	-
6/26/12	2.5	-	21.79	21.31	-0.48	22.13	21.80	-0.33	22.24	23.15	0.91	22.24	24.34	2.10	21.96	22.73	0.77	22.16	-
7/3/12	2.5	1.04	21.07	21.07	0.00	21.50	21.56	0.06	21.67	22.88	1.21	21.68	24.05	2.37	21.21	22.44	1.23	21.55	-
7/18/12	2.5	-	20.72	20.66	-0.06	21.12	21.13	0.01	21.29	22.39	1.10	21.29	23.48	2.19	20.87	21.99	1.12	21.18	-
8/2/12	2.0	0.00	20.53	20.46	-0.07	20.91	20.93	0.02	21.06	22.21	1.15	21.06	23.22	2.16	20.69	21.83	1.14	20.98	-
8/9/12	2.0	-	20.37	20.31	-0.06	20.75	20.75	0.00	20.89	21.97	1.08	20.88	22.99	2.11	20.51	21.65	1.14	20.81	-
8/20/12	1.5	-	20.44	20.11	-0.33	20.78	20.55	-0.23	20.90	21.72	0.82	20.90	22.69	1.79	20.61	21.50	0.89	20.85	-
9/19/12	1.0	0.03	20.11	19.71	-0.40	20.44	20.08	-0.36	20.52	21.06	0.54	20.54	22.02	1.48	20.29	21.03	0.74	20.47	-
10/8/12	1.0	6.71	20.37	19.64	-0.73	20.67	20.00	-0.67	20.75	20.84	0.09	20.70	21.68	0.98	20.58	20.90	0.32	20.69	-
11/9/12	1.0	8.28	22.24	21.12	-1.12	22.50	21.50	-1.00	22.58	22.50	-0.08	22.53	23.61	1.08	22.44	22.47	0.03	22.52	-
12/3/12	1.0	6.85	23.84	21.76	-2.08	24.15	22.28	-1.87	24.17	23.75	-0.42	24.10	25.39	1.29	24.15	23.56	-0.59	24.14	-
2012 Intermediate Averages			22.42	21.29	-1.12	22.72	21.63	-1.09	22.91	22.97	0.06	22.85	24.15	1.30	22.53	22.67	0.14	22.75	-
1/4/13	1.5	4.16	24.74	21.67	-3.07	24.95	22.21	-2.74	25.05	23.77	-1.28	25.07	25.06	-0.01	24.95	23.23	-1.72	24.99	-
1/24/13	3.0	-	23.39	21.46	-1.93	23.75	21.95	-1.80	23.88	23.48	-0.40	23.89	24.73	0.84	23.56	22.95	-0.61	23.81	-
2/1/13	2.0	1.58	24.28	21.83	-2.45	24.63	22.30	-2.33	24.71	23.82	-0.89	24.70	25.04	0.34	24.55	23.35	-1.20	24.60	-
3/1/13	3.0	2.74	22.54	21.43	-1.11	22.95	21.95	-1.00	23.10	23.32	0.22	23.11	24.56	1.45	22.69	22.95	0.26	23.10	-
4/5/13	2.8	5.89	21.66	21.29	-0.37	22.07	21.80	-0.27	22.26	23.13	0.87	22.27	24.43	2.16	21.76	22.81	1.05	22.13	-

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
5/3/13	3.0	2.38	22.28	21.46	-0.82	22.66	21.97	-0.69	22.85	23.39	0.54	22.87	24.62	1.75	22.38	22.93	0.55	22.75	-
5/14/13	0.6	-	22.26	21.14	-1.12	22.60	21.64	-0.96	22.71	23.05	0.34	22.70	24.20	1.50	22.43	22.55	0.12	22.63	-
6/7/13	1.8	1.30	22.40	20.88	-1.52	22.75	21.36	-1.39	22.87	22.78	-0.09	22.87	23.92	1.05	22.53	22.35	-0.18	22.79	-
7/12/13	2.0	0.00	21.13	20.44	-0.69	21.45	20.85	-0.60	21.70	22.06	0.36	21.62	23.13	1.51	21.37	21.83	0.46	21.51	-
8/6/13	1.5	1.35	21.01	19.95	-1.06	21.34	20.38	-0.96	21.44	21.40	-0.04	21.41	22.44	1.03	21.18	21.34	0.16	21.37	-
9/9/13	1.5	6.17	20.45	20.38	-0.07	20.76	20.80	0.04	20.87	21.79	0.92	20.85	22.93	2.08	20.62	21.81	1.19	20.82	-
10/11/13	1.0	1.54	20.88	21.09	0.21	21.10	21.51	0.41	21.29	22.65	1.36	21.25	23.90	2.65	21.06	22.47	1.41	21.21	-
11/8/13	1.0	3.79	21.12	20.81	-0.31	21.40	21.25	-0.15	21.47	22.46	0.99	21.43	23.76	2.33	21.31	22.40	1.09	21.43	-
12/6/13	1.0	1.66	21.41	20.77	-0.64	21.65	21.19	-0.46	21.71	22.39	0.68	21.72	23.51	1.79	21.60	22.15	0.55	21.70	-
2013 Intermediate Averages			21.99	21.00	-0.99	22.31	21.46	-0.84	22.44	22.75	0.30	22.43	23.94	1.51	22.17	22.47	0.30	22.37	-
1/13/14	1.0	3.70	22.18	21.14	-1.04	22.45	21.59	-0.86	22.52	22.96	0.44	22.48	24.43	1.95	22.35	22.74	0.39	22.48	-
2/7/14	1.5	6.11	22.03	20.97	-1.06	22.22	21.42	-0.80	22.33	22.77	0.44	22.30	24.01	1.71	22.07	22.52	0.45	22.25	-
3/14/14	1.5	9.44	24.23	22.43	-1.80	24.52	22.91	-1.61	24.61	24.41	-0.20	24.60	25.74	1.14	23.45	24.08	0.63	24.53	-
4/11/14	1.5	4.18	24.17	21.77	-2.40	24.50	22.27	-2.23	24.61	23.76	-0.85	24.59	25.01	0.42	24.36	23.30	-1.06	24.52	-
5/8/14	1.5	3.15	24.79	22.19	-2.60	25.13	22.66	-2.47	25.20	24.10	-1.10	25.21	25.37	0.16	24.98	23.82	-1.16	25.13	-
6/5/14	1.5	0.73	23.47	21.10	-2.37	23.65	21.55	-2.10	23.85	22.96	-0.89	23.85	24.09	0.24	23.61	22.50	-1.11	23.79	-
7/3/14	2.5	0.77	21.35	20.52	-0.83	21.72	20.94	-0.78	21.86	22.19	0.33	21.85	23.25	1.40	21.50	21.84	0.34	21.76	-
8/6/14	1.75	1.81	20.60	20.12	-0.48	20.94	20.51	-0.43	21.04	21.55	0.51	21.04	22.56	1.52	20.78	21.44	0.66	20.99	-
9/4/14	1.48	2.23	20.25	20.16	-0.09	20.56	18.55 ^a	-2.01	20.66	21.53	0.87	20.64	22.61	1.97	20.42	21.60	1.18	20.60	-
10/10/14	1.13	6.75	20.12	19.94	-0.18	20.40	20.34	-0.06	20.50	21.26	0.76	20.45	22.27	1.82	20.29	21.29	1.00	20.44	-
11/13/14	1.80	4.84	21.04	21.34	0.30	21.37	21.74	0.37	21.47	22.94	1.47	21.46	24.11	2.65	21.20	22.76	1.56	21.42	-
12/5/14	2.00	4.79	21.09	21.45	0.36	21.42	21.88	0.46	21.51	23.18	1.67	21.55	24.44	2.89	21.23	22.86	1.63	21.46	-
2014 Intermediate Averages			22.11	21.09	-1.02	22.41	21.62	-1.04	22.51	22.80	0.29	22.50	23.99	1.49	22.19	22.56	0.38	22.45	-
1/14/15	2.00	3.66	21.37	21.77	0.40	21.72	22.22	0.50	21.87	23.51	1.64	21.86	24.67	2.81	21.51	23.11	1.60	21.79	-
2/13/15	2.50	5.27	21.80	22.38	0.58	22.17	22.34	0.17	22.32	24.21	1.89	22.31	25.49	3.18	21.92	23.80	1.88	22.23	-
3/13/15	2.29	4.47	21.17	21.64	0.47	21.53	22.11	0.58	21.66	23.44	1.78	21.65	24.64	2.99	21.11	22.97	1.86	21.57	-
4/10/15	2.60	2.03	21.53	21.80	0.27	21.88	22.26	0.38	22.01	23.58	1.57	22.00	24.76	2.76	21.68	23.10	1.42	21.94	-
5/1/15	2.00	0.58	21.16	21.41	0.25	21.51	21.85	0.34	21.63	23.15	1.52	21.62	24.29	2.67	21.33	22.75	1.42	21.55	-
6/5/15	1.85	0.23	20.55	20.71	0.16	20.85	21.12	0.27	20.98	22.21	1.23	21.00	23.24	2.24	20.75	21.98	1.23	20.92	-
7/2/15	1.60	0.09	20.27	20.21	-0.06	20.59	20.57	-0.02	20.65	21.46	0.81	20.70	22.39	1.69	20.48	21.40	0.92	20.64	-
8/7/15	1.30	3.28	19.95	19.67	-0.28	20.26	20.00	-0.26	20.33	20.71	0.38	20.30	21.54	1.24	20.14	20.87	0.73	20.28	-
9/4/15	1.09	0.83	19.80	19.94	0.14	20.08	20.28	0.20	20.14	20.94	0.80	20.10	21.88	1.78	20.00	21.23	1.23	20.11	-
10/16/15	0.92	4.81	19.65	20.26	0.61	19.93	20.56	0.63	20.00	21.12	1.12	19.97	22.04	2.07	19.86	21.56	1.70	19.96	-
11/6/15	1.20	8.37	19.69	20.70	1.01	19.98	21.02	1.04	20.04	21.86	1.82	20.01	23.02	3.01	19.90	22.07	2.17	20.02	-

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
12/4/15	1.67	11.21	20.52	21.64	1.12	20.84	22.04	1.20	20.79	23.19	2.40	20.90	24.59	3.69	20.68	23.13	2.45	20.86	–
2015 Intermediate Averages			20.62	21.01	0.39	20.95	21.36	0.42	21.04	22.45	1.41	21.04	23.55	2.51	20.78	22.33	1.55	20.99	–
1/6/16	2.10	7.45	21.27	22.29	1.02	21.62	22.73	1.11	21.70	24.09	2.39	21.69	25.29	3.60	21.42	23.69	2.27	21.68	–
2/5/16	0.26	5.97	21.66	22.61	0.95	22.04	23.09	1.05	22.13	24.47	2.34	22.11	25.80	3.69	21.84	25.08	3.24	22.84	–
3/4/16	2.46	5.52	21.94	22.82	0.88	22.34	23.30	0.96	22.47	24.65	2.18	22.46	25.99	3.53	22.08	24.23	2.15	22.39	–
4/1/16	1.69	1.19	21.61	22.20	0.59	21.98	22.67	0.69	22.10	23.99	1.89	22.11	25.20	3.09	21.78	23.45	1.67	22.03	–
5/6/16	1.94	0.94	20.93	21.36	0.43	21.28	21.81	0.53	21.37	22.94	1.57	21.37	23.98	2.61	21.12	22.62	1.50	21.31	–
6/2/16	1.61	1.77	20.65	21.01	0.36	20.95	21.41	0.46	21.02	22.34	1.32	21.00	23.29	2.29	20.80	22.25	1.45	20.95	–
7/7/16	1.47	0.72	20.37	20.74	0.37	20.70	21.10	0.40	20.76	21.86	1.10	20.69	22.83	2.14	20.55	21.95	1.40	20.72	–
8/5/16	1.40	0.17	20.23	20.34	0.11	20.54	20.69	0.15	20.62	21.37	0.75	20.60	22.23	1.63	20.43	21.55	1.12	20.57	–
9/26/16	1.20	1.05	19.87	19.93	0.06	20.16	20.25	0.09	20.23	20.71	0.48	20.19	21.46	1.27	20.06	21.14	1.08	20.19	–
10/14/16	1.31	10.05	19.08	20.89	1.81	20.45	21.17	0.72	20.49	21.34	0.85	20.46	22.34	1.88	20.34	22.15	1.81	20.47	–
11/11/16	1.60	6.48	20.89	21.80	0.91	21.19	22.23	1.04	21.28	23.32	2.04	21.24	24.60	3.36	21.08	23.24	2.16	21.22	–
12/2/16	1.80	3.87	20.90	21.86	0.96	21.22	22.34	1.12	21.30	23.58	2.28	22.31	24.88	2.57	21.11	23.24	2.13	21.26	–
2016 Intermediate Averages			20.78	21.49	0.70	21.21	21.90	0.69	21.29	22.89	1.60	21.35	23.99	2.64	21.05	22.88	1.83	21.30	–
1/13/17	2.00	4.22	20.96	21.64	0.68	21.15	22.05	0.90	21.30	23.31	2.01	21.30	24.53	3.23	21.09	22.84	1.75	21.27	–
2/3/17	2.07	8.85	21.50	22.07	0.57	21.87	22.59	0.72	21.94	23.85	1.91	22.00	25.11	3.11	21.62	23.35	1.73	21.93	–
3/3/17	3.30	7.31	21.81	22.68	0.87	22.26	23.28	1.02	22.35	24.61	2.26	22.32	25.85	3.53	21.90	24.04	2.14	22.35	–
4/6/17	1.96	3.27	–	–	–	19.98	23.38	3.40	–	–	–	–	–	–	–	–	–	–	–
5/4/17	3.33	2.28	22.40	22.53	0.13	22.87	24.02	1.15	22.90	24.19	1.29	22.92	25.38	2.46	22.51	23.78	1.27	22.81	–
6/27/17	2.01	1.52	20.81	21.10	0.29	21.08	21.61	0.53	21.23	22.54	1.31	21.10	23.46	2.36	20.88	22.34	1.46	21.00	–
7/13/17	1.55	0.00	20.91	20.92	0.01	21.22	21.33	0.11	–	–	–	–	–	–	–	–	–	–	–
9/25/17	1.05	0.59	20.45	20.37	-0.08	20.84	20.30	-0.54	20.88	20.95	0.07	20.39	22.61	2.22	19.77	21.35	1.58	20.71	–
10/11/17	1.05	4.80	20.23	20.07	-0.16	20.49	20.39	-0.10	–	–	–	–	–	–	–	–	–	–	–
11/6/17	1.04	8.63	20.55	21.06	0.51	20.81	21.40	0.59	–	–	–	–	–	–	–	–	–	–	–
12/14/17	1.70	5.43	21.58	21.64	0.06	21.85	22.12	0.27	22.12	23.22	1.10	22.00	24.40	2.40	21.77	22.91	1.14	21.89	–
2017 Intermediate Averages			21.12	21.41	0.29	21.31	22.04	0.73	21.82	23.24	1.42	21.72	24.48	2.76	21.36	22.94	1.58	–	–
3/12/18	1.43	2.44	23.10	22.03	-1.07	NM	22.56	–	23.71	23.59	-0.12	23.50	24.99	1.49	23.26	23.23	-0.03	23.46	–
6/30/18	1.40	0.63	20.56	20.74	0.18	20.90	21.12	0.22	21.15	21.92	0.77	20.96	22.84	1.88	20.74	21.93	1.19	20.96	–
9/17/18	1.50	1.04	20.01	20.06	0.05	NM	20.36	–	NM	20.67	–	20.36	21.45	1.09	20.23	21.24	1.01	20.30	–
12/10/18	1.19	6.08	20.34	21.23	0.89	20.94	NM	–	NM	22.33	–	21.00	23.80	2.80	20.56	22.61	2.05	20.67	–
2018 Intermediate Averages			21.00	21.02	0.01	20.92	21.35	0.22	22.43	22.13	0.33	21.46	23.27	1.82	21.20	22.25	1.06	21.35	–
3/18/19	2.50	1.37	21.74	21.87	0.13	22.06	22.32	0.26	22.15	23.41	1.26	22.15	24.55	2.40	21.80	23.13	1.33	22.18	–
6/21/19	0.75	0.90	21.89	20.81	-1.08	22.16	NM	–	22.15	21.86	-0.29	22.15	22.89	0.74	22.14	21.96	-0.18	22.18	–

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
9/3/19	1.27	3.32	20.20	20.01	-0.19	20.49	20.30	-0.19	20.58	20.75	0.17	20.58	21.54	0.96	20.44	21.15	0.71	20.56	-
12/9/19	1.30	7.96	20.21	20.84	0.63	20.49	21.23	0.74	20.56	22.03	1.47	20.52	23.09	2.57	20.42	22.07	1.65	20.57	-
2019 Intermediate Averages			21.01	20.88	-0.13	21.30	21.28	0.27	21.36	22.01	0.65	21.35	23.02	1.67	21.20	22.08	0.88	21.38	-
3/2/20	2.25	3.17	21.51	22.09	0.58	21.85	22.57	0.72	21.89	23.79	1.90	21.89	24.98	3.09	21.71	23.28	1.57	21.86	-
6/4/20	0.00	2.28	21.08	21.35	0.27	NM	21.87	-	NM	22.76	-	21.49	23.86	2.37	21.32	22.66	1.34	21.43	-
9/4/20	1.30	2.48	20.21	20.19	-0.02	20.53	20.50	-0.03	20.61	20.94	0.33	20.60	21.74	1.14	20.43	21.25	0.82	20.57	-
12/2/20	1.40	6.65	20.71	20.40	-0.31	21.09	21.80	0.71	21.15	22.58	1.43	21.13	23.71	2.58	20.99	22.66	1.67	21.11	-
2020 Intermediate Averages			20.88	21.01	0.13	21.16	21.69	0.47	21.22	22.52	1.22	21.28	23.57	2.30	21.11	22.46	1.35	21.24	-
3/8/21	2.19	2.61	21.78	22.25	0.47	22.14	22.78	0.64	22.25	23.97	1.72	22.22	25.17	2.95	21.93	23.50	1.57	22.18	-
6/23/21	1.33	1.91	20.83	21.08	0.25	21.15	21.45	0.30	21.23	22.26	1.03	21.20	23.21	2.01	21.01	22.21	1.20	21.18	-
9/13/21	0.99	3.02	20.20	19.81	-0.39	20.29	20.02	-0.27	20.35	20.40	0.05	20.33	21.12	0.79	20.21	20.75	0.54	20.31	-
2021 Intermediate Averages			21.78	22.25	0.11	22.14	22.78	0.22	22.25	23.97	0.93	22.22	25.17	1.92	21.93	23.50	1.10	21.18	-
Deep																			
2/6/12	-	3.63	-	23.94	1.67	-	24.06	1.51	-	24.44	0.50	-	25.03	-0.06	24.15	-	1.24	24.12	0.71
2/24/12	-	-	-	23.96	1.55	-	23.19	0.53	-	24.48	0.48	-	25.04	-0.14	24.15	-	2.03	24.14	1.51
3/13/12	-	7.20	-	24.13	1.60	-	24.30	1.85	-	24.64	0.50	-	25.13	-0.41	24.36	-	-0.10	24.34	-0.14
3/27/12	-	-	-	24.42	1.96	-	24.54	1.83	-	24.94	0.81	-	25.43	0.15	24.56	-	-1.57	24.56	-1.58
4/9/12	-	2.68	-	24.18	1.86	-	22.94	0.80	-	24.77	0.67	-	25.25	-0.05	24.40	-	-1.46	24.40	-1.54
5/4/12	-	2.05	-	23.73	1.90	-	23.91	1.46	-	24.24	0.36	-	24.87	-0.38	23.91	-	0.36	23.86	-0.06
5/7/12	-	-	-	23.71	1.92	-	23.86	1.55	-	24.27	0.45	-	24.83	-0.22	23.92	-	0.52	23.90	0.09
5/10/12	-	-	-	22.58	1.04	-	23.70	1.65	-	24.09	0.51	-	24.75	-0.06	23.73	-	0.74	23.72	0.29
6/11/12	-	2.96	-	23.44	1.93	-	23.62	1.67	-	23.98	0.61	-	24.57	0.03	23.66	-	1.95	23.65	1.57
6/25/12	-	-	-	23.36	1.94	-	23.53	1.63	-	23.90	0.69	-	23.49	-0.94	23.56	-	2.01	23.55	1.68
7/3/12	-	1.04	-	23.16	2.09	-	23.34	1.78	-	23.73	0.85	-	24.25	0.20	23.37	-	2.16	23.37	1.82
7/18/12	-	-	-	22.91	2.25	-	23.09	1.96	-	23.47	1.08	-	23.95	0.47	23.13	-	2.26	23.12	1.93
8/9/12	-	0.00	-	22.59	2.28	-	22.75	2.00	-	23.04	1.07	-	23.62	0.63	22.74	-	2.23	22.72	1.91
9/19/12	-	0.03	-	21.93	2.22	-	22.05	1.97	-	22.37	1.31	-	22.78	0.76	22.10	-	1.81	22.09	1.62
10/8/12	-	6.71	-	21.91	2.27	-	22.06	2.06	-	22.33	1.49	-	22.71	1.03	22.05	-	1.47	22.05	1.36
11/9/12	-	8.28	-	22.79	1.67	-	22.45	0.95	-	23.19	0.69	-	23.69	0.08	22.95	-	0.51	22.94	0.42
12/3/12	-	6.85	-	23.44	1.68	-	23.48	1.20	-	23.87	0.12	-	24.49	-0.90	23.63	-	-0.52	23.64	-0.50
2012 Deep Averages			-	23.20	1.92	-	23.18	1.57	-	23.69	0.74	-	24.22	0.08	23.39	-	0.88	23.38	0.65
1/4/13	-	4.16	-	23.64	1.97	-	22.18	-0.03	-	24.14	0.37	-	24.72	-0.34	24.00	-	-0.95	23.91	-1.09
1/24/13	-	-	-	23.59	2.13	-	23.67	1.72	-	24.19	0.71	-	24.70	-0.03	23.81	-	0.25	23.83	0.02
2/1/13	-	1.58	-	23.57	1.74	-	23.45	1.15	-	24.09	0.27	-	24.58	-0.46	23.75	-	-0.80	23.80	-0.80

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
3/1/13	-	2.74	-	23.25	1.82	-	NM	-	-	23.80	0.48	-	24.33	-0.23	23.45	-	0.76	23.49	0.39
4/5/13	-	5.89	-	23.41	2.12	-	23.62	1.82	-	24.00	0.87	-	24.52	0.09	23.62	-	1.86	23.66	1.53
5/3/13	-	2.38	-	23.49	2.03	-	23.67	1.70	-	24.04	0.65	-	24.68	0.06	22.71	-	0.33	23.40	0.65
5/14/13	-	-	-	23.26	2.12	-	23.50	1.86	-	23.86	0.81	-	24.39	0.19	23.45	-	1.02	23.47	0.84
6/7/13	-	1.30	-	23.09	2.21	-	23.29	1.93	-	23.66	0.88	-	24.16	0.24	23.28	-	0.75	23.31	0.52
7/12/13	-	0.00	-	22.66	2.22	-	22.83	1.98	-	23.18	1.12	-	23.66	0.53	22.81	-	1.44	22.85	1.34
8/6/13	-	1.35	-	22.27	2.32	-	22.42	2.04	-	22.74	1.34	-	23.26	0.82	22.40	-	1.22	22.45	1.07
9/9/13	-	6.17	-	22.23	1.85	-	22.30	1.50	-	22.60	0.81	-	23.11	0.18	22.32	-	1.70	22.36	1.54
10/11/13	-	1.54	-	22.69	1.60	-	22.72	1.21	-	23.14	0.49	-	23.12	-0.78	22.82	-	1.76	22.86	1.64
11/8/13	-	3.79	-	22.61	1.80	-	22.75	1.50	-	23.06	0.60	-	23.60	-0.16	22.76	-	1.45	22.80	1.37
12/6/13	-	1.66	-	22.78	2.01	-	NM	-	-	23.40	1.01	-	23.67	0.16	22.95	-	1.35	22.99	1.29
2013 Deep Averages			-	22.97	1.97	-	22.92	1.48	-	23.49	0.74	-	23.95	0.01	23.07	-	0.91	23.15	0.79
1/13/14	-	3.70	-	22.87	1.73	-	NM	-	-	23.31	0.35	-	23.88	-0.55	23.08	-	0.73	23.05	0.57
2/7/14	-	6.11	-	23.24	2.27	-	23.43	2.01	-	23.85	1.08	-	-	-	23.49	-	1.42	23.51	1.26
3/14/14	-	9.44	-	24.18	1.75	-	24.42	1.51	-	23.74	-0.67	-	25.38	-0.36	24.45	-	1.00	24.45	-0.08
4/11/14	-	4.18	-	23.78	2.01	-	23.99	1.72	-	24.39	0.63	-	24.94	-0.07	24.08	-	-0.28	24.09	-0.43
5/8/14	-	3.15	-	24.08	1.89	-	24.29	1.63	-	24.67	0.57	-	25.24	-0.13	24.38	-	-0.60	24.38	-0.75
6/5/14	-	0.73	-	23.26	2.16	-	23.55	2.00	-	23.85	0.89	-	24.38	0.29	23.51	-	-0.10	23.52	-0.28
7/3/14	-	0.77	-	22.69	2.17	-	22.88	1.94	-	23.25	1.06	-	23.70	0.45	22.95	-	1.45	22.95	1.18
8/6/14	-	1.81	-	22.20	2.08	-	22.39	1.88	-	22.71	1.16	-	23.14	0.58	22.45	-	1.67	22.45	1.46
9/4/14	-	2.23	-	22.06	1.90	-	22.20	3.65	-	22.51	0.98	-	23.00	0.39	22.30	-	1.88	22.29	1.69
10/10/14	-	6.75	-	22.00	2.06	-	22.23	1.89	-	22.44	1.18	-	22.93	0.66	22.24	-	1.95	22.22	1.77
11/13/14	-	4.84	-	23.04	1.70	-	23.26	1.52	-	23.55	0.61	-	24.07	-0.04	23.28	-	2.08	23.29	1.87
12/5/14	-	4.79	-	23.25	1.80	-	23.49	1.61	-	23.81	0.63	-	24.38	-0.06	23.51	-	2.28	23.53	2.07
2014 Deep Averages			-	23.05	1.96	-	23.28	1.94	-	23.51	0.71	-	24.09	0.11	23.31	-	1.12	23.31	0.86
1/14/15	-	3.66	-	23.46	1.69	-	23.72	1.50	-	24.05	0.54	-	24.56	-0.11	23.71	-	2.20	23.73	1.94
2/13/15	-	5.27	-	23.93	1.55	-	24.15	1.81	-	24.47	0.26	-	25.12	-0.37	24.16	-	2.24	24.19	1.96
3/13/15	-	4.47	-	23.51	1.87	-	23.79	1.68	-	24.16	0.72	-	24.65	0.01	23.75	-	2.64	23.78	2.21
4/10/15	-	2.03	-	23.68	1.88	-	23.96	1.70	-	24.30	0.72	-	24.80	0.04	23.92	-	2.24	23.96	2.02
5/1/15	-	0.58	-	23.31	1.90	-	23.58	1.73	-	23.91	0.76	-	24.40	0.11	23.53	-	2.20	23.55	2.00
6/5/15	-	0.23	-	22.68	1.97	-	22.87	1.75	-	23.19	0.98	-	23.65	0.41	22.88	-	2.13	22.90	1.98
7/2/15	-	0.09	-	22.22	2.01	-	22.45	1.88	-	22.72	1.26	-	23.14	0.75	22.45	-	1.97	22.48	1.84
8/7/15	-	3.28	-	21.68	2.01	-	21.89	1.89	-	22.11	1.40	-	22.50	0.96	21.87	-	1.73	21.89	1.61
9/4/15	-	0.83	-	21.60	1.66	-	21.74	1.46	-	21.98	1.04	-	22.39	0.51	21.77	-	1.77	21.78	1.66

Table 2

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Property, Kent, Washington

Date	Pump Rate (gpm)	Monthly Rainfall (inches)	Groundwater Elevations																
			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
10/16/15	-	4.81	-	21.86	1.60	-	21.96	1.40	-	22.20	1.08	-	22.66	0.62	22.01	-	2.15	22.01	2.05
11/6/15	-	8.37	-	22.05	1.35	-	22.12	1.10	-	22.38	0.52	-	22.91	-0.11	22.19	-	2.29	22.19	2.17
12/4/15	-	11.21	-	23.17	1.53	-	23.18	1.14	-	23.64	0.45	-	24.16	-0.43	23.37	-	2.69	23.38	2.52
2015 Deep Averages			-	22.76	1.75	-	22.95	1.59	-	23.26	0.81	-	23.75	0.20	22.97	-	2.19	22.98	2.00
1/6/16	-	7.45	-	24.14	1.85	-	24.34	1.61	-	24.73	0.64	-	25.25	-0.04	24.33	-	2.91	24.37	2.69
2/5/16	-	5.97	-	24.19	1.58	-	24.41	1.32	-	24.75	0.28	-	25.31	-0.49	22.33	-	0.49	23.73	0.89
3/4/16	-	5.52	-	24.41	1.59	-	24.67	1.37	-	25.04	0.39	-	25.54	-0.45	23.62	-	1.54	24.34	1.95
4/1/16	-	1.19	-	23.96	1.76	-	24.20	1.53	-	24.54	0.55	-	25.04	-0.16	24.15	-	2.37	24.20	2.17
5/6/16	-	0.94	-	23.30	1.94	-	23.54	1.73	-	23.85	0.91	-	24.31	0.33	23.47	-	2.35	23.53	2.23
6/2/16	-	1.77	-	22.92	1.91	-	23.14	1.73	-	23.40	1.06	-	23.83	0.54	23.05	-	2.25	23.09	2.14
7/7/16	-	0.72	-	22.65	1.91	-	22.85	1.75	-	23.12	1.26	-	23.38	0.55	22.80	-	2.25	22.85	2.13
8/5/16	-	0.17	-	22.30	1.96	-	22.55	1.86	-	22.76	1.39	-	23.18	0.95	22.45	-	2.02	22.49	1.92
9/26/16	-	1.05	-	21.77	1.84	-	21.94	1.69	-	22.20	1.49	-	22.57	1.11	21.92	-	1.86	21.95	1.76
10/14/16	-	10.05	-	22.35	1.46	-	22.42	1.25	-	22.75	1.41	-	23.11	0.77	22.48	-	2.14	22.52	2.05
11/11/16	-	6.48	-	23.28	1.48	-	23.44	1.21	-	23.74	0.42	-	24.29	-0.31	23.45	-	2.37	23.49	2.26
12/2/16	-	3.87	-	23.41	1.55	-	23.57	1.23	-	23.89	0.31	-	24.48	-0.40	23.58	-	2.47	23.62	2.36
2016 Deep Averages			-	23.22	1.74	-	23.42	1.52	-	23.73	0.84	-	24.19	0.20	23.14	-	2.09	23.35	2.05
1/13/17	-	4.22	-	23.20	1.56	-	23.44	1.39	-	23.69	0.38	-	24.18	-0.35	23.35	-	2.26	23.38	2.11
2/3/17	-	8.85	-	23.82	1.75	-	24.10	1.51	-	24.52	0.67	-	25.03	-0.08	24.32	-	2.70	24.19	2.26
3/3/17	-	7.31	-	24.28	1.60	-	24.64	1.36	-	24.94	0.33	-	25.52	-0.33	23.50	-	1.60	24.21	1.87
5/4/17	-	3.27	-	24.25	1.72	-	24.43	0.41	-	24.80	0.61	-	25.80	0.42	24.38	-	1.87	24.43	1.62
6/27/17	-	1.52	-	23.10	2.00	-	23.29	1.68	-	23.55	1.01	-	23.97	0.51	23.22	-	2.34	23.25	2.25
9/25/17	-	0.59	-	21.89	1.52	-	22.86	2.56	-	22.39	1.44	-	23.55	0.94	22.20	-	2.43	22.12	1.41
12/14/17	-	5.43	-	23.34	1.70	-	23.44	1.32	-	23.87	0.65	-	NM	-	23.69	-	1.92	23.63	1.74
2017 Deep Averages			-	23.41	1.69	-	23.74	1.46	-	23.97	0.73	-	24.68	0.19	23.52	-	2.16	23.60	1.89
3/12/18	-	2.44	-	23.86	1.83	-	NM	-	-	24.39	0.80	-	NM	-	24.15	-	0.89	24.12	0.66
6/30/18	-	0.63	-	22.69	1.95	-	22.85	1.73	-	NM	-	-	23.62	0.78	22.96	-	2.22	22.91	1.95
9/17/18	-	1.63	-	21.69	1.63	-	21.87	1.51	-	23.08	2.41	-	23.46	2.01	22.04	-	1.81	21.96	1.66
12/10/18	-	6.08	-	22.70	1.47	-	NM	-	-	24.11	1.78	-	23.59	-0.21	23.01	-	2.45	22.91	2.24
2018 Deep Averages			-	22.74	1.72	-	22.36	1.62	-	23.86	1.66	-	23.56	0.69	23.04	-	1.84	22.97	1.63
3/18/19	-	1.37	-	23.61	1.74	-	23.83	1.51	-	24.11	0.70	-	24.62	0.07	23.94	-	2.14	23.89	1.71
6/21/19	-	0.90	-	22.70	1.89	-	22.73	-	-	22.97	1.11	-	23.46	0.57	22.92	-	0.78	22.85	0.66
9/3/19	-	3.32	-	22.01	2.00	-	22.10	1.80	-	22.34	1.59	-	22.78	1.24	22.24	-	1.80	22.17	1.61
12/9/19	-	7.96	-	22.56	1.72	-	22.63	1.40	-	22.95	0.92	-	23.48	0.39	22.88	-	2.46	22.82	2.25

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			Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary			Center	
			Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	ΔH
2019 Deep Averages			–	22.72	1.84	–	22.82	1.57	–	23.09	1.08	–	23.59	0.57	23.00	–	1.80	22.93	1.56
3/2/20	–	3.17	–	23.89	1.80	–	24.14	1.57	–	24.46	0.67	–	25.02	0.04	24.25	–	2.54	24.20	2.34
6/4/20	–	2.28	–	23.19	1.84	–	23.37	1.50	–	23.63	0.87	–	24.16	0.30	23.45	–	2.13	23.41	1.98
9/4/20	–	2.48	–	22.14	1.95	–	22.33	1.83	–	22.54	1.60	–	23.00	1.26	23.72	–	3.29	22.82	2.25
12/2/20	–	6.65	–	23.06	2.66	–	23.22	1.42	–	23.49	0.91	–	24.05	0.34	23.35	–	2.36	23.31	2.19
2020 Deep Averages			–	23.07	2.06	–	23.27	1.58	–	23.53	1.01	–	24.06	0.48	23.69	–	2.58	23.44	2.19
3/8/21	–	2.61	–	24.11	1.86	–	24.33	1.55	–	24.69	0.72	–	25.19	0.02	24.45	–	2.52	24.42	2.24
6/23/21	–	1.91	–	23.00	1.92	–	23.22	1.77	–	23.55	1.29	–	23.96	0.75	23.32	–	2.31	23.27	2.10
9/13/21	–	3.02	–	21.58	1.77	–	21.75	1.73	–	21.94	1.54	–	22.36	1.24	21.88	–	1.67	21.82	1.51
2021 Deep Averages			–	24.11	1.89	–	24.33	1.66	–	24.69	1.18	–	25.19	0.38	24.45	–	2.42	24.42	2.17
<p>Notes:</p> <ol style="list-style-type: none"> 1. Shallow and intermediate groundwater comparisons are for monitoring points installed across the soil-bentonite cutoff wall from each other. 2. Deep to intermediate groundwater comparisons are for co-located monitoring monitoring points installed above and below the Layer C aquitard. 3. All elevations in feet relative to the North American Vertical Datum (NAVD 88). 4. ΔH = groundwater elevation difference; positive = inward or upward gradient, which is shaded in blue, and negative = outward or downward gradient, which is shaded in red. 5. – = not available or not applicable; NM = not measured; gpm = gallons per minutes; precipitation measured at SeaTac airport (station 457473). 6. Northeast corner monitoring points = inside: P-1 (shallow), P-2 (intermediate); outside: P-3 (shallow), P-4 (intermediate), HY-108 (deep). 7. North boundary monitoring points = inside: P-5 (shallow), P-6 (intermediate); outside: HYCP-7s (shallow), HYCP-7i (intermediate), HYCP-7d (deep). 8. Northwest corner monitoring points = inside: P-7 (shallow), P-8 (intermediate); outside: HY-1s (shallow), HY-1i (intermediate), HY-1d (deep). 9. Southwest corner monitoring points = inside: P-9 (shallow), P-10 (intermediate); outside: P-11 (shallow), P-12 (intermediate), HY-11d (deep). 10. East boundary monitoring points = inside: P-13 (shallow), P-14 (intermediate), HY-125 (deep); outside: P-15 (shallow), P-16 (intermediate). 11. Center monitoring points = inside: HYCP-3i, HY-12i, and HY-13i (intermediate); outside: HY-117, HY-122, and HY-125 (deep). 12. Center groundwater elevations represent averages of HYCP-3i, HY-12i, and HY-13i (intermediate) and HY-117, HY-122, and HY-125 (deep). <p>^a Groundwater elevation suspect based on change in groundwater elevation from previous month compared to other wells.</p>																			

ATTACHMENT A
September 2021 Laboratory Analytical Report



PES Environmental, Inc.

Bill Haldeman

1215 Fourth Avenue, Suite 1350

Seattle, WA 98161

RE: BSB - Shallow

Work Order Number: 2109219

September 21, 2021

Attention Bill Haldeman:

Fremont Analytical, Inc. received 17 sample(s) on 9/15/2021 for the analyses presented in the following report.

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



CLIENT: PES Environmental, Inc.
Project: BSB - Shallow
Work Order: 2109219

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109219-001	MW-101-091321	09/13/2021 12:30 PM	09/15/2021 4:37 PM
2109219-002	HY-1s-091321	09/13/2021 1:55 PM	09/15/2021 4:37 PM
2109219-003	HY-1i-091321	09/13/2021 2:30 PM	09/15/2021 4:37 PM
2109219-004	HY-13i-091421	09/14/2021 10:25 AM	09/15/2021 4:37 PM
2109219-005	HY-12i-091421	09/14/2021 11:00 AM	09/15/2021 4:37 PM
2109219-006	HYCP-3i-091421	09/14/2021 11:30 AM	09/15/2021 4:37 PM
2109219-007	HYCP-2-091421	09/14/2021 12:10 PM	09/15/2021 4:37 PM
2109219-008	HYCP-2i-091421	09/14/2021 12:50 PM	09/15/2021 4:37 PM
2109219-009	Gi-091421	09/14/2021 1:30 PM	09/15/2021 4:37 PM
2109219-010	Gs-091421	09/14/2021 2:05 PM	09/15/2021 4:37 PM
2109219-011	Hs-091421	09/14/2021 3:00 PM	09/15/2021 4:37 PM
2109219-012	Hi-091421	09/14/2021 3:25 PM	09/15/2021 4:37 PM
2109219-013	HYCP-7s-091521	09/15/2021 10:50 AM	09/15/2021 4:37 PM
2109219-014	HYCP-7i-091521	09/15/2021 11:35 AM	09/15/2021 4:37 PM
2109219-015	HY-11s-091521	09/15/2021 12:55 PM	09/15/2021 4:37 PM
2109219-016	HY-11i-091521	09/15/2021 1:35 PM	09/15/2021 4:37 PM
2109219-017	TB-091521	09/08/2021 8:45 AM	09/15/2021 4:37 PM

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

CLIENT: PES Environmental, Inc.

Project: BSB - Shallow

I. SAMPLE RECEIPT:

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

II. GENERAL REPORTING COMMENTS:

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

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

III. ANALYSES AND EXCEPTIONS:

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

Qualifiers:

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

Acronyms:

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



Client: PES Environmental, Inc.

Collection Date: 9/13/2021 12:30:00 PM

Project: BSB - Shallow

Lab ID: 2109219-001

Matrix: Water

Client Sample ID: MW-101-091321

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 6:51:28 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Vinyl chloride	19.2	0.200		µg/L	1	9/16/2021 6:51:28 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 6:51:28 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 6:51:28 PM
trans-1,2-Dichloroethene	0.523	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
cis-1,2-Dichloroethene	4.57	0.500		µg/L	1	9/16/2021 6:51:28 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 6:51:28 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 6:51:28 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 6:51:28 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 6:51:28 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM



Client: PES Environmental, Inc.

Collection Date: 9/13/2021 12:30:00 PM

Project: BSB - Shallow

Lab ID: 2109219-001

Matrix: Water

Client Sample ID: MW-101-091321

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 6:51:28 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 6:51:28 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 6:51:28 PM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	9/16/2021 6:51:28 PM
Surr: Toluene-d8	98.3	80 - 120		%Rec	1	9/16/2021 6:51:28 PM
Surr: 1-Bromo-4-fluorobenzene	94.8	80 - 120		%Rec	1	9/16/2021 6:51:28 PM



Client: PES Environmental, Inc.

Collection Date: 9/13/2021 1:55:00 PM

Project: BSB - Shallow

Lab ID: 2109219-002

Matrix: Water

Client Sample ID: HY-1s-091321

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 7:21:24 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Vinyl chloride	18.7	0.200		µg/L	1	9/16/2021 7:21:24 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 7:21:24 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 7:21:24 PM
trans-1,2-Dichloroethene	0.510	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
cis-1,2-Dichloroethene	4.39	0.500		µg/L	1	9/16/2021 7:21:24 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 7:21:24 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 7:21:24 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 7:21:24 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 7:21:24 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM



Client: PES Environmental, Inc.

Collection Date: 9/13/2021 1:55:00 PM

Project: BSB - Shallow

Lab ID: 2109219-002

Matrix: Water

Client Sample ID: HY-1s-091321

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 7:21:24 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 7:21:24 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:21:24 PM
Surr: Dibromofluoromethane	99.8	80 - 120		%Rec	1	9/16/2021 7:21:24 PM
Surr: Toluene-d8	95.8	80 - 120		%Rec	1	9/16/2021 7:21:24 PM
Surr: 1-Bromo-4-fluorobenzene	95.4	80 - 120		%Rec	1	9/16/2021 7:21:24 PM



Client: PES Environmental, Inc.

Collection Date: 9/13/2021 2:30:00 PM

Project: BSB - Shallow

Lab ID: 2109219-003

Matrix: Water

Client Sample ID: HY-1i-091321

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 7:51:20 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 7:51:20 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 7:51:20 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 7:51:20 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,1-Dichloroethane	0.670	0.500		µg/L	1	9/16/2021 7:51:20 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 7:51:20 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 7:51:20 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 7:51:20 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 7:51:20 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM



Client: PES Environmental, Inc.

Collection Date: 9/13/2021 2:30:00 PM

Project: BSB - Shallow

Lab ID: 2109219-003

Matrix: Water

Client Sample ID: HY-1i-091321

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 7:51:20 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 7:51:20 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 7:51:20 PM
Surr: Dibromofluoromethane	99.9	80 - 120		%Rec	1	9/16/2021 7:51:20 PM
Surr: Toluene-d8	95.7	80 - 120		%Rec	1	9/16/2021 7:51:20 PM
Surr: 1-Bromo-4-fluorobenzene	97.3	80 - 120		%Rec	1	9/16/2021 7:51:20 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 10:25:00 AM

Project: BSB - Shallow

Lab ID: 2109219-004

Matrix: Water

Client Sample ID: HY-13i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	10.0	D	µg/L	10	9/17/2021 6:20:16 AM
Chloromethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Vinyl chloride	1,120	100	D	µg/L	500	9/17/2021 3:50:28 AM
Bromomethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Trichlorofluoromethane (CFC-11)	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Chloroethane	ND	10.0	D	µg/L	10	9/17/2021 6:20:16 AM
1,1-Dichloroethene	45.5	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Methylene chloride	ND	10.0	D	µg/L	10	9/17/2021 6:20:16 AM
trans-1,2-Dichloroethene	107	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,1-Dichloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
cis-1,2-Dichloroethene	7,510	250	D	µg/L	500	9/17/2021 3:50:28 AM
Chloroform	ND	10.0	D	µg/L	10	9/17/2021 6:20:16 AM
1,1,1-Trichloroethane (TCA)	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,1-Dichloropropene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Carbon tetrachloride	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,2-Dichloroethane (EDC)	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Trichloroethene (TCE)	49.9	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,2-Dichloropropane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Bromodichloromethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Dibromomethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
cis-1,3-Dichloropropene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
trans-1,3-Dichloropropylene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,1,2-Trichloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,3-Dichloropropane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Tetrachloroethene (PCE)	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Dibromochloromethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,2-Dibromoethane (EDB)	ND	2.00	D	µg/L	10	9/17/2021 6:20:16 AM
Chlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,1,1,2-Tetrachloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Bromoform	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,1,1,2,2-Tetrachloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Bromobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
2-Chlorotoluene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
4-Chlorotoluene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,2,3-Trichloropropane	ND	20.0	D	µg/L	10	9/17/2021 6:20:16 AM
1,2,4-Trichlorobenzene	ND	10.0	D	µg/L	10	9/17/2021 6:20:16 AM
1,3-Dichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,4-Dichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
1,2-Dichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 10:25:00 AM

Project: BSB - Shallow

Lab ID: 2109219-004

Matrix: Water

Client Sample ID: HY-13i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	10.0	D	µg/L	10	9/17/2021 6:20:16 AM
Hexachloro-1,3-butadiene	ND	20.0	D	µg/L	10	9/17/2021 6:20:16 AM
1,2,3-Trichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:20:16 AM
Surr: Dibromofluoromethane	102	80 - 120	D	%Rec	10	9/17/2021 6:20:16 AM
Surr: Toluene-d8	95.2	80 - 120	D	%Rec	10	9/17/2021 6:20:16 AM
Surr: 1-Bromo-4-fluorobenzene	95.3	80 - 120	D	%Rec	10	9/17/2021 6:20:16 AM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 11:00:00 AM

Project: BSB - Shallow

Lab ID: 2109219-005

Matrix: Water

Client Sample ID: HY-12i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	50.0	D	µg/L	50	9/17/2021 5:50:15 AM
Chloromethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Vinyl chloride	45,300	1,000	D	µg/L	5000	9/17/2021 8:20:18 AM
Bromomethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Trichlorofluoromethane (CFC-11)	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Chloroethane	ND	50.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,1-Dichloroethene	378	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Methylene chloride	ND	50.0	D	µg/L	50	9/17/2021 5:50:15 AM
trans-1,2-Dichloroethene	2,840	250	D	µg/L	500	9/17/2021 5:20:23 AM
1,1-Dichloroethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
cis-1,2-Dichloroethene	96,200	2,500	D	µg/L	5000	9/17/2021 8:20:18 AM
Chloroform	ND	50.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,1,1-Trichloroethane (TCA)	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,1-Dichloropropene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Carbon tetrachloride	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,2-Dichloroethane (EDC)	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Trichloroethene (TCE)	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,2-Dichloropropane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Bromodichloromethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Dibromomethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
cis-1,3-Dichloropropene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
trans-1,3-Dichloropropylene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,1,2-Trichloroethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,3-Dichloropropane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Tetrachloroethene (PCE)	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Dibromochloromethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,2-Dibromoethane (EDB)	ND	10.0	D	µg/L	50	9/17/2021 5:50:15 AM
Chlorobenzene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,1,1,2-Tetrachloroethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Bromoform	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,1,1,2,2-Tetrachloroethane	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Bromobenzene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
2-Chlorotoluene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
4-Chlorotoluene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,2,3-Trichloropropane	ND	100	D	µg/L	50	9/17/2021 5:50:15 AM
1,2,4-Trichlorobenzene	ND	50.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,3-Dichlorobenzene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,4-Dichlorobenzene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
1,2-Dichlorobenzene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 11:00:00 AM

Project: BSB - Shallow

Lab ID: 2109219-005

Matrix: Water

Client Sample ID: HY-12i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	50.0	D	µg/L	50	9/17/2021 5:50:15 AM
Hexachloro-1,3-butadiene	ND	100	D	µg/L	50	9/17/2021 5:50:15 AM
1,2,3-Trichlorobenzene	ND	25.0	D	µg/L	50	9/17/2021 5:50:15 AM
Surr: Dibromofluoromethane	102	80 - 120	D	%Rec	50	9/17/2021 5:50:15 AM
Surr: Toluene-d8	94.5	80 - 120	D	%Rec	50	9/17/2021 5:50:15 AM
Surr: 1-Bromo-4-fluorobenzene	95.8	80 - 120	D	%Rec	50	9/17/2021 5:50:15 AM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 11:30:00 AM

Project: BSB - Shallow

Lab ID: 2109219-006

Matrix: Water

Client Sample ID: HYCP-3i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	10.0	D	µg/L	10	9/17/2021 6:50:19 AM
Chloromethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Vinyl chloride	12,600	100	D	µg/L	500	9/17/2021 4:50:22 AM
Bromomethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Trichlorofluoromethane (CFC-11)	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Chloroethane	ND	10.0	D	µg/L	10	9/17/2021 6:50:19 AM
1,1-Dichloroethene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Methylene chloride	ND	10.0	D	µg/L	10	9/17/2021 6:50:19 AM
trans-1,2-Dichloroethene	52.8	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,1-Dichloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
cis-1,2-Dichloroethene	6,240	250	D	µg/L	500	9/17/2021 4:50:22 AM
Chloroform	ND	10.0	D	µg/L	10	9/17/2021 6:50:19 AM
1,1,1-Trichloroethane (TCA)	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,1-Dichloropropene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Carbon tetrachloride	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,2-Dichloroethane (EDC)	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Trichloroethene (TCE)	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,2-Dichloropropane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Bromodichloromethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Dibromomethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
cis-1,3-Dichloropropene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
trans-1,3-Dichloropropylene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,1,2-Trichloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,3-Dichloropropane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Tetrachloroethene (PCE)	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Dibromochloromethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,2-Dibromoethane (EDB)	ND	2.00	D	µg/L	10	9/17/2021 6:50:19 AM
Chlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,1,1,2-Tetrachloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Bromoform	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,1,2,2-Tetrachloroethane	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Bromobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
2-Chlorotoluene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
4-Chlorotoluene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,2,3-Trichloropropane	ND	20.0	D	µg/L	10	9/17/2021 6:50:19 AM
1,2,4-Trichlorobenzene	ND	10.0	D	µg/L	10	9/17/2021 6:50:19 AM
1,3-Dichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,4-Dichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
1,2-Dichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 11:30:00 AM

Project: BSB - Shallow

Lab ID: 2109219-006

Matrix: Water

Client Sample ID: HYCP-3i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	10.0	D	µg/L	10	9/17/2021 6:50:19 AM
Hexachloro-1,3-butadiene	ND	20.0	D	µg/L	10	9/17/2021 6:50:19 AM
1,2,3-Trichlorobenzene	ND	5.00	D	µg/L	10	9/17/2021 6:50:19 AM
Surr: Dibromofluoromethane	102	80 - 120	D	%Rec	10	9/17/2021 6:50:19 AM
Surr: Toluene-d8	92.3	80 - 120	D	%Rec	10	9/17/2021 6:50:19 AM
Surr: 1-Bromo-4-fluorobenzene	97.7	80 - 120	D	%Rec	10	9/17/2021 6:50:19 AM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 12:10:00 PM

Project: BSB - Shallow

Lab ID: 2109219-007

Matrix: Water

Client Sample ID: HYCP-2-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 8:21:16 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 8:21:16 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 8:21:16 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 8:21:16 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
cis-1,2-Dichloroethene	0.630	0.500		µg/L	1	9/16/2021 8:21:16 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 8:21:16 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 8:21:16 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 8:21:16 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 8:21:16 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 12:10:00 PM

Project: BSB - Shallow

Lab ID: 2109219-007

Matrix: Water

Client Sample ID: HYCP-2-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 8:21:16 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 8:21:16 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:21:16 PM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	9/16/2021 8:21:16 PM
Surr: Toluene-d8	95.6	80 - 120		%Rec	1	9/16/2021 8:21:16 PM
Surr: 1-Bromo-4-fluorobenzene	96.2	80 - 120		%Rec	1	9/16/2021 8:21:16 PM



Analytical Report

Work Order: 2109219
Date Reported: 9/21/2021

Client: PES Environmental, Inc.

Collection Date: 9/14/2021 12:50:00 PM

Project: BSB - Shallow

Lab ID: 2109219-008

Matrix: Water

Client Sample ID: HYCP-2i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 8:51:13 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 8:51:13 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 8:51:13 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 8:51:13 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 8:51:13 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 8:51:13 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 8:51:13 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 8:51:13 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM

Original



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 12:50:00 PM

Project: BSB - Shallow

Lab ID: 2109219-008

Matrix: Water

Client Sample ID: HYCP-2i-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 8:51:13 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 8:51:13 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 8:51:13 PM
Surr: Dibromofluoromethane	99.7	80 - 120		%Rec	1	9/16/2021 8:51:13 PM
Surr: Toluene-d8	94.4	80 - 120		%Rec	1	9/16/2021 8:51:13 PM
Surr: 1-Bromo-4-fluorobenzene	96.5	80 - 120		%Rec	1	9/16/2021 8:51:13 PM



Analytical Report

Work Order: 2109219
Date Reported: 9/21/2021

Client: PES Environmental, Inc.

Collection Date: 9/14/2021 1:30:00 PM

Project: BSB - Shallow

Lab ID: 2109219-009

Matrix: Water

Client Sample ID: Gi-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 9:21:10 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 9:21:10 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 9:21:10 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 9:21:10 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 9:21:10 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 9:21:10 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 9:21:10 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 9:21:10 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM

Original



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 1:30:00 PM

Project: BSB - Shallow

Lab ID: 2109219-009

Matrix: Water

Client Sample ID: Gi-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 9:21:10 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 9:21:10 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:21:10 PM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	9/16/2021 9:21:10 PM
Surr: Toluene-d8	98.6	80 - 120		%Rec	1	9/16/2021 9:21:10 PM
Surr: 1-Bromo-4-fluorobenzene	96.9	80 - 120		%Rec	1	9/16/2021 9:21:10 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 2:05:00 PM

Project: BSB - Shallow

Lab ID: 2109219-010

Matrix: Water

Client Sample ID: Gs-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 9:51:10 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 9:51:10 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 9:51:10 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 9:51:10 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 9:51:10 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 9:51:10 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 9:51:10 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 9:51:10 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 2:05:00 PM

Project: BSB - Shallow

Lab ID: 2109219-010

Matrix: Water

Client Sample ID: Gs-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 9:51:10 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 9:51:10 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 9:51:10 PM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	9/16/2021 9:51:10 PM
Surr: Toluene-d8	96.1	80 - 120		%Rec	1	9/16/2021 9:51:10 PM
Surr: 1-Bromo-4-fluorobenzene	96.1	80 - 120		%Rec	1	9/16/2021 9:51:10 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 3:00:00 PM

Project: BSB - Shallow

Lab ID: 2109219-011

Matrix: Water

Client Sample ID: Hs-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 10:21:07 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 10:21:07 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 10:21:07 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 10:21:07 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 10:21:07 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 10:21:07 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 10:21:07 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 10:21:07 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 3:00:00 PM

Project: BSB - Shallow

Lab ID: 2109219-011

Matrix: Water

Client Sample ID: Hs-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 10:21:07 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 10:21:07 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:21:07 PM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	9/16/2021 10:21:07 PM
Surr: Toluene-d8	98.7	80 - 120		%Rec	1	9/16/2021 10:21:07 PM
Surr: 1-Bromo-4-fluorobenzene	94.6	80 - 120		%Rec	1	9/16/2021 10:21:07 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 3:25:00 PM

Project: BSB - Shallow

Lab ID: 2109219-012

Matrix: Water

Client Sample ID: Hi-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 10:51:04 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 10:51:04 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 10:51:04 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 10:51:04 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 10:51:04 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 10:51:04 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 10:51:04 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 10:51:04 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM



Client: PES Environmental, Inc.

Collection Date: 9/14/2021 3:25:00 PM

Project: BSB - Shallow

Lab ID: 2109219-012

Matrix: Water

Client Sample ID: Hi-091421

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 10:51:04 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 10:51:04 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 10:51:04 PM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	9/16/2021 10:51:04 PM
Surr: Toluene-d8	98.5	80 - 120		%Rec	1	9/16/2021 10:51:04 PM
Surr: 1-Bromo-4-fluorobenzene	95.9	80 - 120		%Rec	1	9/16/2021 10:51:04 PM



Client: PES Environmental, Inc.

Collection Date: 9/15/2021 10:50:00 AM

Project: BSB - Shallow

Lab ID: 2109219-013

Matrix: Water

Client Sample ID: HYCP-7s-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 11:21:00 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 11:21:00 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 11:21:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 11:21:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 11:21:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 11:21:00 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 11:21:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 11:21:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM



Client: PES Environmental, Inc.

Collection Date: 9/15/2021 10:50:00 AM

Project: BSB - Shallow

Lab ID: 2109219-013

Matrix: Water

Client Sample ID: HYCP-7s-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 11:21:00 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 11:21:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:21:00 PM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	9/16/2021 11:21:00 PM
Surr: Toluene-d8	95.2	80 - 120		%Rec	1	9/16/2021 11:21:00 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	80 - 120		%Rec	1	9/16/2021 11:21:00 PM



Client: PES Environmental, Inc.

Collection Date: 9/15/2021 11:35:00 AM

Project: BSB - Shallow

Lab ID: 2109219-014

Matrix: Water

Client Sample ID: HYCP-7i-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/16/2021 11:50:58 PM
Chloromethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Vinyl chloride	ND	0.200		µg/L	1	9/16/2021 11:50:58 PM
Bromomethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Chloroethane	ND	1.00		µg/L	1	9/16/2021 11:50:58 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Methylene chloride	ND	1.00		µg/L	1	9/16/2021 11:50:58 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Chloroform	ND	1.00		µg/L	1	9/16/2021 11:50:58 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Carbon tetrachloride	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Bromodichloromethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Dibromomethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Dibromochloromethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/16/2021 11:50:58 PM
Chlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Bromoform	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Bromobenzene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
2-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
4-Chlorotoluene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/16/2021 11:50:58 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/16/2021 11:50:58 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM



Client: PES Environmental, Inc.

Collection Date: 9/15/2021 11:35:00 AM

Project: BSB - Shallow

Lab ID: 2109219-014

Matrix: Water

Client Sample ID: HYCP-7i-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/16/2021 11:50:58 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/16/2021 11:50:58 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/16/2021 11:50:58 PM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	9/16/2021 11:50:58 PM
Surr: Toluene-d8	95.5	80 - 120		%Rec	1	9/16/2021 11:50:58 PM
Surr: 1-Bromo-4-fluorobenzene	95.3	80 - 120		%Rec	1	9/16/2021 11:50:58 PM



Client: PES Environmental, Inc.

Collection Date: 9/15/2021 12:55:00 PM

Project: BSB - Shallow

Lab ID: 2109219-015

Matrix: Water

Client Sample ID: HY-11s-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/17/2021 12:20:53 AM
Chloromethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Vinyl chloride	ND	0.200		µg/L	1	9/17/2021 12:20:53 AM
Bromomethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Chloroethane	ND	1.00		µg/L	1	9/17/2021 12:20:53 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Methylene chloride	ND	1.00		µg/L	1	9/17/2021 12:20:53 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
cis-1,2-Dichloroethene	3.13	0.500		µg/L	1	9/17/2021 12:20:53 AM
Chloroform	ND	1.00		µg/L	1	9/17/2021 12:20:53 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Carbon tetrachloride	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Bromodichloromethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Dibromomethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Dibromochloromethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/17/2021 12:20:53 AM
Chlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Bromoform	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Bromobenzene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
2-Chlorotoluene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
4-Chlorotoluene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/17/2021 12:20:53 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/17/2021 12:20:53 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM



Client: PES Environmental, Inc.

Collection Date: 9/15/2021 12:55:00 PM

Project: BSB - Shallow

Lab ID: 2109219-015

Matrix: Water

Client Sample ID: HY-11s-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/17/2021 12:20:53 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/17/2021 12:20:53 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:20:53 AM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	9/17/2021 12:20:53 AM
Surr: Toluene-d8	98.7	80 - 120		%Rec	1	9/17/2021 12:20:53 AM
Surr: 1-Bromo-4-fluorobenzene	95.2	80 - 120		%Rec	1	9/17/2021 12:20:53 AM



Analytical Report

Work Order: 2109219
Date Reported: 9/21/2021

Client: PES Environmental, Inc.

Collection Date: 9/15/2021 1:35:00 PM

Project: BSB - Shallow

Lab ID: 2109219-016

Matrix: Water

Client Sample ID: HY-11i-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/17/2021 12:50:50 AM
Chloromethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Vinyl chloride	ND	0.200		µg/L	1	9/17/2021 12:50:50 AM
Bromomethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Chloroethane	ND	1.00		µg/L	1	9/17/2021 12:50:50 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Methylene chloride	ND	1.00		µg/L	1	9/17/2021 12:50:50 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Chloroform	ND	1.00		µg/L	1	9/17/2021 12:50:50 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Carbon tetrachloride	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Bromodichloromethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Dibromomethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Dibromochloromethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/17/2021 12:50:50 AM
Chlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Bromoform	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Bromobenzene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
2-Chlorotoluene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
4-Chlorotoluene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/17/2021 12:50:50 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/17/2021 12:50:50 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM

Original



Client: PES Environmental, Inc.

Collection Date: 9/15/2021 1:35:00 PM

Project: BSB - Shallow

Lab ID: 2109219-016

Matrix: Water

Client Sample ID: HY-11i-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/17/2021 12:50:50 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/17/2021 12:50:50 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/17/2021 12:50:50 AM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	9/17/2021 12:50:50 AM
Surr: Toluene-d8	95.5	80 - 120		%Rec	1	9/17/2021 12:50:50 AM
Surr: 1-Bromo-4-fluorobenzene	95.0	80 - 120		%Rec	1	9/17/2021 12:50:50 AM



Client: PES Environmental, Inc.

Collection Date: 9/8/2021 8:45:00 AM

Project: BSB - Shallow

Lab ID: 2109219-017

Matrix: Water

Client Sample ID: TB-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	9/17/2021 7:50:17 AM
Chloromethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Vinyl chloride	ND	0.200		µg/L	1	9/17/2021 7:50:17 AM
Bromomethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Chloroethane	ND	1.00		µg/L	1	9/17/2021 7:50:17 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Methylene chloride	ND	1.00		µg/L	1	9/17/2021 7:50:17 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Chloroform	ND	1.00		µg/L	1	9/17/2021 7:50:17 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Carbon tetrachloride	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Bromodichloromethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Dibromomethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Dibromochloromethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	9/17/2021 7:50:17 AM
Chlorobenzene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Bromoform	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Bromobenzene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
2-Chlorotoluene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
4-Chlorotoluene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	9/17/2021 7:50:17 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/17/2021 7:50:17 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM



Client: PES Environmental, Inc.

Collection Date: 9/8/2021 8:45:00 AM

Project: BSB - Shallow

Lab ID: 2109219-017

Matrix: Water

Client Sample ID: TB-091521

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33727

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	9/17/2021 7:50:17 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	9/17/2021 7:50:17 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	9/17/2021 7:50:17 AM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	9/17/2021 7:50:17 AM
Surr: Toluene-d8	98.6	80 - 120		%Rec	1	9/17/2021 7:50:17 AM
Surr: 1-Bromo-4-fluorobenzene	96.0	80 - 120		%Rec	1	9/17/2021 7:50:17 AM

Work Order: 2109219
CLIENT: PES Environmental, Inc.
Project: BSB - Shallow

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33727	SampType: MBLK	Units: µg/L	Prep Date: 9/16/2021	RunNo: 69976							
Client ID: MBLKW	Batch ID: 33727		Analysis Date: 9/16/2021	SeqNo: 1418866							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.25									
Chloromethane	ND	0.750									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.20									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
Acetone	ND	6.00									
Methylene chloride	ND	0.750									
trans-1,2-Dichloroethene	ND	0.500									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
(MEK) 2-Butanone	ND	1.50									
Chloroform	ND	0.500									
1,1,1-Trichloroethane (TCA)	ND	0.400									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	0.750									
1,2-Dichloroethane (EDC)	ND	0.400									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
trans-1,3-Dichloropropylene	ND	0.500									
Methyl Isobutyl Ketone (MIBK)	ND	1.25									
1,1,2-Trichloroethane	ND	0.350									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.400									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.300									

Work Order: 2109219
 CLIENT: PES Environmental, Inc.
 Project: BSB - Shallow

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33727	SampType: MBLK	Units: µg/L	Prep Date: 9/16/2021	RunNo: 69976							
Client ID: MBLKW	Batch ID: 33727		Analysis Date: 9/16/2021	SeqNo: 1418866							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Hexanone	ND	1.00									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.300									
Bromoform	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.400									
Bromobenzene	ND	0.500									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
1,2,3-Trichloropropane	ND	0.400									
1,2,4-Trichlorobenzene	ND	0.750									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	1.00									
Hexachloro-1,3-butadiene	ND	0.500									
1,2,3-Trichlorobenzene	ND	0.700									
Surr: Dibromofluoromethane	24.9		25.00		99.7	80	120				
Surr: Toluene-d8	24.7		25.00		98.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.1		25.00		96.3	80	120				

Sample ID: 2109226-001BMS	SampType: MS	Units: µg/L	Prep Date: 9/16/2021	RunNo: 69976							
Client ID: BATCH	Batch ID: 33727		Analysis Date: 9/17/2021	SeqNo: 1418862							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	8.87	1.25	20.00	0	44.4	5	146				
Chloromethane	18.1	0.750	20.00	0	90.5	24	156				
Vinyl chloride	16.0	0.200	20.00	0	79.8	44.9	151				
Bromomethane	16.2	1.20	20.00	0	81.0	30.7	196				
Trichlorofluoromethane (CFC-11)	15.7	0.500	20.00	0	78.4	70.5	134				
Chloroethane	16.7	1.00	20.00	0	83.5	63.2	134				

Work Order: 2109219
CLIENT: PES Environmental, Inc.
Project: BSB - Shallow

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109226-001BMS	SampType: MS	Units: µg/L	Prep Date: 9/16/2021	RunNo: 69976							
Client ID: BATCH	Batch ID: 33727		Analysis Date: 9/17/2021	SeqNo: 1418862							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	18.4	0.500	20.00	0	91.8	73.3	134				
Acetone	63.9	6.00	50.00	5.611	117	61.1	149				
Methylene chloride	19.5	0.750	20.00	0	97.7	76	130				
trans-1,2-Dichloroethene	20.3	0.500	20.00	0	102	77.2	131				
1,1-Dichloroethane	20.6	0.500	20.00	0	103	75	138				
cis-1,2-Dichloroethene	20.5	0.500	20.00	0	103	77.6	130				
(MEK) 2-Butanone	56.1	1.50	50.00	0	112	60.4	140				
Chloroform	20.3	0.500	20.00	0	102	77.5	133				
1,1,1-Trichloroethane (TCA)	19.7	0.400	20.00	0	98.6	83.5	128				
1,1-Dichloropropene	19.2	0.500	20.00	0	95.9	80.2	133				
Carbon tetrachloride	19.0	0.750	20.00	0	95.2	80.8	131				
1,2-Dichloroethane (EDC)	20.5	0.400	20.00	0	102	74.5	129				
Trichloroethene (TCE)	20.4	0.500	20.00	0	102	72.5	130				
1,2-Dichloropropane	20.5	0.500	20.00	0	102	74	135				
Bromodichloromethane	20.7	0.500	20.00	0	104	75.6	132				
Dibromomethane	21.3	0.500	20.00	0	106	79.2	125				
cis-1,3-Dichloropropene	20.1	0.500	20.00	0	101	56.6	136				
trans-1,3-Dichloropropylene	20.2	0.500	20.00	0	101	55.6	135				
Methyl Isobutyl Ketone (MIBK)	58.0	1.25	50.00	0	116	62.2	139				
1,1,2-Trichloroethane	21.5	0.350	20.00	0	107	76.4	125				
1,3-Dichloropropane	21.4	0.500	20.00	0	107	75.2	126				
Tetrachloroethene (PCE)	19.9	0.400	20.00	0	99.4	77.7	126				
Dibromochloromethane	21.6	1.00	20.00	0	108	71.1	128				
1,2-Dibromoethane (EDB)	21.7	0.300	20.00	0	109	72.9	126				
2-Hexanone	55.8	1.00	50.00	0	112	59.9	141				
Chlorobenzene	20.6	0.500	20.00	0	103	87.6	118				
1,1,1,2-Tetrachloroethane	21.1	0.300	20.00	0	105	83.5	119				
Bromoform	23.6	0.500	20.00	0	118	74.9	129				
1,1,2,2-Tetrachloroethane	23.1	0.400	20.00	0	116	79.9	142				
Bromobenzene	21.3	0.500	20.00	0	107	84.4	116				

Work Order: 2109219
 CLIENT: PES Environmental, Inc.
 Project: BSB - Shallow

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109226-001BMS	SampType: MS	Units: µg/L				Prep Date: 9/16/2021	RunNo: 69976				
Client ID: BATCH	Batch ID: 33727					Analysis Date: 9/17/2021	SeqNo: 1418862				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorotoluene	20.6	0.500	20.00	0	103	82.2	126				
4-Chlorotoluene	20.5	0.500	20.00	0	102	81.5	125				
1,2,3-Trichloropropane	22.4	0.400	20.00	0	112	71.1	127				
1,2,4-Trichlorobenzene	19.2	0.750	20.00	0	95.8	71.4	125				
1,3-Dichlorobenzene	20.4	0.500	20.00	0	102	85.9	121				
1,4-Dichlorobenzene	20.4	0.500	20.00	0	102	86.6	119				
1,2-Dichlorobenzene	21.0	0.500	20.00	0	105	87.2	119				
1,2-Dibromo-3-chloropropane	22.5	1.00	20.00	0	112	66.1	146				
Hexachloro-1,3-butadiene	17.6	0.500	20.00	0	88.0	73.8	130				
1,2,3-Trichlorobenzene	19.3	0.700	20.00	0	96.3	73.5	124				
Surr: Dibromofluoromethane	25.3		25.00		101	80	120				
Surr: Toluene-d8	24.9		25.00		99.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.4		25.00		106	80	120				

Sample ID: 2109219-004ADUP	SampType: DUP	Units: µg/L				Prep Date: 9/16/2021	RunNo: 69976				
Client ID: HY-13i-091421	Batch ID: 33727					Analysis Date: 9/17/2021	SeqNo: 1418843				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	625						0		30	D
Chloromethane	ND	375						0		30	D
Vinyl chloride	1,130	100						1,119	0.848	30	D
Bromomethane	ND	600						0		30	D
Trichlorofluoromethane (CFC-11)	ND	250						0		30	D
Chloroethane	ND	500						0		30	D
1,1-Dichloroethene	ND	250						0		30	D
Acetone	ND	3,000						0		30	D
Methylene chloride	ND	375						0		30	D
trans-1,2-Dichloroethene	ND	250						0		30	D
1,1-Dichloroethane	ND	250						0		30	D
cis-1,2-Dichloroethene	7,410	250						7,509	1.31	30	D



Work Order: 2109219
 CLIENT: PES Environmental, Inc.
 Project: BSB - Shallow

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109219-004ADUP	SampType: DUP	Units: µg/L	Prep Date: 9/16/2021	RunNo: 69976							
Client ID: HY-13i-091421	Batch ID: 33727		Analysis Date: 9/17/2021	SeqNo: 1418843							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

(MEK) 2-Butanone	ND	750						0		30	D
Chloroform	ND	250						0		30	D
1,1,1-Trichloroethane (TCA)	ND	200						0		30	D
1,1-Dichloropropene	ND	250						0		30	D
Carbon tetrachloride	ND	375						0		30	D
1,2-Dichloroethane (EDC)	ND	200						0		30	D
Trichloroethene (TCE)	ND	250						0		30	D
1,2-Dichloropropane	ND	250						0		30	D
Bromodichloromethane	ND	250						0		30	D
Dibromomethane	ND	250						0		30	D
cis-1,3-Dichloropropene	ND	250						0		30	D
trans-1,3-Dichloropropylene	ND	250						0		30	D
Methyl Isobutyl Ketone (MIBK)	ND	625						0		30	D
1,1,2-Trichloroethane	ND	175						0		30	D
1,3-Dichloropropane	ND	250						0		30	D
Tetrachloroethene (PCE)	ND	200						0		30	D
Dibromochloromethane	ND	500						0		30	D
1,2-Dibromoethane (EDB)	ND	150						0		30	D
2-Hexanone	ND	500						0		30	D
Chlorobenzene	ND	250						0		30	D
1,1,1,2-Tetrachloroethane	ND	150						0		30	D
Bromoform	ND	250						0		30	D
1,1,1,2,2-Tetrachloroethane	ND	200						0		30	D
Bromobenzene	ND	250						0		30	D
2-Chlorotoluene	ND	250						0		30	D
4-Chlorotoluene	ND	250						0		30	D
1,2,3-Trichloropropane	ND	200						0		30	D
1,2,4-Trichlorobenzene	ND	375						0		30	D
1,3-Dichlorobenzene	ND	250						0		30	D
1,4-Dichlorobenzene	ND	250						0		30	D

Work Order: 2109219
CLIENT: PES Environmental, Inc.
Project: BSB - Shallow

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109219-004ADUP	SampType: DUP	Units: µg/L			Prep Date: 9/16/2021	RunNo: 69976					
Client ID: HY-13i-091421	Batch ID: 33727				Analysis Date: 9/17/2021	SeqNo: 1418843					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	250						0		30	D
1,2-Dibromo-3-chloropropane	ND	500						0		30	D
Hexachloro-1,3-butadiene	ND	250						0		30	D
1,2,3-Trichlorobenzene	ND	350						0		30	D
Surr: Dibromofluoromethane	12,600		12,500		101	80	120		0		D
Surr: Toluene-d8	12,000		12,500		95.9	80	120		0		D
Surr: 1-Bromo-4-fluorobenzene	12,100		12,500		96.9	80	120		0		D

Client Name: PES	Work Order Number: 2109219
Logged by: Clare Griggs	Date Received: 9/15/2021 4:37:00 PM

Chain of Custody

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

Log In

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

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text" value="Bill Haldeman"/>	Date:	<input type="text" value="9/16/2021"/>
By Whom:	<input type="text" value="Clare Griggs"/>	Via:	<input checked="" type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text" value="Sample Temperature"/>		
Client Instructions:	<input type="text" value="Okav to proceed with analysis."/>		

19. Additional remarks:

Headspace present in one VOA, not used for analysis- gac

Item Information

Item #	Temp °C
Sample	10.9

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



Fremont
ANALYTICAL

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/15/21 Page: 1 of 2

Project Name: BSB - Shallow

Project No: 837.001.47.004

Collected by: Sean Koworsky

Location: Kent, WA

Report To (PM): bhalderman@presenv.com

PM Email: Bill Halderman

Laboratory Project No (Internal): 2109219

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: PES Environmental
Address: 2101 4th Ave #1310
City, State, Zip: Seattle, WA, 98121
Telephone: 206-529-3980
Fax: 206-529-3985

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8082 / 608)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (8011)	EPA 8260B	Comments
1 MW-101-091321	9/13/21	1230	W	3														
2 AAW HY-15-091321	9/13/21	1355	1	3														
3 HY-1i-091321	9/13/21	1430	1	3														
4 HY-13i-091421	9/14/21	1025	1	3														
5 HY-12i-091421		1100	1	3														
6 HYCP-3i-091421		1130	1	3														
7 HYCP-2-091421		1210	1	3														
8 HYCP-2i-091421		1250	1	3														
9 Gi-091421		1330	1	3														
10 Gs-091421		1405	1	3														

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Sr Sn Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *[Signature]* Print Name Sean Koworsky Date/Time 9/15/21 @ 1620
 Received (Signature) *[Signature]* Print Name Athena B Date/Time 16:37
 Relinquished (Signature) *[Signature]* Print Name Sean Koworsky Date/Time 9/15/21 @ 1620
 Received (Signature) *[Signature]* Print Name Athena B Date/Time 16:37

