PES Environmental, Inc.
Engineering & Environmental Services
AN NV5 COMPANY

April 20, 2022

827.001.49

Washington State Department of Ecology
Northwest Regional Office
15700 Dayton Avenue North
Shoreline, Washington 98133

Attention: Ms. Valerie Cramer

CLEANUP PROGRESS REPORT, FIRST QUARTER 2022
BSB PROPERTY, KENT, WASHINGTON
CONSENT DECREE No. 11-2-27288-5

Dear Ms. Cramer:

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 January 1 through March 31, 2022. 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 first quarter of 2022, 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 2.21 gallons per minute (gpm) in January, 1.79 gpm in February, and 1.82 gpm in March, for an average pumping rate of 1.94 gpm for the quarter. A total of 251,897 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 Plan[1] (as modified by the frequency reduction approved by Ecology[2]) on March 9; and,
- Collected discharge monitoring samples consistent with BSB's King County Industrial Waste (KCIW) permit on March 9 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 March groundwater quality data and data validation review memorandum for Compliance Monitoring Plan monitoring wells. 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 second quarter of 2022.

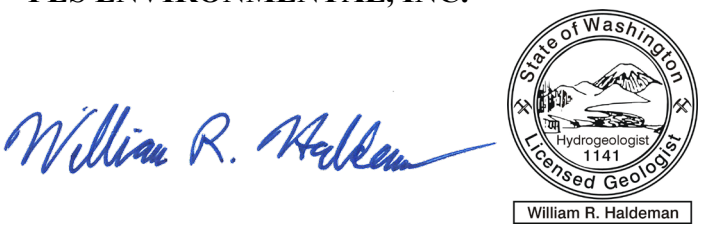
[1] PES Environmental, Inc. 2015. *Compliance Monitoring Plan, Shallow Aquifer Cleanup Action, BSB Property, Kent, Washington.* Submitted on behalf of B.S.B. Diversified Company, Inc., to the Washington State Department of Ecology. December 18.

[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, 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 – March 2022 Analytical Laboratory Reports and Data Validation Memorandum

cc: John FitzSimons, B.S.B. Diversified Company, Inc.
Ronald Burt, Burt Geology & Environmental Applications, PLLC
David DiBoyan, Hexcel Corporation
Chinnathambi Esakkiperumal, Hexcel Corporation

Table 1

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

	Average Groundwater Elevation (feet)								Groundwater Extraction		SeaTac
	Shallow Wells			Intermediate Wells			Inside Vault		Monthly	Monthly	Airport
Month	Inside P-1	Outside P-3	ΔH	Inside P-2	Outside P-4	ΔH	Cell 6 P-5	Cell 1 P-6	Totals (gallons)	Average Rate (gpm)	Precipitation (inches)
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

	Average Groundwater Elevation (feet)								Groundwater Extraction		SeaTac Airport
	Shallow Wells			Intermediate Wells			Inside Vault		Monthly	Monthly	
Month	Inside P-1	Outside P-3	ΔH	Inside P-2	Outside P-4	ΔH	Cell 6 P-5	Cell 1 P-6	Totals (gallons)	Average Rate (gpm)	Precipitation (inches)
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	ΔH	Inside P-2	Outside P-4	ΔH	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	20.43	20.29	-0.14	18.17	18.32	42,223	0.98	3.02
October 2021	20.41	22.11	1.70	21.03	21.28	0.25	18.43	19.35	34,399	0.77	5.76
November 2021	22.23	23.53	1.30	22.58	22.58	0.00	19.77	21.19	36,262	0.84	10.26
December 2021	22.66	23.62	0.96	22.93	22.86	-0.06	20.82	20.62	61,552	1.38	4.08
2021	**20.08**	**22.36**	**2.03**	**21.53**	**21.69**	**0.16**	**18.75**	**18.82**	**742,173**	**1.54**	**43.33**
January 2022	21.68	23.67	1.99	22.89	22.69	-0.20	20.67	19.61	98,479	2.21	7.16
February 2022	20.08	22.65	2.57	21.64	22.01	0.38	19.23	18.63	72,248	1.79	5.32
March 2022	21.57	23.49	1.93	22.72	22.68	-0.04	19.62	20.00	81,169	1.82	3.32
2022	**21.11**	**23.27**	**2.16**	**22.42**	**22.46**	**0.04**	**19.84**	**19.41**	**251,897**	**1.94**	**15.80**

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 realtive to the soil-bentonite cutoff wall.
4. ΔH = 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. – = 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.
6. P-1 transducer faulty during November and December 2021; groundwater elevations represent averages of two electronic probe measurements each month.

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	–	–

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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

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
12/2/20	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	–	–
12/15/21	1.40	4.08	22.91	23.48	0.57	22.84	23.78	0.94	23.26	25.16	1.90	23.03	25.63	2.60	21.86	24.00	2.14	–	–
2021 Shallow Averages			**20.57**	**22.05**	**1.48**	**21.33**	**22.04**	**0.70**	**22.04**	**23.08**	**1.04**	**21.72**	**23.78**	**2.06**	**20.22**	**22.61**	**2.39**	–	–
3/9/22	1.21	3.32	21.94	23.23	1.29	22.76	23.09	0.33	23.24	24.90	1.66	22.98	25.20	2.22	21.96	23.48	1.52	–	–
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	–

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	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	–
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	–

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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
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	–
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**	**–**

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
3/18/19	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	–
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	–
12/15/21	1.40	4.08	22.67	22.55	-0.12	22.84	22.65	-0.19	23.04	24.26	1.22	23.02	25.61	2.59	22.88	23.87	0.99	23.00	–
2021 Intermediate Averages			**21.37**	**21.42**	**0.05**	**21.61**	**21.73**	**0.12**	**21.72**	**22.72**	**1.01**	**21.69**	**23.78**	**2.09**	**21.51**	**22.58**	**1.08**	**21.67**	–
3/9/22	1.21	3.32	22.61	22.37	-0.24	22.92	22.83	-0.09	22.95	24.08	1.13	22.95	25.18	2.23	22.82	23.54	0.72	22.96	–
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

Table 2

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BSB Property, Kent, Washington

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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
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
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

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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
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
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**

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
3/18/19	–	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
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
12/15/21	–	4.08	–	24.16	1.61	–	24.43	1.78	–	24.76	0.50	–	25.30	-0.31	24.75	–	1.87	24.58	1.58
2021 Deep Averages			–	**23.21**	**1.79**	–	**23.43**	**1.71**	–	**23.74**	**1.01**	–	**24.20**	**0.42**	**23.60**	–	**2.09**	**23.52**	**1.86**
3/9/22	–	3.32	–	23.92	1.55	–	24.17	1.34	–	24.51	0.43	–	24.95	-0.23	24.28	–	1.46	24.24	1.28

Notes:
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).

[a] Groundwater elevation suspect based on change in groundwater elevation from previous month compared to other wells.

ATTACHMENT A
March 2022 Laboratory Analytical Reports

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Bill Haldeman
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: BSB
Work Order Number: 2203272

March 22, 2022

Attention Bill Haldeman:

Fremont Analytical, Inc. received 15 sample(s) on 3/11/2022 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

Date: *03/22/2022*

CLIENT: PES Environmental, Inc.
Project: BSB
Work Order: 2203272

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203272-001	HY-1i-030922	03/09/2022 2:25 PM	03/11/2022 8:15 AM
2203272-002	HY-1s-030922	03/09/2022 3:05 PM	03/11/2022 8:15 AM
2203272-003	Gs-030922	03/09/2022 3:55 PM	03/11/2022 8:15 AM
2203272-004	Gi-030922	03/09/2022 4:35 PM	03/11/2022 8:15 AM
2203272-005	HYCP-3i-031022	03/10/2022 9:45 AM	03/11/2022 8:15 AM
2203272-006	HYCP-12i-031022	03/10/2022 11:05 AM	03/11/2022 8:15 AM
2203272-007	HYCP-13i-031022	03/10/2022 11:40 AM	03/11/2022 8:15 AM
2203272-008	MW101-031022	03/10/2022 12:30 PM	03/11/2022 8:15 AM
2203272-009	HYCP-2-031022	03/10/2022 1:25 PM	03/11/2022 8:15 AM
2203272-010	HYCP-2i-031022	03/10/2022 2:15 PM	03/11/2022 8:15 AM
2203272-011	Hi-031022	03/10/2022 3:15 PM	03/11/2022 8:15 AM
2203272-012	Hs-031022	03/10/2022 3:45 PM	03/11/2022 8:15 AM
2203272-013	HYCP-7i-031022	03/10/2022 4:35 PM	03/11/2022 8:15 AM
2203272-014	HYCP-7s-031022	03/10/2022 5:15 PM	03/11/2022 8:15 AM
2203272-015	TB-031022	03/08/2022 4:30 PM	03/11/2022 8:15 AM

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

Case Narrative

WO#: **2203272**
Date: **3/22/2022**

CLIENT: PES Environmental, Inc.
Project: BSB

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

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 2:25:00 PM
Project: BSB
Lab ID: 2203272-001
Matrix: Groundwater
Client Sample ID: **HY-1i-030922**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35756 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/16/2022 8:09:56 PM
Chloromethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Vinyl chloride	0.512	0.200		µg/L	1	3/16/2022 8:09:56 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 8:09:56 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 8:09:56 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,1-Dichloroethane	0.629	0.500		µg/L	1	3/16/2022 8:09:56 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 8:09:56 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 8:09:56 PM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Bromoform	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 8:09:56 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 8:09:56 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 2:25:00 PM
Project: BSB
Lab ID: 2203272-001
Matrix: Groundwater
Client Sample ID: **HY-1i-030922**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35756		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 8:09:56 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 8:09:56 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:09:56 PM
Surr: Dibromofluoromethane	93.8	80 - 120		%Rec	1	3/16/2022 8:09:56 PM
Surr: Toluene-d8	96.5	80 - 120		%Rec	1	3/16/2022 8:09:56 PM
Surr: 1-Bromo-4-fluorobenzene	91.5	80 - 120		%Rec	1	3/16/2022 8:09:56 PM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 3:05:00 PM
Project: BSB
Lab ID: 2203272-002
Matrix: Groundwater
Client Sample ID: **HY-1s-030922**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35756 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/16/2022 8:40:03 PM
Chloromethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Vinyl chloride	16.4	0.200		µg/L	1	3/16/2022 8:40:03 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 8:40:03 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 8:40:03 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
cis-1,2-Dichloroethene	3.51	0.500		µg/L	1	3/16/2022 8:40:03 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 8:40:03 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 8:40:03 PM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Bromoform	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 8:40:03 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 8:40:03 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 3:05:00 PM
Project: BSB
Lab ID: 2203272-002
Matrix: Groundwater
Client Sample ID: **HY-1s-030922**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35756		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 8:40:03 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 8:40:03 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 8:40:03 PM
Surr: Dibromofluoromethane	96.4	80 - 120		%Rec	1	3/16/2022 8:40:03 PM
Surr: Toluene-d8	97.2	80 - 120		%Rec	1	3/16/2022 8:40:03 PM
Surr: 1-Bromo-4-fluorobenzene	91.9	80 - 120		%Rec	1	3/16/2022 8:40:03 PM

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 3:55:00 PM
Project: BSB
Lab ID: 2203272-003
Matrix: Groundwater
Client Sample ID: **Gs-030922**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35756		Analyst: MVB
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/16/2022 9:10:10 PM
Chloromethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Vinyl chloride	ND	0.200		µg/L	1	3/16/2022 9:10:10 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 9:10:10 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 9:10:10 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 9:10:10 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 9:10:10 PM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Bromoform	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 9:10:10 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 9:10:10 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 3:55:00 PM
Project: BSB
Lab ID: 2203272-003
Matrix: Groundwater
Client Sample ID: **Gs-030922**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35756		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 9:10:10 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 9:10:10 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:10:10 PM
Surr: Dibromofluoromethane	95.3	80 - 120		%Rec	1	3/16/2022 9:10:10 PM
Surr: Toluene-d8	97.1	80 - 120		%Rec	1	3/16/2022 9:10:10 PM
Surr: 1-Bromo-4-fluorobenzene	92.2	80 - 120		%Rec	1	3/16/2022 9:10:10 PM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 4:35:00 PM
Project: BSB
Lab ID: 2203272-004
Matrix: Groundwater
Client Sample ID: **Gi-030922**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35756		Analyst: MVB
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/16/2022 9:40:18 PM
Chloromethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Vinyl chloride	ND	0.200		µg/L	1	3/16/2022 9:40:18 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 9:40:18 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Methylene chloride	1.02	1.00		µg/L	1	3/16/2022 9:40:18 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 9:40:18 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 9:40:18 PM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Bromoform	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 9:40:18 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 9:40:18 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/9/2022 4:35:00 PM
Project: BSB
Lab ID: 2203272-004
Matrix: Groundwater
Client Sample ID: **Gi-030922**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35756		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 9:40:18 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 9:40:18 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:40:18 PM
Surr: Dibromofluoromethane	97.1	80 - 120		%Rec	1	3/16/2022 9:40:18 PM
Surr: Toluene-d8	98.1	80 - 120		%Rec	1	3/16/2022 9:40:18 PM
Surr: 1-Bromo-4-fluorobenzene	90.4	80 - 120		%Rec	1	3/16/2022 9:40:18 PM

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 9:45:00 AM
Project: BSB
Lab ID: 2203272-005 **Matrix:** Groundwater
Client Sample ID: **HYCP-3i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 4:18:39 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 4:18:39 AM
Vinyl chloride	9,280	200	DQ	µg/L	1000	3/22/2022 3:21:36 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 4:18:39 AM
1,1-Dichloroethene	3.94	0.500		µg/L	1	3/16/2022 4:18:39 AM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 4:18:39 AM
trans-1,2-Dichloroethene	35.1	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1-Dichloroethane	1.38	0.500		µg/L	1	3/16/2022 4:18:39 AM
cis-1,2-Dichloroethene	5,470	100	D	µg/L	200	3/22/2022 12:50:59 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 4:18:39 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Trichloroethene (TCE)	2.08	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 4:18:39 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 4:18:39 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 4:18:39 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 9:45:00 AM
Project: BSB
Lab ID: 2203272-005
Matrix: Groundwater
Client Sample ID: **HYCP-3i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 4:18:39 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 4:18:39 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Surr: Dibromofluoromethane	99.8	80 - 120		%Rec	1	3/16/2022 4:18:39 AM
Surr: Toluene-d8	97.9	80 - 120		%Rec	1	3/16/2022 4:18:39 AM
Surr: 1-Bromo-4-fluorobenzene	97.5	80 - 120		%Rec	1	3/16/2022 4:18:39 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 11:05:00 AM
Project: BSB
Lab ID: 2203272-006
Matrix: Groundwater
Client Sample ID: **HYCP-12i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 4:48:46 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 4:48:46 AM
Vinyl chloride	20,000	2,000	DQ	µg/L	10000	3/22/2022 4:32:28 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 4:48:46 AM
1,1-Dichloroethene	268	50.0	D	µg/L	100	3/22/2022 2:51:30 PM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 4:48:46 AM
trans-1,2-Dichloroethene	1,830	50.0	D	µg/L	100	3/22/2022 2:51:30 PM
1,1-Dichloroethane	0.765	0.500		µg/L	1	3/16/2022 4:48:46 AM
cis-1,2-Dichloroethene	29,600	5,000	D	µg/L	10000	3/22/2022 4:32:28 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 4:48:46 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 4:48:46 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 4:48:46 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 4:48:46 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 11:05:00 AM
Project: BSB
Lab ID: 2203272-006
Matrix: Groundwater
Client Sample ID: **HYCP-12i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 4:48:46 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 4:48:46 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	3/16/2022 4:48:46 AM
Surr: Toluene-d8	98.0	80 - 120		%Rec	1	3/16/2022 4:48:46 AM
Surr: 1-Bromo-4-fluorobenzene	98.8	80 - 120		%Rec	1	3/16/2022 4:48:46 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 11:40:00 AM
Project: BSB
Lab ID: 2203272-007 **Matrix:** Groundwater
Client Sample ID: **HYCP-13i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 5:18:54 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 5:18:54 AM
Vinyl chloride	387	10.0	DQ	µg/L	50	3/22/2022 1:21:08 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 5:18:54 AM
1,1-Dichloroethene	27.9	0.500		µg/L	1	3/16/2022 5:18:54 AM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 5:18:54 AM
trans-1,2-Dichloroethene	54.7	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
cis-1,2-Dichloroethene	1,890	25.0	D	µg/L	50	3/22/2022 1:21:08 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 5:18:54 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Trichloroethene (TCE)	24.9	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 5:18:54 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 5:18:54 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 5:18:54 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 11:40:00 AM
Project: BSB
Lab ID: 2203272-007
Matrix: Groundwater
Client Sample ID: **HYCP-13i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 5:18:54 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 5:18:54 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Surr: Dibromofluoromethane	97.8	80 - 120		%Rec	1	3/16/2022 5:18:54 AM
Surr: Toluene-d8	95.9	80 - 120		%Rec	1	3/16/2022 5:18:54 AM
Surr: 1-Bromo-4-fluorobenzene	96.4	80 - 120		%Rec	1	3/16/2022 5:18:54 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 12:30:00 PM
Project: BSB
Lab ID: 2203272-008 **Matrix:** Groundwater
Client Sample ID: **MW101-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 5:49:01 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 5:49:01 AM
Vinyl chloride	1.68	0.200	Q	µg/L	1	3/22/2022 11:50:46 AM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 5:49:01 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Methylene chloride	1.09	1.00		µg/L	1	3/16/2022 5:49:01 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
cis-1,2-Dichloroethene	0.563	0.500		µg/L	1	3/22/2022 11:50:46 AM
Chloroform	ND	1.00		µg/L	1	3/16/2022 5:49:01 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 5:49:01 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 5:49:01 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 5:49:01 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 12:30:00 PM
Project: BSB
Lab ID: 2203272-008
Matrix: Groundwater
Client Sample ID: **MW101-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 5:49:01 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 5:49:01 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Surr: Dibromofluoromethane	94.8	80 - 120		%Rec	1	3/16/2022 5:49:01 AM
Surr: Toluene-d8	96.1	80 - 120		%Rec	1	3/16/2022 5:49:01 AM
Surr: 1-Bromo-4-fluorobenzene	95.4	80 - 120		%Rec	1	3/16/2022 5:49:01 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 1:25:00 PM
Project: BSB
Lab ID: 2203272-009 **Matrix:** Groundwater
Client Sample ID: **HYCP-2-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 6:19:09 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 6:19:09 AM
Vinyl chloride	1.77	0.200	Q	µg/L	1	3/22/2022 12:20:52 PM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 6:19:09 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Methylene chloride	1.44	1.00		µg/L	1	3/16/2022 6:19:09 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
cis-1,2-Dichloroethene	0.570	0.500		µg/L	1	3/22/2022 12:20:52 PM
Chloroform	ND	1.00		µg/L	1	3/16/2022 6:19:09 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 6:19:09 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 6:19:09 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 6:19:09 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 1:25:00 PM
Project: BSB
Lab ID: 2203272-009
Matrix: Groundwater
Client Sample ID: **HYCP-2-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 6:19:09 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 6:19:09 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Surr: Dibromofluoromethane	93.7	80 - 120		%Rec	1	3/16/2022 6:19:09 AM
Surr: Toluene-d8	96.0	80 - 120		%Rec	1	3/16/2022 6:19:09 AM
Surr: 1-Bromo-4-fluorobenzene	94.3	80 - 120		%Rec	1	3/16/2022 6:19:09 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 2:15:00 PM
Project: BSB
Lab ID: 2203272-010 **Matrix:** Groundwater
Client Sample ID: **HYCP-2i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 6:49:14 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 6:49:14 AM
Vinyl chloride	0.734	0.200	Q	µg/L	1	3/16/2022 6:49:14 AM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 6:49:14 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Methylene chloride	1.07	1.00		µg/L	1	3/16/2022 6:49:14 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
cis-1,2-Dichloroethene	1.57	0.500		µg/L	1	3/16/2022 6:49:14 AM
Chloroform	ND	1.00		µg/L	1	3/16/2022 6:49:14 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 6:49:14 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 6:49:14 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 6:49:14 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 2:15:00 PM
Project: BSB
Lab ID: 2203272-010
Matrix: Groundwater
Client Sample ID: **HYCP-2i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 6:49:14 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 6:49:14 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Surr: Dibromofluoromethane	96.3	80 - 120		%Rec	1	3/16/2022 6:49:14 AM
Surr: Toluene-d8	96.3	80 - 120		%Rec	1	3/16/2022 6:49:14 AM
Surr: 1-Bromo-4-fluorobenzene	94.0	80 - 120		%Rec	1	3/16/2022 6:49:14 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 3:15:00 PM
Project: BSB
Lab ID: 2203272-011
Matrix: Groundwater
Client Sample ID: **Hi-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 7:19:22 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 7:19:22 AM
Vinyl chloride	ND	0.200	Q	µg/L	1	3/16/2022 7:19:22 AM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 7:19:22 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 7:19:22 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
cis-1,2-Dichloroethene	1.08	0.500		µg/L	1	3/16/2022 7:19:22 AM
Chloroform	ND	1.00		µg/L	1	3/16/2022 7:19:22 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 7:19:22 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 7:19:22 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 7:19:22 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 3:15:00 PM
Project: BSB
Lab ID: 2203272-011
Matrix: Groundwater
Client Sample ID: **Hi-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 7:19:22 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 7:19:22 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Surr: Dibromofluoromethane	93.9	80 - 120		%Rec	1	3/16/2022 7:19:22 AM
Surr: Toluene-d8	97.4	80 - 120		%Rec	1	3/16/2022 7:19:22 AM
Surr: 1-Bromo-4-fluorobenzene	92.2	80 - 120		%Rec	1	3/16/2022 7:19:22 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 3:45:00 PM
Project: BSB
Lab ID: 2203272-012 **Matrix:** Groundwater
Client Sample ID: **Hs-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 7:49:30 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 7:49:30 AM
Vinyl chloride	ND	0.200	Q	µg/L	1	3/16/2022 7:49:30 AM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 7:49:30 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 7:49:30 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
cis-1,2-Dichloroethene	0.775	0.500		µg/L	1	3/16/2022 7:49:30 AM
Chloroform	ND	1.00		µg/L	1	3/16/2022 7:49:30 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 7:49:30 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Bromoform	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 7:49:30 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 7:49:30 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 3:45:00 PM
Project: BSB
Lab ID: 2203272-012
Matrix: Groundwater
Client Sample ID: **Hs-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 7:49:30 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 7:49:30 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Surr: Dibromofluoromethane	93.4	80 - 120		%Rec	1	3/16/2022 7:49:30 AM
Surr: Toluene-d8	96.7	80 - 120		%Rec	1	3/16/2022 7:49:30 AM
Surr: 1-Bromo-4-fluorobenzene	93.0	80 - 120		%Rec	1	3/16/2022 7:49:30 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 4:35:00 PM
Project: BSB
Lab ID: 2203272-013 **Matrix:** Groundwater
Client Sample ID: **HYCP-7i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 9:50:03 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 9:50:03 AM
Vinyl chloride	0.548	0.200		µg/L	1	3/16/2022 9:50:03 AM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 9:50:03 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Methylene chloride	1.04	1.00		µg/L	1	3/16/2022 9:50:03 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Chloroform	ND	1.00		µg/L	1	3/16/2022 9:50:03 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 9:50:03 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Bromoform	ND	0.500	Q	µg/L	1	3/16/2022 9:50:03 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 9:50:03 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 9:50:03 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 4:35:00 PM
Project: BSB
Lab ID: 2203272-013
Matrix: Groundwater
Client Sample ID: **HYCP-7i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00	Q	µg/L	1	3/16/2022 9:50:03 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 9:50:03 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Surr: Dibromofluoromethane	91.5	80 - 120		%Rec	1	3/16/2022 9:50:03 AM
Surr: Toluene-d8	95.9	80 - 120		%Rec	1	3/16/2022 9:50:03 AM
Surr: 1-Bromo-4-fluorobenzene	92.6	80 - 120		%Rec	1	3/16/2022 9:50:03 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 5:15:00 PM
Project: BSB
Lab ID: 2203272-014 **Matrix:** Groundwater
Client Sample ID: **HYCP-7s-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 10:20:10 AM
Chloromethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Vinyl chloride	ND	0.200		µg/L	1	3/16/2022 10:20:10 AM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 10:20:10 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 10:20:10 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Chloroform	ND	1.00		µg/L	1	3/16/2022 10:20:10 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 10:20:10 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Bromoform	ND	0.500	Q	µg/L	1	3/16/2022 10:20:10 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 10:20:10 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 10:20:10 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 5:15:00 PM
Project: BSB
Lab ID: 2203272-014
Matrix: Groundwater
Client Sample ID: **HYCP-7s-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00	Q	µg/L	1	3/16/2022 10:20:10 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 10:20:10 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:20:10 AM
Surr: Dibromofluoromethane	92.6	80 - 120		%Rec	1	3/16/2022 10:20:10 AM
Surr: Toluene-d8	94.8	80 - 120		%Rec	1	3/16/2022 10:20:10 AM
Surr: 1-Bromo-4-fluorobenzene	90.6	80 - 120		%Rec	1	3/16/2022 10:20:10 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/8/2022 4:30:00 PM
Project: BSB
Lab ID: 2203272-015 **Matrix:** Groundwater
Client Sample ID: **TB-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/16/2022 10:50:17 AM
Chloromethane	ND	0.500	Q	µg/L	1	3/16/2022 10:50:17 AM
Vinyl chloride	ND	0.200		µg/L	1	3/16/2022 10:50:17 AM
Bromomethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Chloroethane	ND	1.00		µg/L	1	3/16/2022 10:50:17 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Methylene chloride	ND	1.00		µg/L	1	3/16/2022 10:50:17 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Chloroform	ND	1.00		µg/L	1	3/16/2022 10:50:17 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Dibromomethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/16/2022 10:50:17 AM
Chlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Bromoform	ND	0.500	Q	µg/L	1	3/16/2022 10:50:17 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Bromobenzene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/16/2022 10:50:17 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/16/2022 10:50:17 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/8/2022 4:30:00 PM
Project: BSB
Lab ID: 2203272-015
Matrix: Groundwater
Client Sample ID: **TB-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00	Q	µg/L	1	3/16/2022 10:50:17 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 10:50:17 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 10:50:17 AM
Surr: Dibromofluoromethane	92.1	80 - 120		%Rec	1	3/16/2022 10:50:17 AM
Surr: Toluene-d8	96.3	80 - 120		%Rec	1	3/16/2022 10:50:17 AM
Surr: 1-Bromo-4-fluorobenzene	91.0	80 - 120		%Rec	1	3/16/2022 10:50:17 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-35741** SampType: **LCS** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **LCSW** Batch ID: **35741** Analysis Date: **3/15/2022** SeqNo: **1518015**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	12.1	1.25	20.00	0	60.7	80	120				S
Chloromethane	15.1	0.750	20.00	0	75.4	80	120				S
Vinyl chloride	15.5	0.200	20.00	0	77.6	80	120				S
Bromomethane	18.6	1.20	20.00	0	93.0	80	120				
Trichlorofluoromethane (CFC-11)	17.6	0.500	20.00	0	87.8	80	120				
Chloroethane	16.9	1.00	20.00	0	84.7	80	120				
1,1-Dichloroethene	17.9	0.500	20.00	0	89.6	80	120				
Acetone	43.9	6.00	50.00	0	87.7	80	120				
Methylene chloride	18.4	0.750	20.00	0	92.2	80	120				
trans-1,2-Dichloroethene	18.3	0.500	20.00	0	91.5	80	120				
1,1-Dichloroethane	18.2	0.500	20.00	0	91.1	80	120				
cis-1,2-Dichloroethene	18.7	0.500	20.00	0	93.6	80	120				
(MEK) 2-Butanone	44.6	1.50	50.00	0	89.3	80	120				
Chloroform	18.7	0.500	20.00	0	93.7	80	120				
1,1,1-Trichloroethane (TCA)	18.4	0.400	20.00	0	91.8	80	120				
1,1-Dichloropropene	19.4	0.500	20.00	0	96.9	80	120				
Carbon tetrachloride	18.3	0.750	20.00	0	91.6	80	120				
1,2-Dichloroethane (EDC)	19.0	0.400	20.00	0	94.9	80	120				
Trichloroethene (TCE)	18.9	0.500	20.00	0	94.5	80	120				
1,2-Dichloropropane	19.0	0.500	20.00	0	94.8	80	120				
Bromodichloromethane	18.7	0.500	20.00	0	93.5	80	120				
Dibromomethane	19.0	0.500	20.00	0	95.0	80	120				
cis-1,3-Dichloropropene	19.2	0.500	20.00	0	96.0	80	120				
trans-1,3-Dichloropropylene	18.2	0.500	20.00	0	91.1	80	120				
Methyl Isobutyl Ketone (MIBK)	46.1	1.25	50.00	0	92.2	80	120				
1,1,2-Trichloroethane	19.2	0.350	20.00	0	96.0	80	120				
1,3-Dichloropropane	18.9	0.500	20.00	0	94.6	80	120				
Tetrachloroethene (PCE)	19.5	0.400	20.00	0	97.6	80	120				
Dibromochloromethane	18.4	1.00	20.00	0	92.1	80	120				
1,2-Dibromoethane (EDB)	19.2	0.300	20.00	0	95.8	80	120				

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-35741** SampType: **LCS** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **LCSW** Batch ID: **35741** Analysis Date: **3/15/2022** SeqNo: **1518015**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	45.7	1.00	50.00	0	91.3	80	120				
Chlorobenzene	19.8	0.500	20.00	0	99.1	80	120				
1,1,1,2-Tetrachloroethane	20.0	0.300	20.00	0	100	80	120				
Bromoform	18.5	0.500	20.00	0	92.7	80	120				
1,1,2,2-Tetrachloroethane	20.3	0.400	20.00	0	102	80	120				
Bromobenzene	20.0	0.500	20.00	0	100	80	120				
2-Chlorotoluene	19.8	0.500	20.00	0	99.0	80	120				
4-Chlorotoluene	19.8	0.500	20.00	0	98.9	80	120				
1,2,3-Trichloropropane	19.0	0.400	20.00	0	95.0	80	120				
1,2,4-Trichlorobenzene	19.4	0.750	20.00	0	97.1	80	120				
1,3-Dichlorobenzene	20.1	0.500	20.00	0	101	80	120				
1,4-Dichlorobenzene	20.2	0.500	20.00	0	101	80	120				
1,2-Dichlorobenzene	20.1	0.500	20.00	0	100	80	120				
1,2-Dibromo-3-chloropropane	18.4	1.00	20.00	0	91.8	80	120				
Hexachloro-1,3-butadiene	19.8	0.500	20.00	0	98.8	80	120				
1,2,3-Trichlorobenzene	19.6	0.700	20.00	0	97.8	80	120				
Surr: Dibromofluoromethane	25.0		25.00		100	80	120				
Surr: Toluene-d8	24.5		25.00		97.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.6	80	120				

NOTES:
S - Outlying spike recovery observed (low bias) in Dichlorodifluoromethane, Chloromethane, and Vinyl Chloride. Samples will be qualified with a Q.

Sample ID: **MB-35741** SampType: **MBLK** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **MBLKW** Batch ID: **35741** Analysis Date: **3/15/2022** SeqNo: **1518014**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25									Q
Chloromethane	ND	0.750									Q
Vinyl chloride	ND	0.200									Q
Bromomethane	ND	1.20									
Trichlorofluoromethane (CFC-11)	ND	0.500									

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-35741** SampType: **MBLK** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **MBLKW** Batch ID: **35741** Analysis Date: **3/15/2022** SeqNo: **1518014**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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									
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									

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-35741** SampType: **MBLK** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **MBLKW** Batch ID: **35741** Analysis Date: **3/15/2022** SeqNo: **1518014**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	23.4		25.00		93.4	80	120				
Surr: Toluene-d8	24.1		25.00		96.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	23.4		25.00		93.6	80	120				

Sample ID: **2203301-004ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **BATCH** Batch ID: **35741** Analysis Date: **3/16/2022** SeqNo: **1518010**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	Q
Chloromethane	ND	0.750						0		30	Q
Vinyl chloride	ND	0.200						0		30	Q
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
Acetone	ND	6.00						0		30	
Methylene chloride	ND	0.750						0.9275	50.3	30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
1,1-Dichloroethane	ND	0.500						0		30	

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203301-004ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **BATCH** Batch ID: **35741** Analysis Date: **3/16/2022** SeqNo: **1518010**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	0.500						0		30	
(MEK) 2-Butanone	ND	1.50						0		30	
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone	ND	1.00						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	
Bromoform	ND	0.500						0		30	
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	
Bromobenzene	ND	0.500						0		30	
2-Chlorotoluene	ND	0.500						0		30	
4-Chlorotoluene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	
1,2,4-Trichlorobenzene	ND	0.750						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203301-004ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **BATCH** Batch ID: **35741** Analysis Date: **3/16/2022** SeqNo: **1518010**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	24.1		25.00		96.4	80	120		0		
Surr: Toluene-d8	24.1		25.00		96.6	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	23.8		25.00		95.1	80	120		0		

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2203273-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **BATCH** Batch ID: **35741** Analysis Date: **3/16/2022** SeqNo: **1518002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	17.8	1.25	20.00	0	88.9	6.06	158				
Chloromethane	20.1	0.750	20.00	0	100	8.94	177				
Vinyl chloride	20.8	0.200	20.00	0.1094	103	32.8	161				
Bromomethane	23.3	1.20	20.00	0	116	24.1	196				
Trichlorofluoromethane (CFC-11)	23.8	0.500	20.00	0	119	64.9	138				
Chloroethane	21.9	1.00	20.00	0	110	62.2	137				
1,1-Dichloroethene	23.1	0.500	20.00	0	115	76.5	134				
Acetone	91.4	6.00	50.00	31.50	120	56.8	147				
Methylene chloride	22.4	0.750	20.00	0.3212	110	75.7	128				
trans-1,2-Dichloroethene	23.0	0.500	20.00	0	115	80.1	129				
1,1-Dichloroethane	22.6	0.500	20.00	0	113	78.1	131				
cis-1,2-Dichloroethene	23.1	0.500	20.00	0.2212	114	81.5	126				
(MEK) 2-Butanone	55.6	1.50	50.00	5.901	99.4	60.4	134				
Chloroform	23.1	0.500	20.00	0	116	81.2	126				
1,1,1-Trichloroethane (TCA)	23.2	0.400	20.00	0	116	83.7	126				
1,1-Dichloropropene	23.4	0.500	20.00	0	117	79.9	131				

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203273-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **BATCH** Batch ID: **35741** Analysis Date: **3/16/2022** SeqNo: **1518002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	23.4	0.750	20.00	0	117	82.3	127				
1,2-Dichloroethane (EDC)	22.1	0.400	20.00	0	110	76.3	123				
Trichloroethene (TCE)	22.1	0.500	20.00	0	110	78.4	128				
1,2-Dichloropropane	21.7	0.500	20.00	0	109	77	129				
Bromodichloromethane	21.6	0.500	20.00	0	108	80.1	122				
Dibromomethane	21.7	0.500	20.00	0	109	79	123				
cis-1,3-Dichloropropene	19.8	0.500	20.00	0	99.1	76.2	120				
trans-1,3-Dichloropropylene	18.7	0.500	20.00	0	93.6	72.9	122				
Methyl Isobutyl Ketone (MIBK)	57.5	1.25	50.00	0	115	59.9	136				
1,1,2-Trichloroethane	21.4	0.350	20.00	0	107	77.9	124				
1,3-Dichloropropane	21.1	0.500	20.00	0	105	75.6	125				
Tetrachloroethene (PCE)	22.6	0.400	20.00	0	113	85.7	124				
Dibromochloromethane	20.5	1.00	20.00	0	103	75.8	122				
1,2-Dibromoethane (EDB)	21.4	0.300	20.00	0	107	75.5	124				
2-Hexanone	51.1	1.00	50.00	0	102	62.3	131				
Chlorobenzene	22.4	0.500	20.00	0	112	87.7	118				
1,1,1,2-Tetrachloroethane	21.6	0.300	20.00	0	108	81.1	122				
Bromoform	19.0	0.500	20.00	0	95.0	65.6	132				
1,1,2,2-Tetrachloroethane	23.3	0.400	20.00	0	116	71.6	133				
Bromobenzene	22.2	0.500	20.00	0	111	84	120				
2-Chlorotoluene	22.5	0.500	20.00	0	112	84.6	123				
4-Chlorotoluene	22.2	0.500	20.00	0	111	81.1	124				
1,2,3-Trichloropropane	20.1	0.400	20.00	0	100	67.3	125				
1,2,4-Trichlorobenzene	18.5	0.750	20.00	0	92.6	59.1	132				
1,3-Dichlorobenzene	21.2	0.500	20.00	0	106	84.7	121				
1,4-Dichlorobenzene	21.0	0.500	20.00	0	105	84.9	119				
1,2-Dichlorobenzene	20.9	0.500	20.00	0	105	84.9	120				
1,2-Dibromo-3-chloropropane	19.5	1.00	20.00	0	97.5	53.4	138				
Hexachloro-1,3-butadiene	15.7	0.500	20.00	0	78.3	71.1	131				
1,2,3-Trichlorobenzene	18.8	0.700	20.00	0	93.9	39.3	147				

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203273-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/15/2022** RunNo: **74068**
Client ID: **BATCH** Batch ID: **35741** Analysis Date: **3/16/2022** SeqNo: **1518002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	25.9		25.00		103	80	120				
Surr: Toluene-d8	24.8		25.00		99.4	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.0		25.00		100	80	120				

Sample ID: **LCS-35756** SampType: **LCS** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **LCSW** Batch ID: **35756** Analysis Date: **3/16/2022** SeqNo: **1517767**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	23.1	1.25	20.00	0	116	80	120				
Chloromethane	20.5	0.750	20.00	0	102	80	120				
Vinyl chloride	20.2	0.200	20.00	0	101	80	120				
Bromomethane	21.2	1.20	20.00	0	106	80	120				
Trichlorofluoromethane (CFC-11)	21.2	0.500	20.00	0	106	80	120				
Chloroethane	20.5	1.00	20.00	0	102	80	120				
1,1-Dichloroethene	20.4	0.500	20.00	0	102	80	120				
Acetone	45.4	6.00	50.00	0	90.8	80	120				
Methylene chloride	20.0	0.750	20.00	0	100	80	120				
trans-1,2-Dichloroethene	20.2	0.500	20.00	0	101	80	120				
1,1-Dichloroethane	19.6	0.500	20.00	0	98.0	80	120				
cis-1,2-Dichloroethene	20.1	0.500	20.00	0	100	80	120				
(MEK) 2-Butanone	46.2	1.50	50.00	0	92.3	80	120				
Chloroform	20.2	0.500	20.00	0	101	80	120				
1,1,1-Trichloroethane (TCA)	19.7	0.400	20.00	0	98.7	80	120				
1,1-Dichloropropene	20.7	0.500	20.00	0	104	80	120				
Carbon tetrachloride	20.1	0.750	20.00	0	101	80	120				
1,2-Dichloroethane (EDC)	19.7	0.400	20.00	0	98.7	80	120				
Trichloroethene (TCE)	19.8	0.500	20.00	0	99.2	80	120				
1,2-Dichloropropane	19.6	0.500	20.00	0	97.8	80	120				
Bromodichloromethane	19.1	0.500	20.00	0	95.3	80	120				
Dibromomethane	19.6	0.500	20.00	0	98.2	80	120				

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-35756** SampType: **LCS** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **LCSW** Batch ID: **35756** Analysis Date: **3/16/2022** SeqNo: **1517767**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	19.4	0.500	20.00	0	97.2	80	120				
trans-1,3-Dichloropropylene	18.2	0.500	20.00	0	90.8	80	120				
Methyl Isobutyl Ketone (MIBK)	43.6	1.25	50.00	0	87.2	80	120				
1,1,2-Trichloroethane	19.3	0.350	20.00	0	96.6	80	120				
1,3-Dichloropropane	19.2	0.500	20.00	0	96.0	80	120				
Tetrachloroethene (PCE)	20.6	0.400	20.00	0	103	80	120				
Dibromochloromethane	18.2	1.00	20.00	0	91.1	80	120				
1,2-Dibromoethane (EDB)	19.1	0.300	20.00	0	95.4	80	120				
2-Hexanone	43.6	1.00	50.00	0	87.3	80	120				
Chlorobenzene	19.9	0.500	20.00	0	99.6	80	120				
1,1,1,2-Tetrachloroethane	19.3	0.300	20.00	0	96.5	80	120				
Bromoform	17.2	0.500	20.00	0	85.9	80	120				
1,1,2,2-Tetrachloroethane	19.6	0.400	20.00	0	97.8	80	120				
Bromobenzene	20.1	0.500	20.00	0	101	80	120				
2-Chlorotoluene	20.3	0.500	20.00	0	102	80	120				
4-Chlorotoluene	20.4	0.500	20.00	0	102	80	120				
1,2,3-Trichloropropane	18.5	0.400	20.00	0	92.5	80	120				
1,2,4-Trichlorobenzene	18.8	0.750	20.00	0	94.1	80	120				
1,3-Dichlorobenzene	20.2	0.500	20.00	0	101	80	120				
1,4-Dichlorobenzene	20.1	0.500	20.00	0	100	80	120				
1,2-Dichlorobenzene	20.0	0.500	20.00	0	100	80	120				
1,2-Dibromo-3-chloropropane	16.8	1.00	20.00	0	84.2	80	120				
Hexachloro-1,3-butadiene	20.3	0.500	20.00	0	102	80	120				
1,2,3-Trichlorobenzene	18.6	0.700	20.00	0	93.0	80	120				
Surr: Dibromofluoromethane	26.3		25.00		105	80	120				
Surr: Toluene-d8	25.4		25.00		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.2		25.00		101	80	120				

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-35756** SampType: **MBLK** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **MBLKW** Batch ID: **35756** Analysis Date: **3/16/2022** SeqNo: **1517766**

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: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-35756** SampType: **MBLK** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **MBLKW** Batch ID: **35756** Analysis Date: **3/16/2022** SeqNo: **1517766**

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	23.2		25.00		92.7	80	120				
Surr: Toluene-d8	24.1		25.00		96.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	22.8		25.00		91.0	80	120				

Sample ID: **2203335-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **BATCH** Batch ID: **35756** Analysis Date: **3/16/2022** SeqNo: **1517758**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	
Chloromethane	ND	0.750						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	1.00						0		30	

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203335-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **BATCH** Batch ID: **35756** Analysis Date: **3/16/2022** SeqNo: **1517758**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.500						0		30	
Acetone	ND	6.00						0		30	
Methylene chloride	ND	0.750						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
(MEK) 2-Butanone	ND	1.50						0		30	
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone	ND	1.00						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	
Bromoform	ND	0.500						0		30	
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	
Bromobenzene	ND	0.500						0		30	

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203335-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **BATCH** Batch ID: **35756** Analysis Date: **3/16/2022** SeqNo: **1517758**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorotoluene	2.89	0.500						2.860	1.13	30	
4-Chlorotoluene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	
1,2,4-Trichlorobenzene	ND	0.750						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	
1,4-Dichlorobenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	25.6		25.00		102	80	120		0		
Surr: Toluene-d8	25.2		25.00		101	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	24.4		25.00		97.6	80	120		0		

Sample ID: **2203306-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **BATCH** Batch ID: **35756** Analysis Date: **3/17/2022** SeqNo: **1517755**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	11.4	1.25	20.00	0	56.9	6.06	158				
Chloromethane	15.9	0.750	20.00	0	79.3	8.94	177				
Vinyl chloride	15.7	0.200	20.00	0	78.3	32.8	161				
Bromomethane	17.8	1.20	20.00	0	88.8	24.1	196				
Trichlorofluoromethane (CFC-11)	19.4	0.500	20.00	0	97.1	64.9	138				
Chloroethane	18.7	1.00	20.00	0	93.7	62.2	137				
1,1-Dichloroethene	19.7	0.500	20.00	0	98.6	76.5	134				
Acetone	52.0	6.00	50.00	0	104	56.8	147				
Methylene chloride	20.0	0.750	20.00	0	99.9	75.7	128				
trans-1,2-Dichloroethene	20.0	0.500	20.00	0	99.9	80.1	129				
1,1-Dichloroethane	19.6	0.500	20.00	0	97.8	78.1	131				
cis-1,2-Dichloroethene	19.9	0.500	20.00	0	99.7	81.5	126				

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203306-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **BATCH** Batch ID: **35756** Analysis Date: **3/17/2022** SeqNo: **1517755**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
(MEK) 2-Butanone	44.2	1.50	50.00	0	88.3	60.4	134				
Chloroform	20.4	0.500	20.00	0	102	81.2	126				
1,1,1-Trichloroethane (TCA)	19.6	0.400	20.00	0	97.9	83.7	126				
1,1-Dichloropropene	20.4	0.500	20.00	0	102	79.9	131				
Carbon tetrachloride	20.1	0.750	20.00	0	101	82.3	127				
1,2-Dichloroethane (EDC)	20.4	0.400	20.00	0	102	76.3	123				
Trichloroethene (TCE)	19.6	0.500	20.00	0	98.2	78.4	128				
1,2-Dichloropropane	20.1	0.500	20.00	0	101	77	129				
Bromodichloromethane	19.5	0.500	20.00	0	97.3	80.1	122				
Dibromomethane	20.5	0.500	20.00	0	103	79	123				
cis-1,3-Dichloropropene	16.8	0.500	20.00	0	83.9	76.2	120				
trans-1,3-Dichloropropylene	15.7	0.500	20.00	0	78.5	72.9	122				
Methyl Isobutyl Ketone (MIBK)	47.9	1.25	50.00	0	95.7	59.9	136				
1,1,2-Trichloroethane	20.7	0.350	20.00	0	104	77.9	124				
1,3-Dichloropropane	20.4	0.500	20.00	0	102	75.6	125				
Tetrachloroethene (PCE)	20.1	0.400	20.00	0	101	85.7	124				
Dibromochloromethane	19.1	1.00	20.00	0	95.6	75.8	122				
1,2-Dibromoethane (EDB)	20.4	0.300	20.00	0	102	75.5	124				
2-Hexanone	47.6	1.00	50.00	0	95.2	62.3	131				
Chlorobenzene	20.1	0.500	20.00	0	101	87.7	118				
1,1,1,2-Tetrachloroethane	19.8	0.300	20.00	0	99.0	81.1	122				
Bromoform	17.8	0.500	20.00	0	89.0	65.6	132				
1,1,2,2-Tetrachloroethane	22.6	0.400	20.00	0	113	71.6	133				
Bromobenzene	20.1	0.500	20.00	0	101	84	120				
2-Chlorotoluene	19.8	0.500	20.00	0	98.9	84.6	123				
4-Chlorotoluene	19.5	0.500	20.00	0	97.6	81.1	124				
1,2,3-Trichloropropane	17.9	0.400	20.00	0	89.3	67.3	125				
1,2,4-Trichlorobenzene	16.9	0.750	20.00	0	84.6	59.1	132				
1,3-Dichlorobenzene	19.4	0.500	20.00	0	96.8	84.7	121				
1,4-Dichlorobenzene	19.4	0.500	20.00	0	96.9	84.9	119				

Work Order: 2203272
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203306-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/16/2022** RunNo: **74055**
Client ID: **BATCH** Batch ID: **35756** Analysis Date: **3/17/2022** SeqNo: **1517755**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	19.6	0.500	20.00	0	98.1	84.9	120				
1,2-Dibromo-3-chloropropane	17.9	1.00	20.00	0	89.3	53.4	138				
Hexachloro-1,3-butadiene	17.4	0.500	20.00	0	86.9	71.1	131				
1,2,3-Trichlorobenzene	17.8	0.700	20.00	0	88.8	39.3	147				
Surr: Dibromofluoromethane	26.6		25.00		106	80	120				
Surr: Toluene-d8	25.7		25.00		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		100	80	120				

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**2203272**
Logged by:	**Gabrielle Coeuille**	Date Received:	**3/11/2022 8:15:00 AM**

Chain of Custody

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

Log In

3.	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 ☐
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: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	5.2

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

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/10/2022 Page: 1 of:

Project Name: BSB

Project No: 443022-0827001.49.004

Collected by: Ben Hecht

Location: Kent, WA

Report To (PM): Bill Haldeman (BH)

PM Email: BHaldeman@PESTeamNW.com

Laboratory Project No (internal): 2203272

Special Remarks:

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

Client: PES Environmental

Address: On File

City, State, Zip:

Telephone:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624) 8260D	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) I Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	HY-1i-030922	3/9/22	1425	GW	3	X											
2	HY-1s-030922		1505		3	X											
3	6s-030922		1555		3	X											
4	6i-030922		1635		3	X											
5	HYCP-3i-031022	3/10/22	945		3	X											
6	HYCP-12i-031022		1105		3	X											
7	HYCP-13i-031022		1140		3	X											
8	MW101-031022		1230		3	X											
9	HYCP-2-031022		1325		3	X											
10	HYCP-2i-031022		1415		5	X											QA/QC

*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 Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☑ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day _____ (specify)

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)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x [signature]	Benjamin Hecht	3/10/22 @ 1835	x Alex Trejo	Alex Trejo	3/11/22 8:15
Relinquished (Signature) x	Print Name	Date/Time	Received (Signature) x	Print Name	Date/Time AT 3/11/22

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3-10-2022 Page: 2 of: 2

Laboratory Project No (internal): 2203272

Project Name: BSB

Special Remarks:

Client: PES Environmental

Project No: 443022-0827001.49.004

Address: On File

Collected by: Ben Hecht

City, State, Zip:

Location: Kent, WA

Telephone:

Report To (PM): Bill Haldeman

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

Fax:

PM Email: BHaldeman@nwS.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	HVOC (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	Hi-031022	3/10/22	1515	GW	3	X											
2	Hs-031022	↓	1545	↓	3	X											
3	HYCP-7i-031022		1635		3	X											
4	HYCP-7s-031022	↓	1715	↓	3	X											
5	TB-031022	3/8/22	1630	W	1	X											
6																	
7																	
8																	
9																	
10																	

*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 Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☑ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

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)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Benjamin Hecht	3-10-22 @1835	x Alex Trejo	Alex Trejo	3/10/22 8:15
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Bill Haldeman
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: BSB
Work Order Number: 2203372

March 22, 2022

Attention Bill Haldeman:

Fremont Analytical, Inc. received 2 sample(s) on 3/15/2022 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

Date: *03/22/2022*

CLIENT: PES Environmental, Inc.
Project: BSB
Work Order: 2203372

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203372-001	HY-11s-031422	03/14/2022 10:50 AM	03/15/2022 5:32 PM
2203372-002	HY-11i-031422	03/14/2022 11:25 AM	03/15/2022 5:32 PM

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

Case Narrative

WO#: **2203372**
Date: **3/22/2022**

CLIENT: PES Environmental, Inc.
Project: BSB

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

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 10:50:00 AM
Project: BSB
Lab ID: 2203372-001
Matrix: Groundwater
Client Sample ID: **HY-11s-031422**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35785 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/18/2022 11:02:17 PM
Chloromethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Vinyl chloride	ND	0.200		µg/L	1	3/22/2022 11:43:03 AM
Bromomethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Trichlorofluoromethane (CFC-11)	ND	0.500	Q	µg/L	1	3/18/2022 11:02:17 PM
Chloroethane	ND	1.00		µg/L	1	3/18/2022 11:02:17 PM
1,1-Dichloroethene	ND	0.500	Q	µg/L	1	3/18/2022 11:02:17 PM
Methylene chloride	ND	1.00		µg/L	1	3/18/2022 11:02:17 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/22/2022 11:43:03 AM
Chloroform	ND	1.00		µg/L	1	3/18/2022 11:02:17 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Dibromomethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/18/2022 11:02:17 PM
Chlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Bromoform	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Bromobenzene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/18/2022 11:02:17 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/18/2022 11:02:17 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 10:50:00 AM
Project: BSB
Lab ID: 2203372-001
Matrix: Groundwater
Client Sample ID: **HY-11s-031422**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35785		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/18/2022 11:02:17 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/18/2022 11:02:17 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Surr: Dibromofluoromethane	110	80 - 120		%Rec	1	3/18/2022 11:02:17 PM
Surr: Toluene-d8	105	80 - 120		%Rec	1	3/18/2022 11:02:17 PM
Surr: 1-Bromo-4-fluorobenzene	90.9	80 - 120		%Rec	1	3/18/2022 11:02:17 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 11:25:00 AM
Project: BSB
Lab ID: 2203372-002
Matrix: Groundwater
Client Sample ID: **HY-11i-031422**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35785 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/18/2022 11:33:00 PM
Chloromethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Vinyl chloride	ND	0.200		µg/L	1	3/22/2022 12:13:26 PM
Bromomethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.500	Q	µg/L	1	3/18/2022 11:33:00 PM
Chloroethane	ND	1.00		µg/L	1	3/18/2022 11:33:00 PM
1,1-Dichloroethene	ND	0.500	Q	µg/L	1	3/18/2022 11:33:00 PM
Methylene chloride	1.92	1.00		µg/L	1	3/18/2022 11:33:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/22/2022 12:13:26 PM
Chloroform	ND	1.00		µg/L	1	3/18/2022 11:33:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/18/2022 11:33:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Bromoform	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/18/2022 11:33:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/18/2022 11:33:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 11:25:00 AM
Project: BSB
Lab ID: 2203372-002
Matrix: Groundwater
Client Sample ID: **HY-11i-031422**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35785		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/18/2022 11:33:00 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/18/2022 11:33:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Surr: Dibromofluoromethane	110	80 - 120		%Rec	1	3/18/2022 11:33:00 PM
Surr: Toluene-d8	106	80 - 120		%Rec	1	3/18/2022 11:33:00 PM
Surr: 1-Bromo-4-fluorobenzene	87.2	80 - 120		%Rec	1	3/18/2022 11:33:00 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-35785** SampType: **LCS** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **LCSW** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519545**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	30.4	1.25	20.00	0	152	80	120				S
Chloromethane	25.5	0.750	20.00	0	127	80	120				S
Vinyl chloride	25.0	0.200	20.00	0	125	80	120				S
Bromomethane	26.5	1.20	20.00	0	132	80	120				S
Trichlorofluoromethane (CFC-11)	13.9	0.500	20.00	0	69.5	80	120				S
Chloroethane	17.1	1.00	20.00	0	85.3	80	120				
1,1-Dichloroethene	15.5	0.500	20.00	0	77.7	80	120				S
Acetone	43.5	6.00	50.00	0	87.1	80	120				
Methylene chloride	21.4	0.750	20.00	0	107	80	120				
trans-1,2-Dichloroethene	19.0	0.500	20.00	0	94.8	80	120				
1,1-Dichloroethane	19.8	0.500	20.00	0	98.8	80	120				
cis-1,2-Dichloroethene	20.1	0.500	20.00	0	101	80	120				
(MEK) 2-Butanone	59.0	1.50	50.00	0	118	80	120				
Chloroform	21.2	0.500	20.00	0	106	80	120				
1,1,1-Trichloroethane (TCA)	21.2	0.400	20.00	0	106	80	120				
1,1-Dichloropropene	20.7	0.500	20.00	0	104	80	120				
Carbon tetrachloride	21.7	0.750	20.00	0	108	80	120				
1,2-Dichloroethane (EDC)	21.6	0.400	20.00	0	108	80	120				
Trichloroethene (TCE)	21.0	0.500	20.00	0	105	80	120				
1,2-Dichloropropane	21.5	0.500	20.00	0	108	80	120				
Bromodichloromethane	24.7	0.500	20.00	0	124	80	120				S
Dibromomethane	22.9	0.500	20.00	0	115	80	120				
cis-1,3-Dichloropropene	23.5	0.500	20.00	0	118	80	120				
trans-1,3-Dichloropropylene	24.2	0.500	20.00	0	121	80	120				S
Methyl Isobutyl Ketone (MIBK)	106	1.25	50.00	0	213	80	120				S
1,1,2-Trichloroethane	23.6	0.350	20.00	0	118	80	120				
1,3-Dichloropropane	23.0	0.500	20.00	0	115	80	120				
Tetrachloroethene (PCE)	21.3	0.400	20.00	0	106	80	120				
Dibromochloromethane	27.2	1.00	20.00	0	136	80	120				S
1,2-Dibromoethane (EDB)	23.8	0.300	20.00	0	119	80	120				

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-35785** SampType: **LCS** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **LCSW** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519545**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	78.4	1.00	50.00	0	157	80	120				S
Chlorobenzene	19.9	0.500	20.00	0	99.4	80	120				
1,1,1,2-Tetrachloroethane	22.6	0.300	20.00	0	113	80	120				
Bromoform	25.6	0.500	20.00	0	128	80	120				S
1,1,2,2-Tetrachloroethane	21.4	0.400	20.00	0	107	80	120				
Bromobenzene	20.2	0.500	20.00	0	101	80	120				
2-Chlorotoluene	20.1	0.500	20.00	0	101	80	120				
4-Chlorotoluene	19.6	0.500	20.00	0	97.9	80	120				
1,2,3-Trichloropropane	21.1	0.400	20.00	0	106	80	120				
1,2,4-Trichlorobenzene	18.5	0.750	20.00	0	92.3	80	120				
1,3-Dichlorobenzene	20.6	0.500	20.00	0	103	80	120				
1,4-Dichlorobenzene	20.4	0.500	20.00	0	102	80	120				
1,2-Dichlorobenzene	20.1	0.500	20.00	0	100	80	120				
1,2-Dibromo-3-chloropropane	24.1	1.00	20.00	0	121	80	120				S
Hexachloro-1,3-butadiene	18.1	0.500	20.00	0	90.6	80	120				
1,2,3-Trichlorobenzene	18.0	0.700	20.00	0	89.8	80	120				
Surr: Dibromofluoromethane	27.4		25.00		110	80	120				
Surr: Toluene-d8	26.8		25.00		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.4		25.00		105	80	120				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.
S - Outlying spike recovery observed (low bias) in 1,1-Dichloroethane and Trichlorofluoromethane. Samples will be qualified with a Q.

Sample ID: **MB-35785** SampType: **MBLK** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **MBLKW** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519544**

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									

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-35785** SampType: **MBLK** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **MBLKW** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane (CFC-11)	ND	0.500									Q
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									Q
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									
2-Hexanone	ND	1.00									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.300									
Bromoform	ND	0.500									

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-35785** SampType: **MBLK** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **MBLKW** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	27.1		25.00		108	80	120				
Surr: Toluene-d8	26.1		25.00		104	80	120				
Surr: 1-Bromo-4-fluorobenzene	22.7		25.00		90.7	80	120				

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2203371-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **BATCH** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	
Chloromethane	ND	0.750						0		30	
Vinyl chloride	228	0.200						219.6	3.59	30	EQ
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	Q
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	0.900	0.500						0.8854	1.66	30	Q
Acetone	ND	6.00						0		30	
Methylene chloride	ND	0.750						0		30	

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203371-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **BATCH** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	27.8	0.500						26.29	5.43	30	
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	917	0.500						884.0	3.68	30	E
(MEK) 2-Butanone	ND	1.50						0		30	
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Trichloroethene (TCE)	0.906	0.500						0.8884	1.94	30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone	ND	1.00						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	
Bromoform	ND	0.500						0		30	
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	
Bromobenzene	ND	0.500						0		30	
2-Chlorotoluene	ND	0.500						0		30	
4-Chlorotoluene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203371-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **BATCH** Batch ID: **35785** Analysis Date: **3/18/2022** SeqNo: **1519519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.750						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	
1,4-Dichlorobenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	27.4		25.00		110	80	120		0		
Surr: Toluene-d8	25.7		25.00		103	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	22.6		25.00		90.3	80	120		0		

NOTES:
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased (vinyl chloride).
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2203428-003ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **BATCH** Batch ID: **35785** Analysis Date: **3/19/2022** SeqNo: **1521579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	
Chloromethane	ND	0.750						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
Acetone	ND	6.00						0		30	
Methylene chloride	ND	0.750						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	0.971	0.500						1.217	22.5	30	
(MEK) 2-Butanone	ND	1.50						0		30	

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203428-003ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **BATCH** Batch ID: **35785** Analysis Date: **3/19/2022** SeqNo: **1521579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone	ND	1.00						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	
Bromoform	ND	0.500						0		30	
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	
Bromobenzene	ND	0.500						0		30	
2-Chlorotoluene	ND	0.500						0		30	
4-Chlorotoluene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	
1,2,4-Trichlorobenzene	ND	0.750						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	
1,4-Dichlorobenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	

Work Order: 2203372
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203428-003ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/18/2022** RunNo: **74126**
Client ID: **BATCH** Batch ID: **35785** Analysis Date: **3/19/2022** SeqNo: **1521579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	27.2		25.00		109	80	120		0		
Surr: Toluene-d8	26.3		25.00		105	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	22.4		25.00		89.6	80	120		0		

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**2203372**
Logged by:	**Gabrielle Coeuille**	Date Received:	**3/15/2022 5:32:00 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 ☐
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: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	6.0

* 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: 3/15/22 Page: 1 of: 1

Laboratory Project No (internal): 2203372

Special Remarks: Note different project number

Project Name: BSB

Project No: 827.001.49.004

Client: PES Environmental

Address: 2101 4th Ave #1310

City, State, Zip: Seattle, WA 98121

Telephone: (206) 529-3980

Fax: (206) 529-3985

Collected by: H. Cohen

Location: & Kent WA

Report To (PM): Bill Haldeman

PM Email: Bill.Haldeman@NV5.com

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

	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 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	HVOCs (8260B)				Comments
1	HY-11s-031422	3/14/22	1050	GW	3														X				
2	HY-11i-031422	3/14/22	1125	GW	3														X				
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

*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 Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day _____ (specify)

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)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Jennifer Cohen	Hannah Cohen	3/15/22 1655	x Elisabeth Savary	Elisabeth Savary	3/15/22 17:32
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

MEMORANDUM

TO: Project File **DATE:** April 6 and 14, 2022

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: BSB Property, Kent WA – Shallow Aquifer Cleanup Action

PROJECT #: 443021-0827001.47.005

TASK: EIM Data Validation Level EPA2A for March 2022 - Groundwater Samples

LAB: Fremont Work Order Numbers 2203272 and 2203372

Sixteen (16) groundwater samples (including one field duplicate) and one (1) trip blank were collected March 9-10 and 14, 2022 as part of a bi-annual groundwater sampling event at the BSB Diversified Facility in Kent, Washington. The samples were analyzed for halogenated volatile organic compounds (VOCs) using USEPA Method 8260D. Laboratory analyses were conducted by Fremont Analytical (Fremont) of Seattle, Washington. The quality assurance review of the sample data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data along with Fremont control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested with the following discussion:

- Work Order 2203372: PES noted during review that samples HY**CP**-12i-031022 and HY**CP**-13i-031022 should be respectively identified as samples HY-12i-031022 and HY-13i-031022. Per PES's approval, the two sample identifications in the laboratory report were hand-corrected, initialed, and dated on April 14, 2022.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice delivered to the analytical laboratory. The laboratory reported that the coolers were received at cooler temperatures were received within the recommended temperature preservation of 6°C. The laboratory reported that the samples were received in good condition with cooling materials. No data were qualified based upon the sample collection and preservation information.

Holding Times

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria were met.

Initial and Continuing Calibration

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. These data were not provided nor requested for this project however Fremont indicated within the laboratory report that continuing calibration criteria did not meet acceptance criteria for the following:

- Work Orders 2203272 and 2203372 - Analytical Batches 35741 and 35785: CCV criteria are below acceptance criteria for several compounds and Fremont qualified associated results (Q). **Associated groundwater sample results for these compounds are estimated (J-/UJ) because CCV acceptance criteria are not met.**

Method Blank Results

Laboratory method blank is included with the analytical batch per method requirement. The target analytes are not detected in the method blank at or above the reporting limits (RLs). No qualifications of the data are made due to the results of the method blank analysis.

Trip Blank Results

One trip blank (TB-031022) was collected and analyzed. The target analytes are not detected in the trip blank at or above the RLs. No qualifications of the data are made due to the results of the trip blank analysis.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate sample pair is as follows:

- Work Order 2203272: Samples HYCP-2-031022 and MW-101-031022

Field duplicates were submitted and analyzed with the sample group. VOC target analyte results are comparable and within 30 relative percent difference (RPD) or (>1XRL for detections <5X RL).

Laboratory Duplicate Analyses

Laboratory duplicate samples were performed on non-client samples within the analytical batches. The primary/duplicate RPDs were within the laboratory control limit of 30% or (>1XRL for detections <5X RL). Duplicate data are acceptable.

Surrogate Recoveries

The surrogate recovery results for the samples, duplicate, laboratory control samples, matrix spike samples, trip blank, and the method blank are within the laboratory surrogate control limits.

Laboratory Control Samples

Laboratory control sample (LCS) was analyzed by USEPA Method 8260D. The LCS %R's and for the target compounds are within the laboratory control criteria for waters with the following exception:

- Work Order 2203272 - Analytical Batch 35741: CFC-12, chloromethane, and vinyl chloride recoveries are below criteria. No action is needed since these compounds are already qualified due to a low CCV.

- Work Order 2203372 - Analytical Batch 35785: LCS recoveries for multiple targets are above criteria and laboratory qualified (Q). Associated detections are estimated and qualified (J) and no action is taken for non-detects. In cases where the LCS recovery is below criteria associated results are laboratory qualified (Q). Low LCS recoveries for trichlorofluoromethane (CFC-11) and 1,1-dichloroethane and target compounds are already qualified due to low CCV.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were performed on non-client samples within the analytical batches. Refer to duplicate results for precision data. MS % Rs are acceptable.

Quantitation Limits

Results of the VOC analyses were reported based on laboratory RLs for all compounds. Selected samples were diluted due to elevated concentrations of various target analytes. In these cases, the RLs are raised. The RLs used for this sample group were acceptable for the project.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- An electronic data deliverable (EDD) for this SDG is provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy laboratory report however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020)

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

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Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 9:45:00 AM
Project: BSB
Lab ID: 2203272-005
Matrix: Groundwater
Client Sample ID: **HYCP-3i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 4:18:39 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 4:18:39 AM
Vinyl chloride	9,280	J-	200	DQ	µg/L	1000	3/22/2022 3:21:36 PM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 4:18:39 AM
1,1-Dichloroethene	3.94		0.500		µg/L	1	3/16/2022 4:18:39 AM
Methylene chloride	ND		1.00		µg/L	1	3/16/2022 4:18:39 AM
trans-1,2-Dichloroethene	35.1		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1-Dichloroethane	1.38		0.500		µg/L	1	3/16/2022 4:18:39 AM
cis-1,2-Dichloroethene	5,470		100	D	µg/L	200	3/22/2022 12:50:59 PM
Chloroform	ND		1.00		µg/L	1	3/16/2022 4:18:39 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Trichloroethene (TCE)	2.08		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 4:18:39 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 4:18:39 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 4:18:39 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:18:39 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 9:45:00 AM
Project: BSB
Lab ID: 2203272-005
Matrix: Groundwater
Client Sample ID: **HYCP-3i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 4:18:39 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 4:18:39 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:18:39 AM
Surr: Dibromofluoromethane	99.8	80 - 120		%Rec	1	3/16/2022 4:18:39 AM
Surr: Toluene-d8	97.9	80 - 120		%Rec	1	3/16/2022 4:18:39 AM
Surr: 1-Bromo-4-fluorobenzene	97.5	80 - 120		%Rec	1	3/16/2022 4:18:39 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 11:05:00 AM
Project: BSB
Lab ID: 2203272-006
Matrix: Groundwater
Client Sample ID: HY~~CP~~-12i-031022

JC 4/14/2022

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 4:48:46 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 4:48:46 AM
Vinyl chloride	20,000	J-	2,000	DQ	µg/L	10000	3/22/2022 4:32:28 PM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 4:48:46 AM
1,1-Dichloroethene	268		50.0	D	µg/L	100	3/22/2022 2:51:30 PM
Methylene chloride	ND		1.00		µg/L	1	3/16/2022 4:48:46 AM
trans-1,2-Dichloroethene	1,830		50.0	D	µg/L	100	3/22/2022 2:51:30 PM
1,1-Dichloroethane	0.765		0.500		µg/L	1	3/16/2022 4:48:46 AM
cis-1,2-Dichloroethene	29,600		5,000	D	µg/L	10000	3/22/2022 4:32:28 PM
Chloroform	ND		1.00		µg/L	1	3/16/2022 4:48:46 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 4:48:46 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 4:48:46 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 4:48:46 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 4:48:46 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 11:05:00 AM
Project: BSB
Lab ID: 2203272-006 JC 4/14/2022 **Matrix:** Groundwater
Client Sample ID: HY~~CP~~-12i-031022

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 4:48:46 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 4:48:46 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 4:48:46 AM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	3/16/2022 4:48:46 AM
Surr: Toluene-d8	98.0	80 - 120		%Rec	1	3/16/2022 4:48:46 AM
Surr: 1-Bromo-4-fluorobenzene	98.8	80 - 120		%Rec	1	3/16/2022 4:48:46 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 11:40:00 AM
Project: BSB
Lab ID: 2203272-007
JC 4/14/2022
Matrix: Groundwater
Client Sample ID: HY~~CP~~-13i-031022

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 5:18:54 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 5:18:54 AM
Vinyl chloride	387	J-	10.0	DQ	µg/L	50	3/22/2022 1:21:08 PM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 5:18:54 AM
1,1-Dichloroethene	27.9		0.500		µg/L	1	3/16/2022 5:18:54 AM
Methylene chloride	ND		1.00		µg/L	1	3/16/2022 5:18:54 AM
trans-1,2-Dichloroethene	54.7		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
cis-1,2-Dichloroethene	1,890		25.0	D	µg/L	50	3/22/2022 1:21:08 PM
Chloroform	ND		1.00		µg/L	1	3/16/2022 5:18:54 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Trichloroethene (TCE)	24.9		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 5:18:54 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 5:18:54 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 5:18:54 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:18:54 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 11:40:00 AM
Project: BSB
Lab ID: 2203272-007
JC 4/14/2022
Matrix: Groundwater
Client Sample ID: HYCP-13i-031022

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 5:18:54 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 5:18:54 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:18:54 AM
Surr: Dibromofluoromethane	97.8	80 - 120		%Rec	1	3/16/2022 5:18:54 AM
Surr: Toluene-d8	95.9	80 - 120		%Rec	1	3/16/2022 5:18:54 AM
Surr: 1-Bromo-4-fluorobenzene	96.4	80 - 120		%Rec	1	3/16/2022 5:18:54 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 12:30:00 PM
Project: BSB
Lab ID: 2203272-008
Matrix: Groundwater
Client Sample ID: **MW101-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 5:49:01 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 5:49:01 AM
Vinyl chloride	1.68	J-	0.200	Q	µg/L	1	3/22/2022 11:50:46 AM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 5:49:01 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Methylene chloride	1.09		1.00		µg/L	1	3/16/2022 5:49:01 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
cis-1,2-Dichloroethene	0.563		0.500		µg/L	1	3/22/2022 11:50:46 AM
Chloroform	ND		1.00		µg/L	1	3/16/2022 5:49:01 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 5:49:01 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 5:49:01 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 5:49:01 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 5:49:01 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 12:30:00 PM
Project: BSB
Lab ID: 2203272-008
Matrix: Groundwater
Client Sample ID: **MW101-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 5:49:01 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 5:49:01 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 5:49:01 AM
Surr: Dibromofluoromethane	94.8	80 - 120		%Rec	1	3/16/2022 5:49:01 AM
Surr: Toluene-d8	96.1	80 - 120		%Rec	1	3/16/2022 5:49:01 AM
Surr: 1-Bromo-4-fluorobenzene	95.4	80 - 120		%Rec	1	3/16/2022 5:49:01 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 1:25:00 PM
Project: BSB
Lab ID: 2203272-009
Matrix: Groundwater
Client Sample ID: **HYCP-2-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 6:19:09 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 6:19:09 AM
Vinyl chloride	1.77	J-	0.200	Q	µg/L	1	3/22/2022 12:20:52 PM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 6:19:09 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Methylene chloride	1.44		1.00		µg/L	1	3/16/2022 6:19:09 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
cis-1,2-Dichloroethene	0.570		0.500		µg/L	1	3/22/2022 12:20:52 PM
Chloroform	ND		1.00		µg/L	1	3/16/2022 6:19:09 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 6:19:09 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 6:19:09 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 6:19:09 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:19:09 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 1:25:00 PM
Project: BSB
Lab ID: 2203272-009
Matrix: Groundwater
Client Sample ID: **HYCP-2-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 6:19:09 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 6:19:09 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:19:09 AM
Surr: Dibromofluoromethane	93.7	80 - 120		%Rec	1	3/16/2022 6:19:09 AM
Surr: Toluene-d8	96.0	80 - 120		%Rec	1	3/16/2022 6:19:09 AM
Surr: 1-Bromo-4-fluorobenzene	94.3	80 - 120		%Rec	1	3/16/2022 6:19:09 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 2:15:00 PM
Project: BSB
Lab ID: 2203272-010
Matrix: Groundwater
Client Sample ID: **HYCP-2i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 6:49:14 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 6:49:14 AM
Vinyl chloride	0.734	J-	0.200	Q	µg/L	1	3/16/2022 6:49:14 AM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 6:49:14 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Methylene chloride	1.07		1.00		µg/L	1	3/16/2022 6:49:14 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
cis-1,2-Dichloroethene	1.57		0.500		µg/L	1	3/16/2022 6:49:14 AM
Chloroform	ND		1.00		µg/L	1	3/16/2022 6:49:14 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 6:49:14 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 6:49:14 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 6:49:14 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 6:49:14 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 2:15:00 PM
Project: BSB
Lab ID: 2203272-010
Matrix: Groundwater
Client Sample ID: **HYCP-2i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 6:49:14 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 6:49:14 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 6:49:14 AM
Surr: Dibromofluoromethane	96.3	80 - 120		%Rec	1	3/16/2022 6:49:14 AM
Surr: Toluene-d8	96.3	80 - 120		%Rec	1	3/16/2022 6:49:14 AM
Surr: 1-Bromo-4-fluorobenzene	94.0	80 - 120		%Rec	1	3/16/2022 6:49:14 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 3:15:00 PM
Project: BSB
Lab ID: 2203272-011
Matrix: Groundwater
Client Sample ID: **Hi-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 7:19:22 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 7:19:22 AM
Vinyl chloride	ND	UJ	0.200	Q	µg/L	1	3/16/2022 7:19:22 AM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 7:19:22 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Methylene chloride	ND		1.00		µg/L	1	3/16/2022 7:19:22 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
cis-1,2-Dichloroethene	1.08		0.500		µg/L	1	3/16/2022 7:19:22 AM
Chloroform	ND		1.00		µg/L	1	3/16/2022 7:19:22 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 7:19:22 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 7:19:22 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 7:19:22 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:19:22 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 3:15:00 PM
Project: BSB
Lab ID: 2203272-011
Matrix: Groundwater
Client Sample ID: **Hi-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 7:19:22 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 7:19:22 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:19:22 AM
Surr: Dibromofluoromethane	93.9	80 - 120		%Rec	1	3/16/2022 7:19:22 AM
Surr: Toluene-d8	97.4	80 - 120		%Rec	1	3/16/2022 7:19:22 AM
Surr: 1-Bromo-4-fluorobenzene	92.2	80 - 120		%Rec	1	3/16/2022 7:19:22 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 3:45:00 PM
Project: BSB
Lab ID: 2203272-012
Matrix: Groundwater
Client Sample ID: **Hs-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 7:49:30 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 7:49:30 AM
Vinyl chloride	ND	UJ	0.200	Q	µg/L	1	3/16/2022 7:49:30 AM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 7:49:30 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Methylene chloride	ND		1.00		µg/L	1	3/16/2022 7:49:30 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
cis-1,2-Dichloroethene	0.775		0.500		µg/L	1	3/16/2022 7:49:30 AM
Chloroform	ND		1.00		µg/L	1	3/16/2022 7:49:30 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 7:49:30 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Bromoform	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 7:49:30 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 7:49:30 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 7:49:30 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 3:45:00 PM
Project: BSB
Lab ID: 2203272-012
Matrix: Groundwater
Client Sample ID: **Hs-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/16/2022 7:49:30 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 7:49:30 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 7:49:30 AM
Surr: Dibromofluoromethane	93.4	80 - 120		%Rec	1	3/16/2022 7:49:30 AM
Surr: Toluene-d8	96.7	80 - 120		%Rec	1	3/16/2022 7:49:30 AM
Surr: 1-Bromo-4-fluorobenzene	93.0	80 - 120		%Rec	1	3/16/2022 7:49:30 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Client: PES Environmental, Inc. **Collection Date:** 3/10/2022 4:35:00 PM
Project: BSB
Lab ID: 2203272-013 **Matrix:** Groundwater
Client Sample ID: **HYCP-7i-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 9:50:03 AM
Chloromethane	ND	UJ	0.500	Q	µg/L	1	3/16/2022 9:50:03 AM
Vinyl chloride	0.548		0.200		µg/L	1	3/16/2022 9:50:03 AM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 9:50:03 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Methylene chloride	1.04		1.00		µg/L	1	3/16/2022 9:50:03 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Chloroform	ND		1.00		µg/L	1	3/16/2022 9:50:03 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 9:50:03 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Bromoform	ND	UJ	0.500	Q	µg/L	1	3/16/2022 9:50:03 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 9:50:03 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 9:50:03 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 9:50:03 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 4:35:00 PM
Project: BSB
Lab ID: 2203272-013
Matrix: Groundwater
Client Sample ID: **HYCP-7i-031022**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	UJ 1.00	Q	µg/L	1	3/16/2022 9:50:03 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/16/2022 9:50:03 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/16/2022 9:50:03 AM
Surr: Dibromofluoromethane	91.5	80 - 120		%Rec	1	3/16/2022 9:50:03 AM
Surr: Toluene-d8	95.9	80 - 120		%Rec	1	3/16/2022 9:50:03 AM
Surr: 1-Bromo-4-fluorobenzene	92.6	80 - 120		%Rec	1	3/16/2022 9:50:03 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 5:15:00 PM
Project: BSB
Lab ID: 2203272-014
Matrix: Groundwater
Client Sample ID: **HYCP-7s-031022**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35741 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/16/2022 10:20:10 AM
Chloromethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Vinyl chloride	ND		0.200		µg/L	1	3/16/2022 10:20:10 AM
Bromomethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Chloroethane	ND		1.00		µg/L	1	3/16/2022 10:20:10 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Methylene chloride	ND		1.00		µg/L	1	3/16/2022 10:20:10 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Chloroform	ND		1.00		µg/L	1	3/16/2022 10:20:10 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Carbon tetrachloride	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Dibromomethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/16/2022 10:20:10 AM
Chlorobenzene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Bromoform	ND	UJ	0.500	Q	µg/L	1	3/16/2022 10:20:10 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Bromobenzene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/16/2022 10:20:10 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/16/2022 10:20:10 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM

Analytical Report

Work Order: **2203272**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/10/2022 5:15:00 PM
Project: BSB
Lab ID: 2203272-014
Matrix: Groundwater
Client Sample ID: **HYCP-7s-031022**

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 35741		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	UJ	1.00	Q	µg/L	1	3/16/2022 10:20:10 AM
Hexachloro-1,3-butadiene	ND		2.00		µg/L	1	3/16/2022 10:20:10 AM
1,2,3-Trichlorobenzene	ND		0.500		µg/L	1	3/16/2022 10:20:10 AM
Surr: Dibromofluoromethane	92.6		80 - 120		%Rec	1	3/16/2022 10:20:10 AM
Surr: Toluene-d8	94.8		80 - 120		%Rec	1	3/16/2022 10:20:10 AM
Surr: 1-Bromo-4-fluorobenzene	90.6		80 - 120		%Rec	1	3/16/2022 10:20:10 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 10:50:00 AM
Project: BSB
Lab ID: 2203372-001
Matrix: Groundwater
Client Sample ID: **HY-11s-031422**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35785 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND		1.00		µg/L	1	3/18/2022 11:02:17 PM
Chloromethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Vinyl chloride	ND		0.200		µg/L	1	3/22/2022 11:43:03 AM
Bromomethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Trichlorofluoromethane (CFC-11)	ND	UJ	0.500	Q	µg/L	1	3/18/2022 11:02:17 PM
Chloroethane	ND		1.00		µg/L	1	3/18/2022 11:02:17 PM
1,1-Dichloroethene	ND	UJ	0.500	Q	µg/L	1	3/18/2022 11:02:17 PM
Methylene chloride	ND		1.00		µg/L	1	3/18/2022 11:02:17 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/22/2022 11:43:03 AM
Chloroform	ND		1.00		µg/L	1	3/18/2022 11:02:17 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Carbon tetrachloride	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Dibromomethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/18/2022 11:02:17 PM
Chlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Bromoform	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
Bromobenzene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/18/2022 11:02:17 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/18/2022 11:02:17 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:02:17 PM

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 10:50:00 AM
Project: BSB
Lab ID: 2203372-001
Matrix: Groundwater
Client Sample ID: **HY-11s-031422**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35785		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/18/2022 11:02:17 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/18/2022 11:02:17 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:02:17 PM
Surr: Dibromofluoromethane	110	80 - 120		%Rec	1	3/18/2022 11:02:17 PM
Surr: Toluene-d8	105	80 - 120		%Rec	1	3/18/2022 11:02:17 PM
Surr: 1-Bromo-4-fluorobenzene	90.9	80 - 120		%Rec	1	3/18/2022 11:02:17 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 11:25:00 AM
Project: BSB
Lab ID: 2203372-002
Matrix: Groundwater
Client Sample ID: **HY-11i-031422**

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35785 Analyst: MVB

Analyses	Result		RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND		1.00		µg/L	1	3/18/2022 11:33:00 PM
Chloromethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Vinyl chloride	ND		0.200		µg/L	1	3/22/2022 12:13:26 PM
Bromomethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Trichlorofluoromethane (CFC-11)	ND	UJ	0.500	Q	µg/L	1	3/18/2022 11:33:00 PM
Chloroethane	ND		1.00		µg/L	1	3/18/2022 11:33:00 PM
1,1-Dichloroethene	ND	UJ	0.500	Q	µg/L	1	3/18/2022 11:33:00 PM
Methylene chloride	1.92		1.00		µg/L	1	3/18/2022 11:33:00 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/22/2022 12:13:26 PM
Chloroform	ND		1.00		µg/L	1	3/18/2022 11:33:00 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Carbon tetrachloride	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Dibromomethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/18/2022 11:33:00 PM
Chlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Bromoform	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
Bromobenzene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/18/2022 11:33:00 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/18/2022 11:33:00 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/18/2022 11:33:00 PM

Analytical Report

Work Order: **2203372**
Date Reported: **3/22/2022**

Client: PES Environmental, Inc.
Collection Date: 3/14/2022 11:25:00 AM
Project: BSB
Lab ID: 2203372-002
Matrix: Groundwater
Client Sample ID: **HY-11i-031422**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35785		Analyst: MVB
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/18/2022 11:33:00 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/18/2022 11:33:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/18/2022 11:33:00 PM
Surr: Dibromofluoromethane	110	80 - 120		%Rec	1	3/18/2022 11:33:00 PM
Surr: Toluene-d8	106	80 - 120		%Rec	1	3/18/2022 11:33:00 PM
Surr: 1-Bromo-4-fluorobenzene	87.2	80 - 120		%Rec	1	3/18/2022 11:33:00 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.