



April 15, 2020

827.001.45

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

Attention: Mr. Hideo Fujita

**CLEANUP PROGRESS REPORT, FIRST QUARTER 2020
BSB PROPERTY, KENT, WASHINGTON
CONSENT DECREE No. 11-2-27288-5**

Dear Mr. Fujita:

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

This cleanup progress report, which is being submitted consistent with Section XI of the CD, covers the period of January 1 through March 31, 2020. 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 2020, BSB conducted the following work:

- Continued startup pumping, monitoring, and evaluation, pumping water from the vault through the air stripper treatment system to the sewer throughout the quarter. The system was pumped at an average rate of 1.81 gallons per minute (gpm) in January, 2.24 gpm in February, and 1.89 gpm in March, for an average pumping rate of 1.97 gpm for the quarter. A total of 258,790 gallons of water was discharged to the sewer during the quarter;
- Conducted periodic monitoring and maintenance of the pumping and treatment systems;

- Monitored groundwater levels in all piezometers and monitoring wells consistent with the Compliance Monitoring Plan¹ (as modified by the frequency reduction approved by Ecology²) on March 2;
- Collected discharge monitoring samples consistent with BSB's King County Industrial Waste (KCIW) permit on January 7 and submitted the samples to Fremont Analytical in Seattle for halogenated volatile organic compound (HVOC) analysis; and
- Collected groundwater samples consistent with the Compliance Monitoring Plan between February 26 and March 3 and submitted the samples to Fremont Analytical in Seattle for 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 February and 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 2020.

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.

Mr. Hideo Fujita

April 15, 2020

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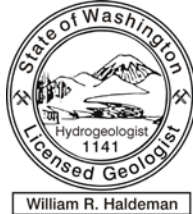
PES Environmental, Inc.

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 – February-March 2020 Analytical Laboratory Reports

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

Table 1

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

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

Table 1

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

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

Table 1

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

Month	Average Groundwater Elevation (feet)						Groundwater Extraction		SeaTac Airport Precipitation (inches)		
	Shallow Wells			Intermediate Wells			Inside Vault			Monthly Totals (gallons)	Monthly Average Rate (gpm)
	Inside P-1	Outside P-3	Δ H	Inside P-2	Outside P-4	Δ H	Cell 6 P-5	Cell 1 P-6			
July 2019	20.24	21.17	0.93	21.38	20.78	-0.60	18.86	18.89	63,230	1.42	1.15
August 2019	19.58	20.71	1.13	20.75	20.46	-0.29	18.82	18.20	55,797	1.25	1.20
September 2019	19.46	21.66	2.19	20.60	20.90	0.30	18.82	18.07	53,049	1.23	3.32
October 2019	19.54	21.94	2.40	20.63	21.20	0.57	18.85	18.02	58,116	1.30	3.67
November 2019	19.58	21.92	2.34	20.76	21.32	0.55	18.89	18.09	60,461	1.40	1.71
December 2019	19.80	22.59	2.79	20.99	21.82	0.83	18.98	18.31	64,675	1.45	7.96
2019	20.20	22.11	1.91	21.37	21.51	0.14	18.93	18.73	797,736	1.52	33.88
January 2020	20.46	23.55	3.10	21.67	22.59	0.92	19.10	18.56	80,888	1.81	9.23
February 2020	20.65	23.44	2.79	22.06	22.71	0.65	19.21	18.52	93,430	2.24	4.05
March 2020	20.39	23.01	2.62	21.81	22.20	0.39	19.21	18.44	84,472	1.89	3.17
2020	20.50	23.33	2.84	21.85	22.50	0.65	19.17	18.51	258,791	1.97	16.46

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

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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	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	6	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	6	-	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	6	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	6	-	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	6	-	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	6	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	6	-	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	6	-	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	6	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	6	-	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	6	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	6	-	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	6	-	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	6	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	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	6	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	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	6	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	6	-	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	6	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	1 & 6	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	1 & 6	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	6	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	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	6	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	1	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	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	1	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	-	-
10/11/13	1.0	1	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	-	-

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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
11/8/13	1.0	1	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	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	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	-	-
5/6/16	1.94	1	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	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	-	-

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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
7/7/16	1.47	1	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	1	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	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	1	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	1	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	1	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	1	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	1	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	1	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	1	3.27	-	-	-	22.92	23.76	0.84	-	-	-	-	-	-	-	-	-	-	-
5/4/17	3.33	1	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	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	1	0.00	19.56	21.21	1.65	20.78	21.19	0.41	-	-	-	-	-	-	-	-	-	-	-
9/25/17	1.05	1	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	1	4.80	19.37	20.49	1.12	20.17	20.31	0.14	-	-	-	-	-	-	-	-	-	-	-
11/6/17	1.04	1	8.63	20.14	22.23	2.09	NM	21.87	-	-	-	-	-	-	-	-	-	-	-	-
12/14/17	1.70	1	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	1	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	1	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	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	1	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	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	1	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	1	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	1	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	2.20	1	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	-	-
2020 Shallow Averages				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	-	-
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	-

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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
3/13/12	-	-	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	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	6	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	6	-	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	6	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	6	-	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	6	-	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	6	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	6	-	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	6	-	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	6	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	6	-	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	6	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	6	-	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	6	-	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	6	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	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	6	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	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	6	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	6	-	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	6	1.58	24.28	21.83	-2.45	24.63	22.30	-2.33	24.71	23.82	-0.89	24.70	25.04	0.34	24.55	23.35	-1.20	24.60	-
3/1/13	3.0	1 & 6	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	1 & 6	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	6	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	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	6	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	1	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	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	1	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	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	1	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	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	-

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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
1/13/14	1.0	1	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	1	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	1	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	1	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	1	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	1	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	1	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	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	0.83	19.80	19.94	0.14	20.08	20.28	0.20	20.14	20.94	0.80	20.10	21.88	1.78	20.00	21.23	1.23	20.11	-
10/16/15	0.92	1	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	1	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	1	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	1	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	1	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	1	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	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	1	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	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	1	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	1	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	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	-

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

Date	Pump Rate (gpm)	Cell Pumped	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
10/14/16	1.31	1	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	1	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	1	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	1	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	1	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	1	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	1	3.27	-	-	-	19.98	23.38	3.40	-	-	-	-	-	-	-	-	-	-	-
5/4/17	3.33	1	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	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	1	0.00	20.91	20.92	0.01	21.22	21.33	0.11	-	-	-	-	-	-	-	-	-	-	-
9/25/17	1.05	1	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	1	4.80	20.23	20.07	-0.16	20.49	20.39	-0.10	-	-	-	-	-	-	-	-	-	-	-
11/6/17	1.04	1	8.63	20.55	21.06	0.51	20.81	21.40	0.59	-	-	-	-	-	-	-	-	-	-	-
12/14/17	1.70	1	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	1	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	1	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	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	1	6.08	20.34	21.23	0.89	20.94	NM	-	NM	22.33	-	21.00	23.80	2.80	20.56	22.61	2.05	20.67	-
2018 Intermediate Averages				21.00	21.02	0.01	20.92	21.35	0.22	22.43	22.13	0.33	21.46	23.27	1.82	21.20	22.25	1.06	21.35	-
3/18/19	2.50	1	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	1	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	1	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	1	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	2.20	1	3.17	21.51	22.09	0.58	21.85	22.57	0.72	21.89	23.79	1.90	20.52	24.98	4.46	21.71	23.28	1.57	21.86	-
2020 Intermediate Averages				21.51	22.09	0.58	21.85	22.57	0.72	21.89	23.79	1.90	20.52	24.98	4.46	21.71	23.28	1.57	21.86	-
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

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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
5/4/12	-	-	2.05	-	23.73	1.90	-	23.91	1.46	-	24.24	0.36	-	24.87	-0.38	23.91	-	0.36	23.86	-0.06
5/7/12	-	-	-	-	23.71	1.92	-	23.86	1.55	-	24.27	0.45	-	24.83	-0.22	23.92	-	0.52	23.90	0.09
5/10/12	-	-	-	-	22.58	1.04	-	23.70	1.65	-	24.09	0.51	-	24.75	-0.06	23.73	-	0.74	23.72	0.29
6/11/12	-	-	2.96	-	23.44	1.93	-	23.62	1.67	-	23.98	0.61	-	24.57	0.03	23.66	-	1.95	23.65	1.57
6/25/12	-	-	-	-	23.36	1.94	-	23.53	1.63	-	23.90	0.69	-	23.49	-0.94	23.56	-	2.01	23.55	1.68
7/3/12	-	-	1.04	-	23.16	2.09	-	23.34	1.78	-	23.73	0.85	-	24.25	0.20	23.37	-	2.16	23.37	1.82
7/18/12	-	-	-	-	22.91	2.25	-	23.09	1.96	-	23.47	1.08	-	23.95	0.47	23.13	-	2.26	23.12	1.93
8/9/12	-	-	0.00	-	22.59	2.28	-	22.75	2.00	-	23.04	1.07	-	23.62	0.63	22.74	-	2.23	22.72	1.91
9/19/12	-	-	0.03	-	21.93	2.22	-	22.05	1.97	-	22.37	1.31	-	22.78	0.76	22.10	-	1.81	22.09	1.62
10/8/12	-	-	6.71	-	21.91	2.27	-	22.06	2.06	-	22.33	1.49	-	22.71	1.03	22.05	-	1.47	22.05	1.36
11/9/12	-	-	8.28	-	22.79	1.67	-	22.45	0.95	-	23.19	0.69	-	23.69	0.08	22.95	-	0.51	22.94	0.42
12/3/12	-	-	6.85	-	23.44	1.68	-	23.48	1.20	-	23.87	0.12	-	24.49	-0.90	23.63	-	-0.52	23.64	-0.50
2012 Deep Averages				-	23.20	1.92	-	23.18	1.57	-	23.69	0.74	-	24.22	0.08	23.39	-	0.88	23.38	0.65
1/4/13	-	-	4.16	-	23.64	1.97	-	22.18	-0.03	-	24.14	0.37	-	24.72	-0.34	24.00	-	-0.95	23.91	-1.09
1/24/13	-	-	-	-	23.59	2.13	-	23.67	1.72	-	24.19	0.71	-	24.70	-0.03	23.81	-	0.25	23.83	0.02
2/1/13	-	-	1.58	-	23.57	1.74	-	23.45	1.15	-	24.09	0.27	-	24.58	-0.46	23.75	-	-0.80	23.80	-0.80
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

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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
8/6/14	-	-	1.81	-	22.20	2.08	-	22.39	1.88	-	22.71	1.16	-	23.14	0.58	22.45	-	1.67	22.45	1.46
9/4/14	-	-	2.23	-	22.06	1.90	-	22.20	3.65	-	22.51	0.98	-	23.00	0.39	22.30	-	1.88	22.29	1.69
10/10/14	-	-	6.75	-	22.00	2.06	-	22.23	1.89	-	22.44	1.18	-	22.93	0.66	22.24	-	1.95	22.22	1.77
11/13/14	-	-	4.84	-	23.04	1.70	-	23.26	1.52	-	23.55	0.61	-	24.07	-0.04	23.28	-	2.08	23.29	1.87
12/5/14	-	-	4.79	-	23.25	1.80	-	23.49	1.61	-	23.81	0.63	-	24.38	-0.06	23.51	-	2.28	23.53	2.07
2014 Deep Averages				-	23.05	1.96	-	23.28	1.94	-	23.51	0.71	-	24.09	0.11	23.31	-	1.12	23.31	0.86
1/14/15	-	-	3.66	-	23.46	1.69	-	23.72	1.50	-	24.05	0.54	-	24.56	-0.11	23.71	-	2.20	23.73	1.94
2/13/15	-	-	5.27	-	23.93	1.55	-	24.15	1.81	-	24.47	0.26	-	25.12	-0.37	24.16	-	2.24	24.19	1.96
3/13/15	-	-	4.47	-	23.51	1.87	-	23.79	1.68	-	24.16	0.72	-	24.65	0.01	23.75	-	2.64	23.78	2.21
4/10/15	-	-	2.03	-	23.68	1.88	-	23.96	1.70	-	24.30	0.72	-	24.80	0.04	23.92	-	2.24	23.96	2.02
5/1/15	-	-	0.58	-	23.31	1.90	-	23.58	1.73	-	23.91	0.76	-	24.40	0.11	23.53	-	2.20	23.55	2.00
6/5/15	-	-	0.23	-	22.68	1.97	-	22.87	1.75	-	23.19	0.98	-	23.65	0.41	22.88	-	2.13	22.90	1.98
7/2/15	-	-	0.09	-	22.22	2.01	-	22.45	1.88	-	22.72	1.26	-	23.14	0.75	22.45	-	1.97	22.48	1.84
8/7/15	-	-	3.28	-	21.68	2.01	-	21.89	1.89	-	22.11	1.40	-	22.50	0.96	21.87	-	1.73	21.89	1.61
9/4/15	-	-	0.83	-	21.60	1.66	-	21.74	1.46	-	21.98	1.04	-	22.39	0.51	21.77	-	1.77	21.78	1.66
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

Table 2

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

Date	Pump Rate (gpm)	Cell Pumped	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
5/4/17	-	-	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	-	21.84	1.17	-	23.46	2.01	22.04	-	1.81	21.96	1.66
12/10/18	-	-	6.08	-	22.70	1.47	-	NM	-	-	22.89	0.56	-	23.59	-0.21	23.01	-	2.45	22.91	2.24
2018 Deep Averages				-	22.74	1.72	-	22.36	1.62	-	23.04	0.84	-	23.56	0.69	23.04	-	1.84	22.97	1.63
3/18/19	-	-	1.37	-	23.61	1.74	-	23.83	1.51	-	22.89	^b	-	24.62	0.07	23.94	-	2.14	23.89	1.71
6/21/19	-	-	0.90	-	22.70	1.89	-	22.73	-	-	21.75	^b	-	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	-	21.12	^b	-	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	-	21.73	^b	-	23.48	0.39	22.88	-	2.46	22.82	2.25
2019 Deep Averages				-	22.72	1.84	-	22.82	1.57	-	21.87	^b	-	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	-	23.24	^b	-	25.02	0.04	24.25	-	2.54	24.20	2.34
2020 Deep Averages				-	23.89	1.80	-	24.14	1.57	-	23.24	^b	-	25.02	0.04	24.25	-	2.54	24.20	2.34

- 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.
- ^b Well monument and top of PVC retrofitted in late 2018; well head yet to be resurveyed.

ATTACHMENT A
February-March 2020 Analytical Laboratory Reports



PES Environmental, Inc.

Bill Haldeman
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: BSB

Work Order Number: 2003001

March 10, 2020

Attention Bill Haldeman:

Fremont Analytical, Inc. received 35 sample(s) on 2/28/2020 for the analyses presented in the following report.

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

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

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

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



CLIENT: PES Environmental, Inc.
Project: BSB
Work Order: 2003001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2003001-001	MW-101-022620	02/26/2020 8:30 AM	02/28/2020 6:30 PM
2003001-002	HY-1i-022620	02/26/2020 9:15 AM	02/28/2020 6:30 PM
2003001-003	HY-1s-022620	02/26/2020 9:30 AM	02/28/2020 6:30 PM
2003001-004	HYCP-7i-022620	02/26/2020 10:40 AM	02/28/2020 6:30 PM
2003001-005	HYCP-7s-022620	02/26/2020 10:55 AM	02/28/2020 6:30 PM
2003001-006	HYCP-2-022620	02/26/2020 11:45 AM	02/28/2020 6:30 PM
2003001-007	Gs-022620	02/26/2020 12:25 PM	02/28/2020 6:30 PM
2003001-008	Gi-022620	02/26/2020 12:35 PM	02/28/2020 6:30 PM
2003001-009	HY-12i-022620	02/26/2020 1:40 PM	02/28/2020 6:30 PM
2003001-010	Hi-022620	02/26/2020 1:45 PM	02/28/2020 6:30 PM
2003001-011	Hs-022620	02/26/2020 2:25 PM	02/28/2020 6:30 PM
2003001-012	HYCP-2d-022720	02/27/2020 8:45 AM	02/28/2020 6:30 PM
2003001-013	MW-102-022720	02/27/2020 8:50 AM	02/28/2020 6:30 PM
2003001-014	HY-123-022720	02/27/2020 9:25 AM	02/28/2020 6:30 PM
2003001-015	HY-122-022720	02/27/2020 10:10 AM	02/28/2020 6:30 PM
2003001-016	Gd-022720	02/27/2020 10:30 AM	02/28/2020 6:30 PM
2003001-017	HY-105-022720	02/27/2020 11:10 AM	02/28/2020 6:30 PM
2003001-018	HY-108-022720	02/27/2020 11:40 AM	02/28/2020 6:30 PM
2003001-019	HY-101-022720	02/27/2020 11:45 AM	02/28/2020 6:30 PM
2003001-020	HY-118-022720	02/27/2020 12:30 PM	02/28/2020 6:30 PM
2003001-021	HY-117-022720	02/27/2020 1:10 PM	02/28/2020 6:30 PM
2003001-022	HY-110-022720	02/27/2020 1:40 PM	02/28/2020 6:30 PM
2003001-023	HY-116-022720	02/27/2020 2:25 PM	02/28/2020 6:30 PM
2003001-024	HY-111-022720	02/27/2020 2:50 PM	02/28/2020 6:30 PM
2003001-025	HY-115-022720	02/27/2020 3:00 PM	02/28/2020 6:30 PM
2003001-026	MW-103-022720	02/27/2020 3:30 PM	02/28/2020 6:30 PM
2003001-027	HY-113-022820	02/28/2020 10:20 AM	02/28/2020 6:30 PM
2003001-028	HY-114-022820	02/28/2020 10:50 AM	02/28/2020 6:30 PM
2003001-029	HY-125-022820	02/28/2020 1:05 PM	02/28/2020 6:30 PM
2003001-030	Ld-022820	02/28/2020 2:00 PM	02/28/2020 6:30 PM
2003001-031	HYCP-7d-022820	02/28/2020 2:55 PM	02/28/2020 6:30 PM
2003001-032	HY-112-022820	02/28/2020 4:05 PM	02/28/2020 6:30 PM
2003001-033	TB-022820	02/24/2020 2:45 PM	02/28/2020 6:30 PM
2003001-034	HY-107-022720	02/27/2020 9:30 AM	02/28/2020 6:30 PM
2003001-035	HCYP-2i-022620	02/26/2020 11:50 AM	02/28/2020 6:30 PM

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 (<20%RSD, <20% Drift or minimum RRF)
- 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
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 8:30:00 AM

Project: BSB

Lab ID: 2003001-001

Matrix: Groundwater

Client Sample ID: MW-101-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 3:48:09 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 3:48:09 PM
Vinyl chloride	0.687	0.200		µg/L	1	3/5/2020 3:48:09 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1-Dichloroethane	0.787	0.500		µg/L	1	3/5/2020 3:48:09 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 3:48:09 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 3:48:09 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 3:48:09 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 3:48:09 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM



Analytical Report

Work Order: 2003001
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 2/26/2020 8:30:00 AM

Project: BSB

Lab ID: 2003001-001

Matrix: Groundwater

Client Sample ID: MW-101-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 3:48:09 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Surr: Dibromofluoromethane	98.7	81.1 - 118		%Rec	1	3/5/2020 3:48:09 PM
Surr: Toluene-d8	101	85.7 - 113		%Rec	1	3/5/2020 3:48:09 PM
Surr: 1-Bromo-4-fluorobenzene	98.5	84.2 - 111		%Rec	1	3/5/2020 3:48:09 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 9:15:00 AM

Project: BSB

Lab ID: 2003001-002

Matrix: Groundwater

Client Sample ID: HY-1i-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 4:18:26 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 4:18:26 PM
Vinyl chloride	0.699	0.200		µg/L	1	3/5/2020 4:18:26 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 4:18:26 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1-Dichloroethane	0.817	0.500		µg/L	1	3/5/2020 4:18:26 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 4:18:26 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 4:18:26 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 4:18:26 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 4:18:26 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 4:18:26 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 4:18:26 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM



Client: PES Environmental, Inc.
Project: BSB
Lab ID: 2003001-002
Client Sample ID: HY-1i-022620

Collection Date: 2/26/2020 9:15:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 27659	Analyst: CR
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 4:18:26 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 4:18:26 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Surr: Dibromofluoromethane	98.8	81.1 - 118		%Rec	1	3/5/2020 4:18:26 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 4:18:26 PM
Surr: 1-Bromo-4-fluorobenzene	98.8	84.2 - 111		%Rec	1	3/5/2020 4:18:26 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 9:30:00 AM

Project: BSB

Lab ID: 2003001-003

Matrix: Groundwater

Client Sample ID: HY-1s-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 5:18:50 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 5:18:50 PM
Vinyl chloride	11.2	0.200		µg/L	1	3/5/2020 5:18:50 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
cis-1,2-Dichloroethene	1.37	0.500		µg/L	1	3/5/2020 5:18:50 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 5:18:50 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 5:18:50 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 5:18:50 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 5:18:50 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM



Client: PES Environmental, Inc.
Project: BSB
Lab ID: 2003001-003
Client Sample ID: HY-1s-022620

Collection Date: 2/26/2020 9:30:00 AM
Matrix: Groundwater

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 5:18:50 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Surr: Dibromofluoromethane	100	81.1 - 118		%Rec	1	3/5/2020 5:18:50 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 5:18:50 PM
Surr: 1-Bromo-4-fluorobenzene	98.9	84.2 - 111		%Rec	1	3/5/2020 5:18:50 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:40:00 AM

Project: BSB

Lab ID: 2003001-004

Matrix: Groundwater

Client Sample ID: HYCP-7i-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 5:49:00 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 5:49:00 PM
Vinyl chloride	0.367	0.200		µg/L	1	3/5/2020 5:49:00 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 5:49:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 5:49:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 5:49:00 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 5:49:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 5:49:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 5:49:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 5:49:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:40:00 AM

Project: BSB

Lab ID: 2003001-004

Matrix: Groundwater

Client Sample ID: HYCP-7i-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 5:49:00 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 5:49:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 5:49:00 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 5:49:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.2	84.2 - 111		%Rec	1	3/5/2020 5:49:00 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:55:00 AM

Project: BSB

Lab ID: 2003001-005

Matrix: Groundwater

Client Sample ID: HYCP-7s-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 6:19:13 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 6:19:13 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 6:19:13 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 6:19:13 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 6:19:13 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 6:19:13 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 6:19:13 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 6:19:13 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 6:19:13 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 6:19:13 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:55:00 AM

Project: BSB

Lab ID: 2003001-005

Matrix: Groundwater

Client Sample ID: HYCP-7s-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 6:19:13 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 6:19:13 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 6:19:13 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 6:19:13 PM
Surr: 1-Bromo-4-fluorobenzene	98.9	84.2 - 111		%Rec	1	3/5/2020 6:19:13 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-006

Matrix: Groundwater

Client Sample ID: HYCP-2-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 6:49:24 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 6:49:24 PM
Vinyl chloride	2.56	0.200		µg/L	1	3/5/2020 6:49:24 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
cis-1,2-Dichloroethene	1.01	0.500		µg/L	1	3/5/2020 6:49:24 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 6:49:24 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 6:49:24 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 6:49:24 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 6:49:24 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-006

Matrix: Groundwater

Client Sample ID: HYCP-2-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 6:49:24 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/5/2020 6:49:24 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 6:49:24 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	84.2 - 111		%Rec	1	3/5/2020 6:49:24 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:25:00 PM

Project: BSB

Lab ID: 2003001-007

Matrix: Groundwater

Client Sample ID: Gs-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 7:19:36 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 7:19:36 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 7:19:36 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 7:19:36 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 7:19:36 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 7:19:36 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 7:19:36 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:25:00 PM

Project: BSB

Lab ID: 2003001-007

Matrix: Groundwater

Client Sample ID: Gs-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 7:19:36 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 7:19:36 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 7:19:36 PM
Surr: 1-Bromo-4-fluorobenzene	98.7	84.2 - 111		%Rec	1	3/5/2020 7:19:36 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:35:00 PM

Project: BSB

Lab ID: 2003001-008

Matrix: Groundwater

Client Sample ID: Gi-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 7:49:52 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 7:49:52 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 7:49:52 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 7:49:52 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 7:49:52 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 7:49:52 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 7:49:52 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 7:49:52 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 7:49:52 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 7:49:52 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:35:00 PM

Project: BSB

Lab ID: 2003001-008

Matrix: Groundwater

Client Sample ID: Gi-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 7:49:52 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 7:49:52 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Surr: Dibromofluoromethane	103	81.1 - 118		%Rec	1	3/5/2020 7:49:52 PM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/5/2020 7:49:52 PM
Surr: 1-Bromo-4-fluorobenzene	98.0	84.2 - 111		%Rec	1	3/5/2020 7:49:52 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-009

Matrix: Groundwater

Client Sample ID: HY-12i-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	50.0	DQ	µg/L	50	3/6/2020 3:54:58 AM
Chloromethane	ND	39.4	DMDL	µg/L	50	3/6/2020 3:54:58 AM
Vinyl chloride	45,100	1,000	D	µg/L	5000	3/6/2020 2:54:09 AM
Bromomethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Trichlorofluoromethane (CFC-11)	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Chloroethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,1-Dichloroethene	504	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Methylene chloride	ND	50.0	D	µg/L	50	3/6/2020 3:54:58 AM
trans-1,2-Dichloroethene	3,450	250	D	µg/L	500	3/6/2020 3:24:31 AM
1,1-Dichloroethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
cis-1,2-Dichloroethene	108,000	2,500	D	µg/L	5000	3/6/2020 2:54:09 AM
Chloroform	ND	50.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,1,1-Trichloroethane (TCA)	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,1-Dichloropropene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Carbon tetrachloride	ND	26.7	DMDL	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dichloroethane (EDC)	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Trichloroethene (TCE)	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dichloropropane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Bromodichloromethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Dibromomethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
cis-1,3-Dichloropropene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
trans-1,3-Dichloropropylene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,1,2-Trichloroethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,3-Dichloropropane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Tetrachloroethene (PCE)	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Dibromochloromethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dibromoethane (EDB)	ND	10.0	D	µg/L	50	3/6/2020 3:54:58 AM
Chlorobenzene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,1,1,2-Tetrachloroethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Bromoform	ND	42.9	DMDL	µg/L	50	3/6/2020 3:54:58 AM
1,1,2,2-Tetrachloroethane	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Bromobenzene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
2-Chlorotoluene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
4-Chlorotoluene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,2,3-Trichloropropane	ND	100	D	µg/L	50	3/6/2020 3:54:58 AM
1,2,4-Trichlorobenzene	ND	50.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,3-Dichlorobenzene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,4-Dichlorobenzene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dichlorobenzene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-009

Matrix: Groundwater

Client Sample ID: HY-12i-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	50.0	D	µg/L	50	3/6/2020 3:54:58 AM
Hexachloro-1,3-butadiene	ND	100	D	µg/L	50	3/6/2020 3:54:58 AM
1,2,3-Trichlorobenzene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Surr: Dibromofluoromethane	104	81.1 - 118	D	%Rec	50	3/6/2020 3:54:58 AM
Surr: Toluene-d8	98.7	85.7 - 113	D	%Rec	50	3/6/2020 3:54:58 AM
Surr: 1-Bromo-4-fluorobenzene	94.6	84.2 - 111	D	%Rec	50	3/6/2020 3:54:58 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Diluted due to matrix.

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:45:00 PM

Project: BSB

Lab ID: 2003001-010

Matrix: Groundwater

Client Sample ID: Hi-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 8:20:02 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:20:02 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:20:02 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:20:02 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:20:02 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:20:02 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:20:02 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:45:00 PM

Project: BSB

Lab ID: 2003001-010

Matrix: Groundwater

Client Sample ID: Hi-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:20:02 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Surr: Dibromofluoromethane	103	81.1 - 118		%Rec	1	3/5/2020 8:20:02 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 8:20:02 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	84.2 - 111		%Rec	1	3/5/2020 8:20:02 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-011

Matrix: Groundwater

Client Sample ID: Hs-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 8:50:21 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:50:21 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:50:21 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:50:21 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:50:21 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:50:21 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:50:21 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-011

Matrix: Groundwater

Client Sample ID: Hs-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:50:21 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/5/2020 8:50:21 PM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/5/2020 8:50:21 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	84.2 - 111		%Rec	1	3/5/2020 8:50:21 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:45:00 AM

Project: BSB

Lab ID: 2003001-012

Matrix: Groundwater

Client Sample ID: HYCP-2d-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 9:20:37 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 9:20:37 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 9:20:37 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 9:20:37 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 9:20:37 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 9:20:37 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 9:20:37 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 9:20:37 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 9:20:37 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 9:20:37 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:45:00 AM

Project: BSB

Lab ID: 2003001-012

Matrix: Groundwater

Client Sample ID: HYCP-2d-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 9:20:37 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 9:20:37 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 9:20:37 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 9:20:37 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	84.2 - 111		%Rec	1	3/5/2020 9:20:37 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:50:00 AM

Project: BSB

Lab ID: 2003001-013

Matrix: Groundwater

Client Sample ID: MW-102-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 10:21:16 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 10:21:16 PM
Vinyl chloride	5.77	0.200		µg/L	1	3/5/2020 10:21:16 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 10:21:16 PM
trans-1,2-Dichloroethene	0.642	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
cis-1,2-Dichloroethene	2.70	0.500		µg/L	1	3/5/2020 10:21:16 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 10:21:16 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 10:21:16 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 10:21:16 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 10:21:16 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 10:21:16 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 10:21:16 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM



Analytical Report

Work Order: 2003001
 Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:50:00 AM

Project: BSB

Lab ID: 2003001-013

Matrix: Groundwater

Client Sample ID: MW-102-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:21:16 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:21:16 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Surr: Dibromofluoromethane	105	81.1 - 118		%Rec	1	3/5/2020 10:21:16 PM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/5/2020 10:21:16 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	84.2 - 111		%Rec	1	3/5/2020 10:21:16 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:25:00 AM

Project: BSB

Lab ID: 2003001-014

Matrix: Groundwater

Client Sample ID: HY-123-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 5:26:12 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 5:26:12 AM
Vinyl chloride	465	10.0	D	µg/L	50	3/6/2020 1:53:26 AM
Bromomethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1-Dichloroethene	0.678	0.500		µg/L	1	3/6/2020 5:26:12 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 5:26:12 AM
trans-1,2-Dichloroethene	1.72	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
cis-1,2-Dichloroethene	391	25.0	D	µg/L	50	3/6/2020 1:53:26 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 5:26:12 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 5:26:12 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 5:26:12 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 5:26:12 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 5:26:12 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 5:26:12 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:25:00 AM

Project: BSB

Lab ID: 2003001-014

Matrix: Groundwater

Client Sample ID: HY-123-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 5:26:12 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 5:26:12 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Surr: Dibromofluoromethane	106	81.1 - 118		%Rec	1	3/6/2020 5:26:12 AM
Surr: Toluene-d8	100	85.7 - 113		%Rec	1	3/6/2020 5:26:12 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	84.2 - 111		%Rec	1	3/6/2020 5:26:12 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:10:00 AM

Project: BSB

Lab ID: 2003001-015

Matrix: Groundwater

Client Sample ID: HY-122-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 10:51:32 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 10:51:32 PM
Vinyl chloride	6.10	0.200		µg/L	1	3/5/2020 10:51:32 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 10:51:32 PM
trans-1,2-Dichloroethene	0.673	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
cis-1,2-Dichloroethene	2.83	0.500		µg/L	1	3/5/2020 10:51:32 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 10:51:32 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 10:51:32 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 10:51:32 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 10:51:32 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 10:51:32 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 10:51:32 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:10:00 AM

Project: BSB

Lab ID: 2003001-015

Matrix: Groundwater

Client Sample ID: HY-122-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:51:32 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:51:32 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Surr: Dibromofluoromethane	105	81.1 - 118		%Rec	1	3/5/2020 10:51:32 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 10:51:32 PM
Surr: 1-Bromo-4-fluorobenzene	96.9	84.2 - 111		%Rec	1	3/5/2020 10:51:32 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Analytical Report

Work Order: 2003001
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:30:00 AM

Project: BSB

Lab ID: 2003001-016

Matrix: Groundwater

Client Sample ID: Gd-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 11:21:49 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 11:21:49 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 11:21:49 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 11:21:49 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 11:21:49 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 11:21:49 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 11:21:49 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 11:21:49 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 11:21:49 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 11:21:49 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:30:00 AM

Project: BSB

Lab ID: 2003001-016

Matrix: Groundwater

Client Sample ID: Gd-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 11:21:49 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 11:21:49 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Surr: Dibromofluoromethane	104	81.1 - 118		%Rec	1	3/5/2020 11:21:49 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 11:21:49 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	84.2 - 111		%Rec	1	3/5/2020 11:21:49 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:10:00 AM

Project: BSB

Lab ID: 2003001-017

Matrix: Groundwater

Client Sample ID: HY-105-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 12:22:31 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 12:22:31 AM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 12:22:31 AM
Bromomethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 12:22:31 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 12:22:31 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 12:22:31 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Trichloroethene (TCE)	0.579	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 12:22:31 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 12:22:31 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 12:22:31 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 12:22:31 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:22:31 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:10:00 AM

Project: BSB

Lab ID: 2003001-017

Matrix: Groundwater

Client Sample ID: HY-105-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 12:22:31 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 12:22:31 AM
1,2,3-Trichlorobenzene	0.612	0.500		µg/L	1	3/6/2020 12:22:31 AM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/6/2020 12:22:31 AM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/6/2020 12:22:31 AM
Surr: 1-Bromo-4-fluorobenzene	98.0	84.2 - 111		%Rec	1	3/6/2020 12:22:31 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:40:00 AM

Project: BSB

Lab ID: 2003001-018

Matrix: Groundwater

Client Sample ID: HY-108-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 4:55:51 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 4:55:51 AM
Vinyl chloride	70.2	2.00	D	µg/L	10	3/6/2020 2:23:48 AM
Bromomethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 4:55:51 AM
trans-1,2-Dichloroethene	0.800	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
cis-1,2-Dichloroethene	8.56	0.500		µg/L	1	3/6/2020 4:55:51 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 4:55:51 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 4:55:51 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 4:55:51 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 4:55:51 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 4:55:51 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 4:55:51 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:40:00 AM

Project: BSB

Lab ID: 2003001-018

Matrix: Groundwater

Client Sample ID: HY-108-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 4:55:51 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 4:55:51 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/6/2020 4:55:51 AM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/6/2020 4:55:51 AM
Surr: 1-Bromo-4-fluorobenzene	97.3	84.2 - 111		%Rec	1	3/6/2020 4:55:51 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-019

Matrix: Groundwater

Client Sample ID: HY-101-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 12:52:48 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 12:52:48 AM
Vinyl chloride	0.224	0.200		µg/L	1	3/6/2020 12:52:48 AM
Bromomethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 12:52:48 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 12:52:48 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 12:52:48 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 12:52:48 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 12:52:48 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 12:52:48 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 12:52:48 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-019

Matrix: Groundwater

Client Sample ID: HY-101-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 12:52:48 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 12:52:48 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Surr: Dibromofluoromethane	104	81.1 - 118		%Rec	1	3/6/2020 12:52:48 AM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/6/2020 12:52:48 AM
Surr: 1-Bromo-4-fluorobenzene	95.1	84.2 - 111		%Rec	1	3/6/2020 12:52:48 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 12:30:00 PM

Project: BSB

Lab ID: 2003001-020

Matrix: Groundwater

Client Sample ID: HY-118-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 1:23:04 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 1:23:04 AM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 1:23:04 AM
Bromomethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 1:23:04 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 1:23:04 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 1:23:04 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 1:23:04 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 1:23:04 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 1:23:04 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 1:23:04 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 12:30:00 PM

Project: BSB

Lab ID: 2003001-020

Matrix: Groundwater

Client Sample ID: HY-118-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 1:23:04 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 1:23:04 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Surr: Dibromofluoromethane	104	81.1 - 118		%Rec	1	3/6/2020 1:23:04 AM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/6/2020 1:23:04 AM
Surr: 1-Bromo-4-fluorobenzene	98.6	84.2 - 111		%Rec	1	3/6/2020 1:23:04 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:10:00 PM

Project: BSB

Lab ID: 2003001-021

Matrix: Groundwater

Client Sample ID: HY-117-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 2:25:21 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 2:25:21 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 2:25:21 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 2:25:21 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 2:25:21 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
cis-1,2-Dichloroethene	3.99	0.500		µg/L	1	3/5/2020 2:25:21 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 2:25:21 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 2:25:21 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Trichloroethene (TCE)	2.28	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 2:25:21 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 2:25:21 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 2:25:21 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 2:25:21 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:10:00 PM

Project: BSB

Lab ID: 2003001-021

Matrix: Groundwater

Client Sample ID: HY-117-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 2:25:21 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 2:25:21 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Surr: Dibromofluoromethane	108	81.1 - 118		%Rec	1	3/5/2020 2:25:21 PM
Surr: Toluene-d8	96.5	85.7 - 113		%Rec	1	3/5/2020 2:25:21 PM
Surr: 1-Bromo-4-fluorobenzene	91.9	84.2 - 111		%Rec	1	3/5/2020 2:25:21 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-022

Matrix: Groundwater

Client Sample ID: HY-110-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 2:27:22 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 2:27:22 AM
Vinyl chloride	72.6	2.00	D	µg/L	10	3/5/2020 11:26:30 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/6/2020 2:27:22 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 2:27:22 AM
trans-1,2-Dichloroethene	1.93	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
cis-1,2-Dichloroethene	2.22	0.500		µg/L	1	3/6/2020 2:27:22 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 2:27:22 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 2:27:22 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 2:27:22 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 2:27:22 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 2:27:22 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 2:27:22 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-022

Matrix: Groundwater

Client Sample ID: HY-110-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 2:27:22 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 2:27:22 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/6/2020 2:27:22 AM
Surr: Toluene-d8	97.6	85.7 - 113		%Rec	1	3/6/2020 2:27:22 AM
Surr: 1-Bromo-4-fluorobenzene	93.6	84.2 - 111		%Rec	1	3/6/2020 2:27:22 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-023

Matrix: Groundwater

Client Sample ID: HY-116-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 2:57:30 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 2:57:30 AM
Vinyl chloride	5.57	0.200		µg/L	1	3/6/2020 2:57:30 AM
Bromomethane	ND	0.500	Q	µg/L	1	3/6/2020 2:57:30 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 2:57:30 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
cis-1,2-Dichloroethene	2.40	0.500		µg/L	1	3/6/2020 2:57:30 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 2:57:30 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 2:57:30 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 2:57:30 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 2:57:30 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 2:57:30 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 2:57:30 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-023

Matrix: Groundwater

Client Sample ID: HY-116-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 2:57:30 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 2:57:30 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Surr: Dibromofluoromethane	112	81.1 - 118		%Rec	1	3/6/2020 2:57:30 AM
Surr: Toluene-d8	97.7	85.7 - 113		%Rec	1	3/6/2020 2:57:30 AM
Surr: 1-Bromo-4-fluorobenzene	93.1	84.2 - 111		%Rec	1	3/6/2020 2:57:30 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Analytical Report

Work Order: 2003001
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:50:00 PM

Project: BSB

Lab ID: 2003001-024

Matrix: Groundwater

Client Sample ID: HY-111-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 2:55:28 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 2:55:28 PM
Vinyl chloride	0.548	0.200		µg/L	1	3/5/2020 2:55:28 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 2:55:28 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 2:55:28 PM
trans-1,2-Dichloroethene	2.10	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 2:55:28 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 2:55:28 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 2:55:28 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 2:55:28 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 2:55:28 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 2:55:28 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:50:00 PM

Project: BSB

Lab ID: 2003001-024

Matrix: Groundwater

Client Sample ID: HY-111-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 2:55:28 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 2:55:28 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Surr: Dibromofluoromethane	108	81.1 - 118		%Rec	1	3/5/2020 2:55:28 PM
Surr: Toluene-d8	98.9	85.7 - 113		%Rec	1	3/5/2020 2:55:28 PM
Surr: 1-Bromo-4-fluorobenzene	92.2	84.2 - 111		%Rec	1	3/5/2020 2:55:28 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:00:00 PM

Project: BSB

Lab ID: 2003001-025

Matrix: Groundwater

Client Sample ID: HY-115-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 3:55:45 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 3:55:45 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 3:55:45 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 3:55:45 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 3:55:45 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 3:55:45 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 3:55:45 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 3:55:45 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 3:55:45 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 3:55:45 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 3:55:45 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:00:00 PM

Project: BSB

Lab ID: 2003001-025

Matrix: Groundwater

Client Sample ID: HY-115-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 3:55:45 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 3:55:45 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/5/2020 3:55:45 PM
Surr: Toluene-d8	99.1	85.7 - 113		%Rec	1	3/5/2020 3:55:45 PM
Surr: 1-Bromo-4-fluorobenzene	93.3	84.2 - 111		%Rec	1	3/5/2020 3:55:45 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:30:00 PM

Project: BSB

Lab ID: 2003001-026

Matrix: Groundwater

Client Sample ID: MW-103-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 4:25:51 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 4:25:51 PM
Vinyl chloride	0.514	0.200		µg/L	1	3/5/2020 4:25:51 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 4:25:51 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 4:25:51 PM
trans-1,2-Dichloroethene	2.16	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 4:25:51 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 4:25:51 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 4:25:51 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 4:25:51 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 4:25:51 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 4:25:51 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:30:00 PM

Project: BSB

Lab ID: 2003001-026

Matrix: Groundwater

Client Sample ID: MW-103-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 4:25:51 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 4:25:51 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Surr: Dibromofluoromethane	111	81.1 - 118		%Rec	1	3/5/2020 4:25:51 PM
Surr: Toluene-d8	98.2	85.7 - 113		%Rec	1	3/5/2020 4:25:51 PM
Surr: 1-Bromo-4-fluorobenzene	92.3	84.2 - 111		%Rec	1	3/5/2020 4:25:51 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:20:00 AM

Project: BSB

Lab ID: 2003001-027

Matrix: Groundwater

Client Sample ID: HY-113-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 8:25:37 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:25:37 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:25:37 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 8:25:37 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:25:37 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:25:37 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:25:37 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:25:37 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:20:00 AM

Project: BSB

Lab ID: 2003001-027

Matrix: Groundwater

Client Sample ID: HY-113-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:25:37 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Surr: Dibromofluoromethane	115	81.1 - 118		%Rec	1	3/5/2020 8:25:37 PM
Surr: Toluene-d8	94.6	85.7 - 113		%Rec	1	3/5/2020 8:25:37 PM
Surr: 1-Bromo-4-fluorobenzene	94.6	84.2 - 111		%Rec	1	3/5/2020 8:25:37 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:50:00 AM

Project: BSB

Lab ID: 2003001-028

Matrix: Groundwater

Client Sample ID: HY-114-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 3:27:38 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 3:27:38 AM
Vinyl chloride	156	2.00	D	µg/L	10	3/6/2020 12:26:46 AM
Bromomethane	ND	0.500	Q	µg/L	1	3/6/2020 3:27:38 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 3:27:38 AM
trans-1,2-Dichloroethene	3.23	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
cis-1,2-Dichloroethene	57.2	5.00	D	µg/L	10	3/6/2020 12:26:46 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 3:27:38 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 3:27:38 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 3:27:38 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 3:27:38 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 3:27:38 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 3:27:38 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:50:00 AM

Project: BSB

Lab ID: 2003001-028

Matrix: Groundwater

Client Sample ID: HY-114-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 3:27:38 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 3:27:38 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Surr: Dibromofluoromethane	121	81.1 - 118	S	%Rec	1	3/6/2020 3:27:38 AM
Surr: Toluene-d8	92.6	85.7 - 113		%Rec	1	3/6/2020 3:27:38 AM
Surr: 1-Bromo-4-fluorobenzene	93.9	84.2 - 111		%Rec	1	3/6/2020 3:27:38 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)

S - Outlying surrogate recovery(ies) observed.



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 1:05:00 PM

Project: BSB

Lab ID: 2003001-029

Matrix: Groundwater

Client Sample ID: HY-125-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 3:57:46 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 3:57:46 AM
Vinyl chloride	963	20.0	D	µg/L	100	3/6/2020 12:56:55 AM
Bromomethane	ND	0.500	Q	µg/L	1	3/6/2020 3:57:46 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Chloroethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 3:57:46 AM
trans-1,2-Dichloroethene	12.8	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
cis-1,2-Dichloroethene	104	10.0	D	µg/L	20	3/6/2020 1:27:05 AM
Chloroform	ND	1.00		µg/L	1	3/6/2020 3:57:46 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 3:57:46 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Dibromomethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/6/2020 3:57:46 AM
Chlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 3:57:46 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Bromobenzene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/6/2020 3:57:46 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/6/2020 3:57:46 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 1:05:00 PM

Project: BSB

Lab ID: 2003001-029

Matrix: Groundwater

Client Sample ID: HY-125-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 3:57:46 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 3:57:46 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Surr: Dibromofluoromethane	109	81.1 - 118		%Rec	1	3/6/2020 3:57:46 AM
Surr: Toluene-d8	95.9	85.7 - 113		%Rec	1	3/6/2020 3:57:46 AM
Surr: 1-Bromo-4-fluorobenzene	94.0	84.2 - 111		%Rec	1	3/6/2020 3:57:46 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:00:00 PM

Project: BSB

Lab ID: 2003001-030

Matrix: Groundwater

Client Sample ID: Ld-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 8:55:47 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:55:47 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:55:47 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 8:55:47 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:55:47 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:55:47 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:55:47 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:55:47 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:00:00 PM

Project: BSB

Lab ID: 2003001-030

Matrix: Groundwater

Client Sample ID: Ld-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:55:47 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Surr: Dibromofluoromethane	109	81.1 - 118		%Rec	1	3/5/2020 8:55:47 PM
Surr: Toluene-d8	97.5	85.7 - 113		%Rec	1	3/5/2020 8:55:47 PM
Surr: 1-Bromo-4-fluorobenzene	95.7	84.2 - 111		%Rec	1	3/5/2020 8:55:47 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:55:00 PM

Project: BSB

Lab ID: 2003001-031

Matrix: Groundwater

Client Sample ID: HYCP-7d-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 9:25:55 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 9:25:55 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 9:25:55 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 9:25:55 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 9:25:55 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 9:25:55 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 9:25:55 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 9:25:55 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 9:25:55 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 9:25:55 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 9:25:55 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:55:00 PM

Project: BSB

Lab ID: 2003001-031

Matrix: Groundwater

Client Sample ID: HYCP-7d-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 9:25:55 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 9:25:55 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/5/2020 9:25:55 PM
Surr: Toluene-d8	96.6	85.7 - 113		%Rec	1	3/5/2020 9:25:55 PM
Surr: 1-Bromo-4-fluorobenzene	92.0	84.2 - 111		%Rec	1	3/5/2020 9:25:55 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Analytical Report

Work Order: 2003001
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 2/28/2020 4:05:00 PM

Project: BSB

Lab ID: 2003001-032

Matrix: Groundwater

Client Sample ID: HY-112-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 9:56:03 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 9:56:03 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 9:56:03 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 9:56:03 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 9:56:03 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 9:56:03 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 9:56:03 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 9:56:03 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 9:56:03 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 9:56:03 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 9:56:03 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 4:05:00 PM

Project: BSB

Lab ID: 2003001-032

Matrix: Groundwater

Client Sample ID: HY-112-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 9:56:03 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 9:56:03 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Surr: Dibromofluoromethane	112	81.1 - 118		%Rec	1	3/5/2020 9:56:03 PM
Surr: Toluene-d8	97.2	85.7 - 113		%Rec	1	3/5/2020 9:56:03 PM
Surr: 1-Bromo-4-fluorobenzene	94.5	84.2 - 111		%Rec	1	3/5/2020 9:56:03 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/24/2020 2:45:00 PM

Project: BSB

Lab ID: 2003001-033

Matrix: Water

Client Sample ID: TB-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 10:54:25 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 10:54:25 AM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 10:54:25 AM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 10:54:25 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 10:54:25 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Chloroform	ND	1.00		µg/L	1	3/5/2020 10:54:25 AM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 10:54:25 AM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 10:54:25 AM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 10:54:25 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 10:54:25 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 10:54:25 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM



Client: PES Environmental, Inc.

Collection Date: 2/24/2020 2:45:00 PM

Project: BSB

Lab ID: 2003001-033

Matrix: Water

Client Sample ID: TB-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:54:25 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:54:25 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Surr: Dibromofluoromethane	105	81.1 - 118		%Rec	1	3/5/2020 10:54:25 AM
Surr: Toluene-d8	97.8	85.7 - 113		%Rec	1	3/5/2020 10:54:25 AM
Surr: 1-Bromo-4-fluorobenzene	93.1	84.2 - 111		%Rec	1	3/5/2020 10:54:25 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:30:00 AM

Project: BSB

Lab ID: 2003001-034

Matrix: Groundwater

Client Sample ID: HY-107-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 10:26:12 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 10:26:12 PM
Vinyl chloride	795	4.00	D	µg/L	20	3/6/2020 5:35:19 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 10:26:12 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1-Dichloroethene	14.0	0.500		µg/L	1	3/5/2020 10:26:12 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 10:26:12 PM
trans-1,2-Dichloroethene	58.5	10.0	D	µg/L	20	3/6/2020 5:35:19 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
cis-1,2-Dichloroethene	13,800	500	D	µg/L	1000	3/9/2020 7:54:06 AM
Chloroform	ND	1.00		µg/L	1	3/5/2020 10:26:12 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 10:26:12 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 10:26:12 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 10:26:12 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 10:26:12 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 10:26:12 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:30:00 AM

Project: BSB

Lab ID: 2003001-034

Matrix: Groundwater

Client Sample ID: HY-107-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:26:12 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:26:12 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Surr: Dibromofluoromethane	114	81.1 - 118		%Rec	1	3/5/2020 10:26:12 PM
Surr: Toluene-d8	95.3	85.7 - 113		%Rec	1	3/5/2020 10:26:12 PM
Surr: 1-Bromo-4-fluorobenzene	94.1	84.2 - 111		%Rec	1	3/5/2020 10:26:12 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:50:00 AM

Project: BSB

Lab ID: 2003001-035

Matrix: Groundwater

Client Sample ID: HCYP-2i-022620

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/5/2020 10:56:22 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 10:56:22 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 4:35:02 PM
Bromomethane	ND	0.500	Q	µg/L	1	3/5/2020 10:56:22 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 4:35:02 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 4:35:02 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 10:56:22 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 10:56:22 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 10:56:22 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 10:56:22 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:50:00 AM

Project: BSB

Lab ID: 2003001-035

Matrix: Groundwater

Client Sample ID: HCYP-2i-022620

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:56:22 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/5/2020 10:56:22 PM
Surr: Toluene-d8	97.9	85.7 - 113		%Rec	1	3/5/2020 10:56:22 PM
Surr: 1-Bromo-4-fluorobenzene	95.1	84.2 - 111		%Rec	1	3/5/2020 10:56:22 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-27671	SampType: LCS	Units: µg/L				Prep Date: 3/5/2020	RunNo: 57828				
Client ID: LCSW	Batch ID: 27671					Analysis Date: 3/5/2020	SeqNo: 1154743				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	20.9	1.00	20.00	0	104	14.5	175				
Chloromethane	18.7	2.00	20.00	0	93.3	44.8	153				
Vinyl chloride	18.0	0.200	20.00	0	89.8	64.1	131				
Bromomethane	18.4	1.00	20.00	0	92.2	34.2	171				
Trichlorofluoromethane (CFC-11)	19.8	1.00	20.00	0	99.1	77.4	121				
Chloroethane	17.9	1.00	20.00	0	89.4	73.3	123				
1,1-Dichloroethene	20.2	1.00	20.00	0	101	81.8	116				
Acetone	53.7	5.00	50.00	0	107	47.6	157				
Methylene chloride	16.7	1.00	20.00	0	83.3	80.4	116				
trans-1,2-Dichloroethene	21.8	1.00	20.00	0	109	83.1	115				
1,1-Dichloroethane	20.4	1.00	20.00	0	102	79.5	119				
cis-1,2-Dichloroethene	21.2	1.00	20.00	0	106	83.5	115				
Chloroform	21.1	1.00	20.00	0	105	81	117				
1,1,1-Trichloroethane (TCA)	21.4	1.00	20.00	0	107	82.8	116				
1,1-Dichloropropene	21.1	1.00	20.00	0	105	81.5	117				
Carbon tetrachloride	21.6	1.00	20.00	0	108	83.3	114				
1,2-Dichloroethane (EDC)	20.9	1.00	20.00	0	105	78.4	118				
Trichloroethene (TCE)	20.6	0.500	20.00	0	103	82.2	116				
1,2-Dichloropropane	20.7	1.00	20.00	0	104	78	120				
Bromodichloromethane	21.3	1.00	20.00	0	106	80.9	116				
Dibromomethane	21.2	1.00	20.00	0	106	80	117				
cis-1,3-Dichloropropene	20.7	1.00	20.00	0	104	79.8	118				
trans-1,3-Dichloropropylene	20.7	1.00	20.00	0	104	75.8	122				
1,1,2-Trichloroethane	21.0	1.00	20.00	0	105	77.8	120				
1,3-Dichloropropane	20.8	1.00	20.00	0	104	76.5	121				
Tetrachloroethene (PCE)	20.2	1.00	20.00	0	101	86.2	114				
Dibromochloromethane	21.1	1.00	20.00	0	105	78	117				
1,2-Dibromoethane (EDB)	21.3	0.250	20.00	0	106	76.8	120				
Chlorobenzene	20.4	1.00	20.00	0	102	85.2	112				
1,1,1,2-Tetrachloroethane	21.1	1.00	20.00	0	105	85.5	110				
Bromoform	21.5	2.00	20.00	0	107	73.4	119				

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-27671	SampType: LCS	Units: µg/L				Prep Date: 3/5/2020	RunNo: 57828				
Client ID: LCSW	Batch ID: 27671					Analysis Date: 3/5/2020	SeqNo: 1154743				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	22.1	1.00	20.00	0	110	74.8	124				
Bromobenzene	19.9	1.00	20.00	0	99.6	83.2	116				
2-Chlorotoluene	19.0	1.00	20.00	0	95.0	81.8	119				
4-Chlorotoluene	19.0	1.00	20.00	0	94.8	81.6	118				
1,2,3-Trichloropropane	21.2	1.00	20.00	0	106	73.2	126				
1,2,4-Trichlorobenzene	21.2	2.00	20.00	0	106	68.7	138				
1,3-Dichlorobenzene	20.9	1.00	20.00	0	105	90.7	114				
1,4-Dichlorobenzene	19.5	1.00	20.00	0	97.7	90.1	114				
1,2-Dichlorobenzene	19.8	1.00	20.00	0	99.1	90.1	115				
1,2-Dibromo-3-chloropropane	23.5	1.00	20.00	0	117	54.8	147				
Hexachloro-1,3-butadiene	21.6	4.00	20.00	0	108	73.6	134				
1,2,3-Trichlorobenzene	21.3	4.00	20.00	0	107	57.1	150				
Surr: Dibromofluoromethane	27.3		25.00		109	81.1	118				
Surr: Toluene-d8	24.6		25.00		98.3	85.7	113				
Surr: 1-Bromo-4-fluorobenzene	24.8		25.00		99.4	84.2	111				

Sample ID: MB-27671	SampType: MBLK	Units: µg/L				Prep Date: 3/5/2020	RunNo: 57828				
Client ID: MBLKW	Batch ID: 27671					Analysis Date: 3/5/2020	SeqNo: 1154744				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									Q
Chloromethane	ND	0.789									MDL
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									Q
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Acetone	ND	5.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-27671	SampType: MBLK	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: MBLKW	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154744							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	0.534									MDL
1,2-Dichloroethane (EDC)	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
trans-1,3-Dichloropropylene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.250									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Bromoform	ND	0.858									MDL
1,1,2,2-Tetrachloroethane	ND	1.00									
Bromobenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-27671	SampType: MBLK	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: MBLKW	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154744							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	4.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	26.3		25.00		105	81.1	118				
Surr: Toluene-d8	24.0		25.00		96.1	85.7	113				
Surr: 1-Bromo-4-fluorobenzene	23.4		25.00		93.8	84.2	111				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
 MDL - Analyte reported to Method Detection Limit (MDL)

Sample ID: 2003011-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: BATCH	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154735							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	Q
Chloromethane	ND	2.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	Q
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Acetone	ND	5.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003011-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828
Client ID: BATCH	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154735

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Bromoform	ND	2.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	4.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	27.1		25.00		108	81.1	118		0		
Surr: Toluene-d8	24.4		25.00		97.6	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	24.2		25.00		97.0	84.2	111		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-024ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: HY-111-022720	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154719							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	Q
Chloromethane	ND	0.789						0		30	MDL
Vinyl chloride	0.503	0.200						0.5484	8.69	30	
Bromomethane	ND	1.00						0		30	Q
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Acetone	ND	5.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	2.22	1.00						2.105	5.48	30	
1,1-Dichloroethane	ND	1.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	0.534						0		30	MDL
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Bromoform	ND	0.858						0		30	MDL

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-024ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: HY-111-022720	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154719							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	4.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	27.5		25.00		110	81.1	118		0		
Surr: Toluene-d8	24.7		25.00		98.9	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	23.3		25.00		93.0	84.2	111		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
 MDL - Analyte reported to Method Detection Limit (MDL)

Sample ID: 2003001-021AMS	SampType: MS	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: HY-117-022720	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154712							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	15.7	1.00	20.00	0	78.4	6.11	189				
Chloromethane	17.7	2.00	20.00	0	88.4	23.9	203				
Vinyl chloride	17.2	0.200	20.00	0	86.0	53.4	152				
Bromomethane	23.5	1.00	20.00	0	117	29.7	169				
Trichlorofluoromethane (CFC-11)	19.4	1.00	20.00	0	97.1	76.7	132				
Chloroethane	17.7	1.00	20.00	0	88.6	62.5	149				
1,1-Dichloroethene	21.0	1.00	20.00	0	105	84.5	127				
Acetone	42.1	5.00	50.00	0	84.1	35.3	161				

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-021AMS	SampType: MS	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828
Client ID: HY-117-022720	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154712

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	15.7	1.00	20.00	0	78.3	79.9	125				S
trans-1,2-Dichloroethene	23.2	1.00	20.00	0	116	86.2	125				
1,1-Dichloroethane	20.8	1.00	20.00	0	104	78.4	131				
cis-1,2-Dichloroethene	25.0	1.00	20.00	3.994	105	84.5	124				
Chloroform	21.9	1.00	20.00	0	109	75.2	131				
1,1,1-Trichloroethane (TCA)	22.8	1.00	20.00	0	114	80.4	131				
1,1-Dichloropropene	21.7	1.00	20.00	0	109	84.2	129				
Carbon tetrachloride	23.1	1.00	20.00	0	115	81.3	130				
1,2-Dichloroethane (EDC)	19.5	1.00	20.00	0	97.5	74.8	130				
Trichloroethene (TCE)	22.7	0.500	20.00	2.284	102	82.7	128				
1,2-Dichloropropane	20.5	1.00	20.00	0	102	78.2	130				
Bromodichloromethane	20.9	1.00	20.00	0	105	75.2	130				
Dibromomethane	19.6	1.00	20.00	0	98.0	74.7	129				
cis-1,3-Dichloropropene	19.9	1.00	20.00	0	99.6	66.8	129				
trans-1,3-Dichloropropylene	19.7	1.00	20.00	0	98.4	62.6	132				
1,1,2-Trichloroethane	19.5	1.00	20.00	0	97.3	70.9	135				
1,3-Dichloropropane	19.5	1.00	20.00	0	97.5	70.5	132				
Tetrachloroethene (PCE)	20.4	1.00	20.00	0	102	83.2	128				
Dibromochloromethane	20.0	1.00	20.00	0	99.8	72.9	130				
1,2-Dibromoethane (EDB)	19.7	0.250	20.00	0	98.4	69.3	132				
Chlorobenzene	20.4	1.00	20.00	0	102	87.8	120				
1,1,1,2-Tetrachloroethane	20.8	1.00	20.00	0	104	86.1	119				
Bromoform	21.3	2.00	20.00	0	106	72.7	127				
1,1,2,2-Tetrachloroethane	21.7	1.00	20.00	0	108	72.6	133				
Bromobenzene	19.3	1.00	20.00	0	96.6	81.4	126				
2-Chlorotoluene	18.7	1.00	20.00	0	93.3	70.2	143				
4-Chlorotoluene	18.5	1.00	20.00	0	92.6	73.5	136				
1,2,3-Trichloropropane	21.2	1.00	20.00	0	106	62.4	136				
1,2,4-Trichlorobenzene	18.9	2.00	20.00	0	94.7	52.7	158				
1,3-Dichlorobenzene	20.4	1.00	20.00	0	102	86.9	124				
1,4-Dichlorobenzene	18.9	1.00	20.00	0	94.3	86.8	123				

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-021AMS	SampType: MS	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: HY-117-022720	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154712							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dichlorobenzene	18.9	1.00	20.00	0	94.6	85.5	126				
1,2-Dibromo-3-chloropropane	20.9	1.00	20.00	0	104	40.6	171				
Hexachloro-1,3-butadiene	19.5	4.00	20.00	0	97.7	65.1	145				
1,2,3-Trichlorobenzene	19.5	4.00	20.00	0	97.7	34	179				
Surr: Dibromofluoromethane	27.4		25.00		109	81.1	118				
Surr: Toluene-d8	24.4		25.00		97.6	85.7	113				
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.4	84.2	111				

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: 2003001-021AMSD	SampType: MSD	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828							
Client ID: HY-117-022720	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154713							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	15.9	1.00	20.00	0	79.3	6.11	189	15.68	1.23	30	
Chloromethane	18.9	2.00	20.00	0	94.4	23.9	203	17.68	6.54	30	
Vinyl chloride	16.9	0.200	20.00	0	84.5	53.4	152	17.19	1.75	30	
Bromomethane	20.5	1.00	20.00	0	102	29.7	169	23.49	13.8	30	
Trichlorofluoromethane (CFC-11)	18.6	1.00	20.00	0	93.0	76.7	132	19.42	4.35	30	
Chloroethane	17.2	1.00	20.00	0	85.8	62.5	149	17.73	3.24	30	
1,1-Dichloroethene	20.6	1.00	20.00	0	103	84.5	127	21.04	2.29	30	
Acetone	47.2	5.00	50.00	0	94.3	35.3	161	42.05	11.4	30	
Methylene chloride	15.3	1.00	20.00	0	76.5	79.9	125	15.67	2.33	30	S
trans-1,2-Dichloroethene	23.4	1.00	20.00	0	117	86.2	125	23.19	0.739	30	
1,1-Dichloroethane	20.7	1.00	20.00	0	104	78.4	131	20.76	0.212	30	
cis-1,2-Dichloroethene	25.8	1.00	20.00	3.994	109	84.5	124	25.02	3.25	30	
Chloroform	22.3	1.00	20.00	0	112	75.2	131	21.88	1.97	30	
1,1,1-Trichloroethane (TCA)	24.0	1.00	20.00	0	120	80.4	131	22.82	4.96	30	
1,1-Dichloropropene	23.1	1.00	20.00	0	116	84.2	129	21.75	6.07	30	
Carbon tetrachloride	24.4	1.00	20.00	0	122	81.3	130	23.07	5.39	30	
1,2-Dichloroethane (EDC)	21.3	1.00	20.00	0	107	74.8	130	19.50	8.87	30	

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-021AMSD	SampType: MSD	Units: µg/L	Prep Date: 3/5/2020	RunNo: 57828
Client ID: HY-117-022720	Batch ID: 27671		Analysis Date: 3/5/2020	SeqNo: 1154713

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	24.1	0.500	20.00	2.284	109	82.7	128	22.73	5.90	30	
1,2-Dichloropropane	21.6	1.00	20.00	0	108	78.2	130	20.49	5.25	30	
Bromodichloromethane	22.6	1.00	20.00	0	113	75.2	130	20.93	7.87	30	
Dibromomethane	20.7	1.00	20.00	0	103	74.7	129	19.59	5.42	30	
cis-1,3-Dichloropropene	22.0	1.00	20.00	0	110	66.8	129	19.91	9.77	30	
trans-1,3-Dichloropropylene	21.4	1.00	20.00	0	107	62.6	132	19.67	8.22	30	
1,1,2-Trichloroethane	20.6	1.00	20.00	0	103	70.9	135	19.47	5.71	30	
1,3-Dichloropropane	20.8	1.00	20.00	0	104	70.5	132	19.50	6.39	30	
Tetrachloroethene (PCE)	20.5	1.00	20.00	0	103	83.2	128	20.40	0.621	30	
Dibromochloromethane	22.0	1.00	20.00	0	110	72.9	130	19.95	9.60	30	
1,2-Dibromoethane (EDB)	21.1	0.250	20.00	0	105	69.3	132	19.68	6.88	30	
Chlorobenzene	20.1	1.00	20.00	0	100	87.8	120	20.41	1.74	30	
1,1,1,2-Tetrachloroethane	22.5	1.00	20.00	0	113	86.1	119	20.84	7.85	30	
Bromoform	22.4	2.00	20.00	0	112	72.7	127	21.30	5.04	30	
1,1,1,2,2-Tetrachloroethane	22.2	1.00	20.00	0	111	72.6	133	21.69	2.51	30	
Bromobenzene	18.8	1.00	20.00	0	94.1	81.4	126	19.31	2.53	30	
2-Chlorotoluene	18.6	1.00	20.00	0	92.9	70.2	143	18.66	0.397	30	
4-Chlorotoluene	18.6	1.00	20.00	0	93.2	73.5	136	18.51	0.703	30	
1,2,3-Trichloropropane	20.8	1.00	20.00	0	104	62.4	136	21.16	1.85	30	
1,2,4-Trichlorobenzene	20.1	2.00	20.00	0	101	52.7	158	18.95	5.95	30	
1,3-Dichlorobenzene	20.1	1.00	20.00	0	101	86.9	124	20.40	1.28	30	
1,4-Dichlorobenzene	19.0	1.00	20.00	0	94.8	86.8	123	18.87	0.537	30	
1,2-Dichlorobenzene	19.1	1.00	20.00	0	95.7	85.5	126	18.93	1.14	30	
1,2-Dibromo-3-chloropropane	21.8	1.00	20.00	0	109	40.6	171	20.87	4.27	30	
Hexachloro-1,3-butadiene	20.9	4.00	20.00	0	104	65.1	145	19.54	6.50	30	
1,2,3-Trichlorobenzene	20.9	4.00	20.00	0	105	34	179	19.53	6.79	30	
Surr: Dibromofluoromethane	28.2		25.00		113	81.1	118		0		
Surr: Toluene-d8	24.2		25.00		97.0	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	23.9		25.00		95.8	84.2	111		0		

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-27659	SampType: LCS	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: LCSW	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154791							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	19.7	1.00	20.00	0	98.7	14.5	175				
Chloromethane	21.5	2.00	20.00	0	107	44.8	153				
Vinyl chloride	19.3	0.200	20.00	0	96.6	64.1	131				
Bromomethane	19.0	1.00	20.00	0	95.0	34.2	171				
Trichlorofluoromethane (CFC-11)	19.9	1.00	20.00	0	99.7	77.4	121				
Chloroethane	19.9	1.00	20.00	0	99.3	73.3	123				
1,1-Dichloroethene	19.8	1.00	20.00	0	98.9	81.8	116				
Methylene chloride	19.3	1.00	20.00	0	96.5	80.4	116				
trans-1,2-Dichloroethene	19.8	1.00	20.00	0	98.9	83.1	115				
1,1-Dichloroethane	19.6	1.00	20.00	0	98.1	79.5	119				
cis-1,2-Dichloroethene	19.6	1.00	20.00	0	97.9	83.5	115				
Chloroform	19.6	1.00	20.00	0	98.1	81	117				
1,1,1-Trichloroethane (TCA)	20.0	1.00	20.00	0	99.9	82.8	116				
1,1-Dichloropropene	20.5	1.00	20.00	0	103	81.5	117				
Carbon tetrachloride	20.1	1.00	20.00	0	101	83.3	114				
1,2-Dichloroethane (EDC)	19.7	1.00	20.00	0	98.7	78.4	118				
Trichloroethene (TCE)	20.1	0.500	20.00	0	100	82.2	116				
1,2-Dichloropropane	19.2	1.00	20.00	0	96.2	78	120				
Bromodichloromethane	19.5	1.00	20.00	0	97.7	80.9	116				
Dibromomethane	19.4	1.00	20.00	0	96.8	80	117				
cis-1,3-Dichloropropene	19.9	1.00	20.00	0	99.5	79.8	118				
trans-1,3-Dichloropropylene	20.0	1.00	20.00	0	99.9	75.8	122				
1,1,2-Trichloroethane	19.1	1.00	20.00	0	95.7	77.8	120				
1,3-Dichloropropane	19.4	1.00	20.00	0	97.2	76.5	121				
Tetrachloroethene (PCE)	20.0	1.00	20.00	0	99.8	86.2	114				
Dibromochloromethane	19.3	1.00	20.00	0	96.6	78	117				
1,2-Dibromoethane (EDB)	19.2	0.250	20.00	0	95.9	76.8	120				
Chlorobenzene	19.5	1.00	20.00	0	97.7	85.2	112				
1,1,1,2-Tetrachloroethane	19.4	1.00	20.00	0	97.0	85.5	110				
Bromoform	18.8	2.00	20.00	0	94.0	73.4	119				
1,1,2,2-Tetrachloroethane	18.8	1.00	20.00	0	93.9	74.8	124				

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-27659	SampType: LCS	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: LCSW	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154791							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromobenzene	19.2	1.00	20.00	0	96.1	83.2	116				
2-Chlorotoluene	19.6	1.00	20.00	0	98.2	81.8	119				
4-Chlorotoluene	19.6	1.00	20.00	0	98.1	81.6	118				
1,2,3-Trichloropropane	19.5	1.00	20.00	0	97.4	73.2	126				
1,2,4-Trichlorobenzene	20.6	2.00	20.00	0	103	68.7	138				
1,3-Dichlorobenzene	20.4	1.00	20.00	0	102	90.7	114				
1,4-Dichlorobenzene	20.4	1.00	20.00	0	102	90.1	114				
1,2-Dichlorobenzene	20.1	1.00	20.00	0	101	90.1	115				
1,2-Dibromo-3-chloropropane	20.3	1.00	20.00	0	102	54.8	147				
Hexachloro-1,3-butadiene	20.8	4.00	20.00	0	104	73.6	134				
1,2,3-Trichlorobenzene	20.3	4.00	20.00	0	101	57.1	150				
Surr: Dibromofluoromethane	25.1		25.00		101	81.1	118				
Surr: Toluene-d8	25.0		25.00		99.9	85.7	113				
Surr: 1-Bromo-4-fluorobenzene	25.0		25.00		100	84.2	111				

Sample ID: LCS-27659	SampType: LCS	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: LCSW02	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154792							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	19.1	1.00	20.00	0	95.4	14.5	175	19.73	3.33	20	
Chloromethane	22.6	2.00	20.00	0	113	44.8	153	21.47	5.05	20	
Vinyl chloride	18.6	0.200	20.00	0	93.1	64.1	131	19.32	3.74	20	
Bromomethane	18.5	1.00	20.00	0	92.4	34.2	171	18.99	2.69	20	
Trichlorofluoromethane (CFC-11)	19.3	1.00	20.00	0	96.5	77.4	121	19.94	3.32	20	
Chloroethane	19.4	1.00	20.00	0	96.8	73.3	123	19.86	2.49	20	
1,1-Dichloroethene	19.2	1.00	20.00	0	96.2	81.8	116	19.78	2.77	20	
Methylene chloride	18.9	1.00	20.00	0	94.7	80.4	116	19.31	1.90	20	
trans-1,2-Dichloroethene	18.9	1.00	20.00	0	94.6	83.1	115	19.77	4.44	20	
1,1-Dichloroethane	19.1	1.00	20.00	0	95.7	79.5	119	19.61	2.49	20	
cis-1,2-Dichloroethene	19.1	1.00	20.00	0	95.3	83.5	115	19.57	2.66	20	

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS D-27659	SampType: LCS D	Units: µg/L				Prep Date: 3/4/2020	RunNo: 57826				
Client ID: LCSW02	Batch ID: 27659					Analysis Date: 3/5/2020	SeqNo: 1154792				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	19.3	1.00	20.00	0	96.3	81	117	19.62	1.82	20	
1,1,1-Trichloroethane (TCA)	19.4	1.00	20.00	0	97.0	82.8	116	19.99	2.98	20	
1,1-Dichloropropene	19.8	1.00	20.00	0	99.0	81.5	117	20.51	3.53	20	
Carbon tetrachloride	19.6	1.00	20.00	0	98.0	83.3	114	20.10	2.56	20	
1,2-Dichloroethane (EDC)	19.5	1.00	20.00	0	97.7	78.4	118	19.73	1.01	20	
Trichloroethene (TCE)	19.7	0.500	20.00	0	98.5	82.2	116	20.09	1.92	20	
1,2-Dichloropropane	19.1	1.00	20.00	0	95.7	78	120	19.24	0.555	20	
Bromodichloromethane	19.3	1.00	20.00	0	96.6	80.9	116	19.53	1.05	20	
Dibromomethane	19.3	1.00	20.00	0	96.4	80	117	19.35	0.422	20	
cis-1,3-Dichloropropene	19.5	1.00	20.00	0	97.3	79.8	118	19.90	2.17	20	
trans-1,3-Dichloropropylene	19.6	1.00	20.00	0	98.2	75.8	122	19.99	1.74	20	
1,1,2-Trichloroethane	19.1	1.00	20.00	0	95.4	77.8	120	19.15	0.360	20	
1,3-Dichloropropane	19.4	1.00	20.00	0	96.9	76.5	121	19.43	0.255	20	
Tetrachloroethene (PCE)	19.2	1.00	20.00	0	96.1	86.2	114	19.96	3.79	20	
Dibromochloromethane	19.3	1.00	20.00	0	96.4	78	117	19.33	0.220	20	
1,2-Dibromoethane (EDB)	19.1	0.250	20.00	0	95.4	76.8	120	19.18	0.514	20	
Chlorobenzene	19.2	1.00	20.00	0	96.0	85.2	112	19.54	1.70	20	
1,1,1,2-Tetrachloroethane	19.1	1.00	20.00	0	95.3	85.5	110	19.40	1.73	20	
Bromoform	18.8	2.00	20.00	0	93.9	73.4	119	18.81	0.104	20	
1,1,2,2-Tetrachloroethane	18.9	1.00	20.00	0	94.3	74.8	124	18.79	0.399	20	
Bromobenzene	19.0	1.00	20.00	0	95.1	83.2	116	19.21	1.03	20	
2-Chlorotoluene	19.3	1.00	20.00	0	96.6	81.8	119	19.65	1.73	20	
4-Chlorotoluene	19.2	1.00	20.00	0	95.9	81.6	118	19.62	2.28	20	
1,2,3-Trichloropropane	19.4	1.00	20.00	0	97.0	73.2	126	19.48	0.353	20	
1,2,4-Trichlorobenzene	20.2	2.00	20.00	0	101	68.7	138	20.55	1.62	20	
1,3-Dichlorobenzene	20.1	1.00	20.00	0	101	90.7	114	20.44	1.55	20	
1,4-Dichlorobenzene	20.1	1.00	20.00	0	101	90.1	114	20.37	1.27	20	
1,2-Dichlorobenzene	19.9	1.00	20.00	0	99.6	90.1	115	20.13	1.11	20	
1,2-Dibromo-3-chloropropane	20.9	1.00	20.00	0	104	54.8	147	20.34	2.51	20	
Hexachloro-1,3-butadiene	20.5	4.00	20.00	0	102	73.6	134	20.85	1.76	20	
1,2,3-Trichlorobenzene	19.9	4.00	20.00	0	99.7	57.1	150	20.30	1.75	20	

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCSD-27659	SampType: LCSD	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: LCSW02	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154792							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	25.1		25.00		101	81.1	118		0		
Surr: Toluene-d8	25.1		25.00		101	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	25.0		25.00		100	84.2	111		0		

Sample ID: MB-27659	SampType: MBLK	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: MBLKW	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154793							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00									Q
Chloromethane	ND	0.789									MDL
Vinyl chloride	ND	0.200									
Bromomethane	ND	0.500									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	0.500									
1,1-Dichloroethene	ND	0.500									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	0.500									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	0.500									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	0.534									MDL
1,2-Dichloroethane (EDC)	ND	0.500									
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									

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-27659	SampType: MBLK	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: MBLKW	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154793							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,2-Trichloroethane	ND	0.500									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.500									
Dibromochloromethane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.200									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.500									
Bromoform	ND	0.858									MDL
1,1,1,2,2-Tetrachloroethane	ND	0.500									
Bromobenzene	ND	0.500									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
1,2,3-Trichloropropane	ND	2.00									
1,2,4-Trichlorobenzene	ND	1.00									
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	2.00									
1,2,3-Trichlorobenzene	ND	0.500									
Surr: Dibromofluoromethane	24.8		25.00		99.1	81.1	118				
Surr: Toluene-d8	25.2		25.00		101	85.7	113				
Surr: 1-Bromo-4-fluorobenzene	24.7		25.00		98.8	84.2	111				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
 MDL - Analyte reported to Method Detection Limit (MDL)



Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-002ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: HY-1i-022620	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154764							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	Q
Chloromethane	ND	0.789						0		30	MDL
Vinyl chloride	0.709	0.200						0.6988	1.51	30	
Bromomethane	ND	0.500						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	0.500						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
1,1-Dichloroethane	0.811	0.500						0.8173	0.822	30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.500						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.534						0		30	MDL
1,2-Dichloroethane (EDC)	ND	0.500						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	
1,1,2-Trichloroethane	ND	0.500						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.500						0		30	
Dibromochloromethane	ND	0.500						0		30	
1,2-Dibromoethane (EDB)	ND	0.200						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.500						0		30	
Bromoform	ND	0.858						0		30	MDL
1,1,2,2-Tetrachloroethane	ND	0.500						0		30	

Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-002ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: HY-1i-022620	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154764							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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	2.00						0		30	
1,2,4-Trichlorobenzene	ND	1.00						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	2.00						0		30	
1,2,3-Trichlorobenzene	ND	0.500						0		30	
Surr: Dibromofluoromethane	24.7		25.00		98.7	81.1	118		0		
Surr: Toluene-d8	25.3		25.00		101	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	24.7		25.00		98.8	84.2	111		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
 MDL - Analyte reported to Method Detection Limit (MDL)

Sample ID: 2003001-012ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: HYCP-2d-022720	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154777							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	Q
Chloromethane	ND	0.789						0		30	MDL
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	0.500						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	0.500						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	



Work Order: 2003001
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-012ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: HYCP-2d-022720	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154777							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.500						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.534						0		30	MDL
1,2-Dichloroethane (EDC)	ND	0.500						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	
1,1,2-Trichloroethane	ND	0.500						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.500						0		30	
Dibromochloromethane	ND	0.500						0		30	
1,2-Dibromoethane (EDB)	ND	0.200						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.500						0		30	
Bromoform	ND	0.858						0		30	MDL
1,1,2,2-Tetrachloroethane	ND	0.500						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	2.00						0		30	
1,2,4-Trichlorobenzene	ND	1.00						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	

Work Order: 2003001
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003001-012ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/4/2020	RunNo: 57826							
Client ID: HYCP-2d-022720	Batch ID: 27659		Analysis Date: 3/5/2020	SeqNo: 1154777							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexachloro-1,3-butadiene	ND	2.00						0		30	
1,2,3-Trichlorobenzene	ND	0.500						0		30	
Surr: Dibromofluoromethane	25.5		25.00		102	81.1	118		0		
Surr: Toluene-d8	25.8		25.00		103	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	24.5		25.00		98.2	84.2	111		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
 MDL - Analyte reported to Method Detection Limit (MDL)

Client Name: PES	Work Order Number: 2003001
Logged by: Carissa True	Date Received: 2/28/2020 6:30:00 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 Required
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
- Please refer to item information.
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

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

Person Notified:	<input type="text" value="Bill Haldeman"/>	Date:	<input type="text" value="3/2/2020"/>
By Whom:	<input type="text" value="Carissa True"/>	Via:	<input checked="" type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text" value="Additional sample not on COC"/>		
Client Instructions:	<input type="text" value="Add to COC. see edits"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler 1	5.1
Sample 1	6.9
Temp Blank 1	6.3

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



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

Chain of Custody Record & Laboratory Services Agreement

Date: 28 Feb 2020 Page: 1 of 4 Laboratory Project No (Internal): 2003001

Project Name: 13513 Project No: 827.001.45.003

Collected by: Ben Hecht

Location: Kent WA

Report To (PM): Bill Holdman

PM Email: BHALDENAN@PSES.COM

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

Client: ABS Environ mental
Address: On File
City, State, Zip: _____
Telephone: _____
Fax: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GY/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	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 (801)	Comments
1 MW-101-022620	2-26-20	0830	GW	X													
2 HY-1i-022620		0915															
3 HY-1s-022620		0930															
4 HYCP-7i-022620		1040															
5 HYCP-7s-022620		1055															
6 HYCP-2-022620		1145															
7 GS-022620		1225															
8 Gi-022620		1235															
9 HY-12i-022620		1340															
10 Hi-022620		1345															

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SI = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MICA-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 Tl U V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

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

Relinquished BA Date/Time 2-28-20 @ 1830 Received SA Date/Time 18:30 2/28/20
 Relinquished X Date/Time _____ Received X Date/Time _____



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

Chain of Custody Record & Laboratory Services Agreement

Date: 18 Feb 2020 Page: 4 of 4

Project Name: ISS/SB

Project No: 827.001.46.001

Collected by: Ben Hecht

Location: Kent WA

Report To (PM): Brent Holdman

PM Email: BHALDENM@PES.BW.COM

Laboratory Project No (Internal): 2003061

Client: PES ENV/ROM/BIU/THL
Address: On file
City, State, Zip:
Telephone:
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)	Comments
1 HY CP-74-022820	2-28-20	1455	GW	X													
2 HY-112-022820		1605	GW	X													
3 TB-022820		1825	Hg	X													
4 HY-107-022720	2-27-20	0930	GW	X													
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SI = 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 Tl U V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

Relinquished: [Signature] Date/Time: 2-28-20 @ 18:30
 Received: [Signature] Date/Time: 2/28/20 18:30
 Relinquished: [Signature] Date/Time: [Blank]
 Received: [Signature] Date/Time: [Blank]



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

Chain of Custody Record & Laboratory Services Agreement

Date: 18 Feb 2020 Page: 4 of 4
Project Name: BSS/B
Project No: 827.001.46.001

Laboratory Project No (Internal): 2003001
Special Remarks:

Client: PDS ENVIRONMENTAL
Address: On file

City, State, Zip:

Telephone:

Fax:

Collected by: Ben Hecht
Location: Kent WA
Report To (PM): BSHADENAW@PDS ENV.COM
PM Email:

Sample Disposal: Return to client Disposal by lab (after 30 days)
Add per B.H. 3/2 by cet

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GYBTEX	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 HY CP-74-022820	2-28-20	1455	GW	X														
2 HY-112-022820		1605	GW	X														
3 TB-022820		1825	Aq	X														
4 HY-104-022720	2-27-20	0930	GW	X														
5 HCRP-2i-022620	2-26-20	11:50	GW	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 U V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

Relinquished Received
 Date/Time: 2-28-20 @ 18:30
 Date/Time: 2/28/20 18:30

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



PES Environmental, Inc.

Bill Haldeman
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: BSB

Work Order Number: 2003030

March 10, 2020

Attention Bill Haldeman:

Fremont Analytical, Inc. received 16 sample(s) on 3/3/2020 for the analyses presented in the following report.

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

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

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

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: PES Environmental, Inc.
Project: BSB
Work Order: 2003030

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2003030-001	HY-121-030220	03/02/2020 3:00 PM	03/03/2020 3:20 PM
2003030-002	HY-120-030220	03/02/2020 3:15 PM	03/03/2020 3:20 PM
2003030-003	HY-119-030220	03/02/2020 3:40 PM	03/03/2020 3:20 PM
2003030-004	HYCP-3i-030220	03/02/2020 4:30 PM	03/03/2020 3:20 PM
2003030-005	HY-11s-030320	03/03/2020 9:10 AM	03/03/2020 3:20 PM
2003030-006	HY-109-030320	03/03/2020 9:15 AM	03/03/2020 3:20 PM
2003030-007	HY-11i-030320	03/03/2020 9:35 AM	03/03/2020 3:20 PM
2003030-008	HY-126-030320	03/03/2020 10:10 AM	03/03/2020 3:20 PM
2003030-009	HYCP-7d-030320	03/03/2020 10:37 AM	03/03/2020 3:20 PM
2003030-010	DW-5-030320	03/03/2020 11:07 AM	03/03/2020 3:20 PM
2003030-011	HY-112-030320	03/03/2020 11:25 AM	03/03/2020 3:20 PM
2003030-012	HY-102-030320	03/03/2020 12:10 PM	03/03/2020 3:20 PM
2003030-013	HY-106-030320	03/03/2020 12:15 PM	03/03/2020 3:20 PM
2003030-014	DW-1a-030320	03/03/2020 12:52 PM	03/03/2020 3:20 PM
2003030-015	HY-13i-030320	03/03/2020 1:00 PM	03/03/2020 3:20 PM
2003030-016	TB-030320	03/03/2020 2:00 PM	03/03/2020 3:20 PM

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 (<20%RSD, <20% Drift or minimum RRF)
- 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
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:00:00 PM

Project: BSB

Lab ID: 2003030-001

Matrix: Groundwater

Client Sample ID: HY-121-030220

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 7:32:26 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 7:32:26 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 7:32:26 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 7:32:26 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 7:32:26 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 7:32:26 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 7:32:26 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 7:32:26 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:00:00 PM

Project: BSB

Lab ID: 2003030-001

Matrix: Groundwater

Client Sample ID: HY-121-030220

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 7:32:26 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 7:32:26 PM
Surr: Dibromofluoromethane	100	81.1 - 118		%Rec	1	3/6/2020 7:32:26 PM
Surr: Toluene-d8	97.9	85.7 - 113		%Rec	1	3/6/2020 7:32:26 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	84.2 - 111		%Rec	1	3/6/2020 7:32:26 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:15:00 PM

Project: BSB

Lab ID: 2003030-002

Matrix: Groundwater

Client Sample ID: HY-120-030220

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 8:34:04 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 8:34:04 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 8:34:04 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 8:34:04 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 8:34:04 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 8:34:04 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 8:34:04 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 8:34:04 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:15:00 PM

Project: BSB

Lab ID: 2003030-002

Matrix: Groundwater

Client Sample ID: HY-120-030220

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 8:34:04 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 8:34:04 PM
Surr: Dibromofluoromethane	99.9	81.1 - 118		%Rec	1	3/6/2020 8:34:04 PM
Surr: Toluene-d8	97.0	85.7 - 113		%Rec	1	3/6/2020 8:34:04 PM
Surr: 1-Bromo-4-fluorobenzene	97.4	84.2 - 111		%Rec	1	3/6/2020 8:34:04 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Analytical Report

Work Order: 2003030
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:40:00 PM

Project: BSB

Lab ID: 2003030-003

Matrix: Groundwater

Client Sample ID: HY-119-030220

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 9:04:50 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 9:04:50 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 9:04:50 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 9:04:50 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 9:04:50 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 9:04:50 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 9:04:50 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 9:04:50 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:40:00 PM

Project: BSB

Lab ID: 2003030-003

Matrix: Groundwater

Client Sample ID: HY-119-030220

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 9:04:50 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 9:04:50 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 9:04:50 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/6/2020 9:04:50 PM
Surr: Toluene-d8	98.1	85.7 - 113		%Rec	1	3/6/2020 9:04:50 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	84.2 - 111		%Rec	1	3/6/2020 9:04:50 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 4:30:00 PM

Project: BSB

Lab ID: 2003030-004

Matrix: Groundwater

Client Sample ID: HYCP-3i-030220

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Chloromethane	ND	15.8	DMDL	µg/L	20	3/7/2020 7:50:55 AM
Vinyl chloride	6,330	200	D	µg/L	1000	3/7/2020 3:44:47 AM
Bromomethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Trichlorofluoromethane (CFC-11)	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Chloroethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,1-Dichloroethene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Methylene chloride	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
trans-1,2-Dichloroethene	66.1	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,1-Dichloroethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
cis-1,2-Dichloroethene	16,300	500	D	µg/L	1000	3/7/2020 3:44:47 AM
Chloroform	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,1,1-Trichloroethane (TCA)	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,1-Dichloropropene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Carbon tetrachloride	ND	10.7	DMDL	µg/L	20	3/7/2020 7:50:55 AM
1,2-Dichloroethane (EDC)	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Trichloroethene (TCE)	75.2	10.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,2-Dichloropropane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Bromodichloromethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Dibromomethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
cis-1,3-Dichloropropene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
trans-1,3-Dichloropropylene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,1,2-Trichloroethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,3-Dichloropropane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Tetrachloroethene (PCE)	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Dibromochloromethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,2-Dibromoethane (EDB)	ND	5.00	D	µg/L	20	3/7/2020 7:50:55 AM
Chlorobenzene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,1,1,2-Tetrachloroethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Bromoform	ND	17.2	DMDL	µg/L	20	3/7/2020 7:50:55 AM
1,1,2,2-Tetrachloroethane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Bromobenzene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
2-Chlorotoluene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
4-Chlorotoluene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,2,3-Trichloropropane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,2,4-Trichlorobenzene	ND	40.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,3-Dichlorobenzene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,4-Dichlorobenzene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,2-Dichlorobenzene	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 4:30:00 PM

Project: BSB

Lab ID: 2003030-004

Matrix: Groundwater

Client Sample ID: HYCP-3i-030220

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	20.0	D	µg/L	20	3/7/2020 7:50:55 AM
Hexachloro-1,3-butadiene	ND	80.0	D	µg/L	20	3/7/2020 7:50:55 AM
1,2,3-Trichlorobenzene	ND	80.0	D	µg/L	20	3/7/2020 7:50:55 AM
Surr: Dibromofluoromethane	96.7	81.1 - 118	D	%Rec	20	3/7/2020 7:50:55 AM
Surr: Toluene-d8	94.8	85.7 - 113	D	%Rec	20	3/7/2020 7:50:55 AM
Surr: 1-Bromo-4-fluorobenzene	94.9	84.2 - 111	D	%Rec	20	3/7/2020 7:50:55 AM

NOTES:

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:10:00 AM

Project: BSB

Lab ID: 2003030-005

Matrix: Groundwater

Client Sample ID: HY-11s-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 9:35:38 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 9:35:38 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 9:35:38 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 9:35:38 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 9:35:38 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 9:35:38 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 9:35:38 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 9:35:38 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:10:00 AM

Project: BSB

Lab ID: 2003030-005

Matrix: Groundwater

Client Sample ID: HY-11s-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 9:35:38 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 9:35:38 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/6/2020 9:35:38 PM
Surr: Toluene-d8	97.6	85.7 - 113		%Rec	1	3/6/2020 9:35:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	84.2 - 111		%Rec	1	3/6/2020 9:35:38 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:15:00 AM

Project: BSB

Lab ID: 2003030-006

Matrix: Groundwater

Client Sample ID: HY-109-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 10:06:23 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 10:06:23 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 10:06:23 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 10:06:23 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 10:06:23 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 10:06:23 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 10:06:23 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 10:06:23 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:15:00 AM

Project: BSB

Lab ID: 2003030-006

Matrix: Groundwater

Client Sample ID: HY-109-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 10:06:23 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 10:06:23 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/6/2020 10:06:23 PM
Surr: Toluene-d8	98.9	85.7 - 113		%Rec	1	3/6/2020 10:06:23 PM
Surr: 1-Bromo-4-fluorobenzene	96.6	84.2 - 111		%Rec	1	3/6/2020 10:06:23 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:35:00 AM

Project: BSB

Lab ID: 2003030-007

Matrix: Groundwater

Client Sample ID: HY-11i-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 10:37:05 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 10:37:05 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 10:37:05 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 10:37:05 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 10:37:05 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 10:37:05 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 10:37:05 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 10:37:05 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:35:00 AM

Project: BSB

Lab ID: 2003030-007

Matrix: Groundwater

Client Sample ID: HY-11i-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 10:37:05 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 10:37:05 PM
Surr: Dibromofluoromethane	100	81.1 - 118		%Rec	1	3/6/2020 10:37:05 PM
Surr: Toluene-d8	97.4	85.7 - 113		%Rec	1	3/6/2020 10:37:05 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	84.2 - 111		%Rec	1	3/6/2020 10:37:05 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 10:10:00 AM

Project: BSB

Lab ID: 2003030-008

Matrix: Groundwater

Client Sample ID: HY-126-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 11:07:52 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 11:07:52 PM
Vinyl chloride	0.535	0.200		µg/L	1	3/6/2020 11:07:52 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 11:07:52 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 11:07:52 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 11:07:52 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 11:07:52 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 11:07:52 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 10:10:00 AM

Project: BSB

Lab ID: 2003030-008

Matrix: Groundwater

Client Sample ID: HY-126-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 11:07:52 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 11:07:52 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/6/2020 11:07:52 PM
Surr: Toluene-d8	98.6	85.7 - 113		%Rec	1	3/6/2020 11:07:52 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	84.2 - 111		%Rec	1	3/6/2020 11:07:52 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 11:07:00 AM

Project: BSB

Lab ID: 2003030-010

Matrix: Groundwater

Client Sample ID: DW-5-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Chloromethane	ND	3.94	DMDL	µg/L	5	3/7/2020 7:20:09 AM
Vinyl chloride	1,730	100	D	µg/L	500	3/7/2020 4:46:21 AM
Bromomethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Trichlorofluoromethane (CFC-11)	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Chloroethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,1-Dichloroethene	5.16	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Methylene chloride	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
trans-1,2-Dichloroethene	10.7	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,1-Dichloroethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
cis-1,2-Dichloroethene	5,540	250	D	µg/L	500	3/7/2020 4:46:21 AM
Chloroform	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,1,1-Trichloroethane (TCA)	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,1-Dichloropropene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Carbon tetrachloride	ND	2.67	DMDL	µg/L	5	3/7/2020 7:20:09 AM
1,2-Dichloroethane (EDC)	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Trichloroethene (TCE)	ND	2.50	D	µg/L	5	3/7/2020 7:20:09 AM
1,2-Dichloropropane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Bromodichloromethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Dibromomethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
cis-1,3-Dichloropropene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
trans-1,3-Dichloropropylene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,1,2-Trichloroethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,3-Dichloropropane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Tetrachloroethene (PCE)	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Dibromochloromethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,2-Dibromoethane (EDB)	ND	1.25	D	µg/L	5	3/7/2020 7:20:09 AM
Chlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,1,1,2-Tetrachloroethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Bromoform	ND	4.29	DMDL	µg/L	5	3/7/2020 7:20:09 AM
1,1,2,2-Tetrachloroethane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Bromobenzene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
2-Chlorotoluene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
4-Chlorotoluene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,2,3-Trichloropropane	56.3	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,2,4-Trichlorobenzene	ND	10.0	D	µg/L	5	3/7/2020 7:20:09 AM
1,3-Dichlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,4-Dichlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
1,2-Dichlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 11:07:00 AM

Project: BSB

Lab ID: 2003030-010

Matrix: Groundwater

Client Sample ID: DW-5-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	5.00	D	µg/L	5	3/7/2020 7:20:09 AM
Hexachloro-1,3-butadiene	ND	20.0	D	µg/L	5	3/7/2020 7:20:09 AM
1,2,3-Trichlorobenzene	ND	20.0	D	µg/L	5	3/7/2020 7:20:09 AM
Surr: Dibromofluoromethane	97.4	81.1 - 118	D	%Rec	5	3/7/2020 7:20:09 AM
Surr: Toluene-d8	95.4	85.7 - 113	D	%Rec	5	3/7/2020 7:20:09 AM
Surr: 1-Bromo-4-fluorobenzene	94.8	84.2 - 111	D	%Rec	5	3/7/2020 7:20:09 AM

NOTES:

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:10:00 PM

Project: BSB

Lab ID: 2003030-012

Matrix: Groundwater

Client Sample ID: HY-102-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 11:38:38 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 11:38:38 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 11:38:38 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 11:38:38 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 11:38:38 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 11:38:38 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 11:38:38 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 11:38:38 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM



Analytical Report

Work Order: 2003030
 Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:10:00 PM

Project: BSB

Lab ID: 2003030-012

Matrix: Groundwater

Client Sample ID: HY-102-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 11:38:38 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 11:38:38 PM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/6/2020 11:38:38 PM
Surr: Toluene-d8	98.3	85.7 - 113		%Rec	1	3/6/2020 11:38:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.6	84.2 - 111		%Rec	1	3/6/2020 11:38:38 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:15:00 PM

Project: BSB

Lab ID: 2003030-013

Matrix: Groundwater

Client Sample ID: HY-106-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Chloromethane	ND	0.789	MDL	µg/L	1	3/7/2020 8:52:28 AM
Vinyl chloride	126	10.0	D	µg/L	50	3/7/2020 5:47:49 AM
Bromomethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Chloroethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,1-Dichloroethene	1.74	1.00		µg/L	1	3/7/2020 8:52:28 AM
Methylene chloride	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
trans-1,2-Dichloroethene	35.0	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
cis-1,2-Dichloroethene	1,250	25.0	D	µg/L	50	3/7/2020 5:47:49 AM
Chloroform	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/7/2020 8:52:28 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Trichloroethene (TCE)	8.59	0.500		µg/L	1	3/7/2020 8:52:28 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Dibromomethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/7/2020 8:52:28 AM
Chlorobenzene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Bromoform	ND	0.858	MDL	µg/L	1	3/7/2020 8:52:28 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Bromobenzene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/7/2020 8:52:28 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:15:00 PM

Project: BSB

Lab ID: 2003030-013

Matrix: Groundwater

Client Sample ID: HY-106-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/7/2020 8:52:28 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/7/2020 8:52:28 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/7/2020 8:52:28 AM
Surr: Dibromofluoromethane	99.6	81.1 - 118		%Rec	1	3/7/2020 8:52:28 AM
Surr: Toluene-d8	95.3	85.7 - 113		%Rec	1	3/7/2020 8:52:28 AM
Surr: 1-Bromo-4-fluorobenzene	95.7	84.2 - 111		%Rec	1	3/7/2020 8:52:28 AM

NOTES:

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:52:00 PM

Project: BSB

Lab ID: 2003030-014

Matrix: Groundwater

Client Sample ID: DW-1a-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Chloromethane	ND	3.94	DMDL	µg/L	5	3/7/2020 6:18:35 AM
Vinyl chloride	1,050	20.0	D	µg/L	100	3/7/2020 5:17:03 AM
Bromomethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Trichlorofluoromethane (CFC-11)	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Chloroethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,1-Dichloroethene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Methylene chloride	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
trans-1,2-Dichloroethene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,1-Dichloroethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
cis-1,2-Dichloroethene	42.4	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Chloroform	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,1,1-Trichloroethane (TCA)	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,1-Dichloropropene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Carbon tetrachloride	ND	2.67	DMDL	µg/L	5	3/7/2020 6:18:35 AM
1,2-Dichloroethane (EDC)	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Trichloroethene (TCE)	ND	2.50	D	µg/L	5	3/7/2020 6:18:35 AM
1,2-Dichloropropane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Bromodichloromethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Dibromomethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
cis-1,3-Dichloropropene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
trans-1,3-Dichloropropylene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,1,2-Trichloroethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,3-Dichloropropane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Tetrachloroethene (PCE)	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Dibromochloromethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,2-Dibromoethane (EDB)	ND	1.25	D	µg/L	5	3/7/2020 6:18:35 AM
Chlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,1,1,2-Tetrachloroethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Bromoform	ND	4.29	DMDL	µg/L	5	3/7/2020 6:18:35 AM
1,1,2,2-Tetrachloroethane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Bromobenzene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
2-Chlorotoluene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
4-Chlorotoluene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,2,3-Trichloropropane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,2,4-Trichlorobenzene	ND	10.0	D	µg/L	5	3/7/2020 6:18:35 AM
1,3-Dichlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,4-Dichlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
1,2-Dichlorobenzene	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:52:00 PM

Project: BSB

Lab ID: 2003030-014

Matrix: Groundwater

Client Sample ID: DW-1a-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	5.00	D	µg/L	5	3/7/2020 6:18:35 AM
Hexachloro-1,3-butadiene	ND	20.0	D	µg/L	5	3/7/2020 6:18:35 AM
1,2,3-Trichlorobenzene	ND	20.0	D	µg/L	5	3/7/2020 6:18:35 AM
Surr: Dibromofluoromethane	97.9	81.1 - 118	D	%Rec	5	3/7/2020 6:18:35 AM
Surr: Toluene-d8	96.0	85.7 - 113	D	%Rec	5	3/7/2020 6:18:35 AM
Surr: 1-Bromo-4-fluorobenzene	96.0	84.2 - 111	D	%Rec	5	3/7/2020 6:18:35 AM

NOTES:

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 1:00:00 PM

Project: BSB

Lab ID: 2003030-015

Matrix: Groundwater

Client Sample ID: HY-13i-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Chloromethane	ND	7.89	DMDL	µg/L	10	3/7/2020 6:49:21 AM
Vinyl chloride	1,080	100	D	µg/L	500	3/7/2020 4:15:33 AM
Bromomethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Trichlorofluoromethane (CFC-11)	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Chloroethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,1-Dichloroethene	53.9	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Methylene chloride	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
trans-1,2-Dichloroethene	137	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,1-Dichloroethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
cis-1,2-Dichloroethene	7,520	250	D	µg/L	500	3/7/2020 4:15:33 AM
Chloroform	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,1,1-Trichloroethane (TCA)	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,1-Dichloropropene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Carbon tetrachloride	ND	5.34	DMDL	µg/L	10	3/7/2020 6:49:21 AM
1,2-Dichloroethane (EDC)	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Trichloroethene (TCE)	434	250	D	µg/L	500	3/7/2020 4:15:33 AM
1,2-Dichloropropane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Bromodichloromethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Dibromomethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
cis-1,3-Dichloropropene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
trans-1,3-Dichloropropylene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,1,2-Trichloroethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,3-Dichloropropane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Tetrachloroethene (PCE)	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Dibromochloromethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,2-Dibromoethane (EDB)	ND	2.50	D	µg/L	10	3/7/2020 6:49:21 AM
Chlorobenzene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,1,1,2-Tetrachloroethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Bromoform	ND	8.58	DMDL	µg/L	10	3/7/2020 6:49:21 AM
1,1,2,2-Tetrachloroethane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Bromobenzene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
2-Chlorotoluene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
4-Chlorotoluene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,2,3-Trichloropropane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,2,4-Trichlorobenzene	ND	20.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,3-Dichlorobenzene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,4-Dichlorobenzene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,2-Dichlorobenzene	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 1:00:00 PM

Project: BSB

Lab ID: 2003030-015

Matrix: Groundwater

Client Sample ID: HY-13i-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	10.0	D	µg/L	10	3/7/2020 6:49:21 AM
Hexachloro-1,3-butadiene	ND	40.0	D	µg/L	10	3/7/2020 6:49:21 AM
1,2,3-Trichlorobenzene	ND	40.0	D	µg/L	10	3/7/2020 6:49:21 AM
Surr: Dibromofluoromethane	97.7	81.1 - 118	D	%Rec	10	3/7/2020 6:49:21 AM
Surr: Toluene-d8	95.2	85.7 - 113	D	%Rec	10	3/7/2020 6:49:21 AM
Surr: 1-Bromo-4-fluorobenzene	95.8	84.2 - 111	D	%Rec	10	3/7/2020 6:49:21 AM

NOTES:

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 2:00:00 PM

Project: BSB

Lab ID: 2003030-016

Matrix: Groundwater

Client Sample ID: TB-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	3/6/2020 7:01:34 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/6/2020 7:01:34 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 7:01:34 PM
Bromomethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Chloroethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Methylene chloride	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Chloroform	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/6/2020 7:01:34 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/6/2020 7:01:34 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Bromodichloromethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Dibromomethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Dibromochloromethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	3/6/2020 7:01:34 PM
Chlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/6/2020 7:01:34 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Bromobenzene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
2-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
4-Chlorotoluene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/6/2020 7:01:34 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 2:00:00 PM

Project: BSB

Lab ID: 2003030-016

Matrix: Groundwater

Client Sample ID: TB-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 7:01:34 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 7:01:34 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 7:01:34 PM
Surr: Dibromofluoromethane	99.6	81.1 - 118		%Rec	1	3/6/2020 7:01:34 PM
Surr: Toluene-d8	98.3	85.7 - 113		%Rec	1	3/6/2020 7:01:34 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	84.2 - 111		%Rec	1	3/6/2020 7:01:34 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)

Work Order: 2003030
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-27686	SampType: LCS	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: LCSW	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155883							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	12.6	1.00	20.00	0	62.8	14.5	175				
Chloromethane	15.5	2.00	20.00	0	77.4	44.8	153				
Vinyl chloride	16.3	0.200	20.00	0	81.6	64.1	131				
Bromomethane	17.6	1.00	20.00	0	88.1	34.2	171				
Trichlorofluoromethane (CFC-11)	19.0	1.00	20.00	0	94.9	77.4	121				
Chloroethane	17.4	1.00	20.00	0	87.2	73.3	123				
1,1-Dichloroethene	18.5	1.00	20.00	0	92.3	81.8	116				
Methylene chloride	18.4	1.00	20.00	0	92.2	80.4	116				
trans-1,2-Dichloroethene	19.0	1.00	20.00	0	95.0	83.1	115				
1,1-Dichloroethane	18.7	1.00	20.00	0	93.4	79.5	119				
cis-1,2-Dichloroethene	19.1	1.00	20.00	0	95.6	83.5	115				
Chloroform	19.1	1.00	20.00	0	95.7	81	117				
1,1,1-Trichloroethane (TCA)	18.6	1.00	20.00	0	93.0	82.8	116				
1,1-Dichloropropene	19.0	1.00	20.00	0	95.0	81.5	117				
Carbon tetrachloride	18.3	1.00	20.00	0	91.5	83.3	114				
1,2-Dichloroethane (EDC)	18.4	1.00	20.00	0	91.8	78.4	118				
Trichloroethene (TCE)	19.2	0.500	20.00	0	96.0	82.2	116				
1,2-Dichloropropane	18.7	1.00	20.00	0	93.3	78	120				
Bromodichloromethane	18.3	1.00	20.00	0	91.7	80.9	116				
Dibromomethane	18.5	1.00	20.00	0	92.3	80	117				
cis-1,3-Dichloropropene	17.7	1.00	20.00	0	88.5	79.8	118				
trans-1,3-Dichloropropylene	16.8	1.00	20.00	0	83.9	75.8	122				
1,1,2-Trichloroethane	18.6	1.00	20.00	0	92.8	77.8	120				
1,3-Dichloropropane	18.5	1.00	20.00	0	92.6	76.5	121				
Tetrachloroethene (PCE)	19.4	1.00	20.00	0	97.1	86.2	114				
Dibromochloromethane	17.5	1.00	20.00	0	87.6	78	117				
1,2-Dibromoethane (EDB)	18.3	0.250	20.00	0	91.6	76.8	120				
Chlorobenzene	19.2	1.00	20.00	0	96.0	85.2	112				
1,1,1,2-Tetrachloroethane	18.4	1.00	20.00	0	92.0	85.5	110				
Bromoform	18.4	2.00	20.00	0	92.0	73.4	119				
1,1,2,2-Tetrachloroethane	18.1	1.00	20.00	0	90.7	74.8	124				

Work Order: 2003030
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-27686	SampType: LCS	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: LCSW	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155883							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromobenzene	19.2	1.00	20.00	0	95.8	83.2	116				
2-Chlorotoluene	19.4	1.00	20.00	0	97.0	81.8	119				
4-Chlorotoluene	19.3	1.00	20.00	0	96.3	81.6	118				
1,2,3-Trichloropropane	17.7	1.00	20.00	0	88.3	73.2	126				
1,2,4-Trichlorobenzene	20.0	2.00	20.00	0	100	68.7	138				
1,3-Dichlorobenzene	19.9	1.00	20.00	0	99.3	90.7	114				
1,4-Dichlorobenzene	19.8	1.00	20.00	0	99.0	90.1	114				
1,2-Dichlorobenzene	19.6	1.00	20.00	0	97.8	90.1	115				
1,2-Dibromo-3-chloropropane	17.9	1.00	20.00	0	89.5	54.8	147				
Hexachloro-1,3-butadiene	20.4	4.00	20.00	0	102	73.6	134				
1,2,3-Trichlorobenzene	19.6	4.00	20.00	0	98.1	57.1	150				
Surr: Dibromofluoromethane	25.7		25.00		103	81.1	118				
Surr: Toluene-d8	24.9		25.00		99.7	85.7	113				
Surr: 1-Bromo-4-fluorobenzene	25.2		25.00		101	84.2	111				

Sample ID: LCS-27686	SampType: LCS	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: LCSW02	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155884							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	13.4	1.00	20.00	0	66.9	14.5	175	12.56	6.33	20	
Chloromethane	16.5	2.00	20.00	0	82.6	44.8	153	15.48	6.46	20	
Vinyl chloride	17.1	0.200	20.00	0	85.3	64.1	131	16.32	4.42	20	
Bromomethane	18.9	1.00	20.00	0	94.7	34.2	171	17.62	7.17	20	
Trichlorofluoromethane (CFC-11)	20.1	1.00	20.00	0	101	77.4	121	18.97	5.97	20	
Chloroethane	17.9	1.00	20.00	0	89.7	73.3	123	17.44	2.87	20	
1,1-Dichloroethene	19.4	1.00	20.00	0	97.1	81.8	116	18.47	5.05	20	
Methylene chloride	19.5	1.00	20.00	0	97.4	80.4	116	18.44	5.51	20	
trans-1,2-Dichloroethene	20.1	1.00	20.00	0	100	83.1	115	18.99	5.61	20	
1,1-Dichloroethane	19.8	1.00	20.00	0	98.9	79.5	119	18.67	5.76	20	
cis-1,2-Dichloroethene	20.1	1.00	20.00	0	100	83.5	115	19.12	4.91	20	

Work Order: 2003030
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS D-27686	SampType: LCS D	Units: µg/L				Prep Date: 3/6/2020	RunNo: 57886				
Client ID: LCSW02	Batch ID: 27686					Analysis Date: 3/6/2020	SeqNo: 1155884				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	20.1	1.00	20.00	0	100	81	117	19.14	4.79	20	
1,1,1-Trichloroethane (TCA)	19.6	1.00	20.00	0	98.0	82.8	116	18.59	5.28	20	
1,1-Dichloropropene	19.9	1.00	20.00	0	99.3	81.5	117	19.01	4.39	20	
Carbon tetrachloride	19.4	1.00	20.00	0	96.8	83.3	114	18.30	5.62	20	
1,2-Dichloroethane (EDC)	19.8	1.00	20.00	0	98.9	78.4	118	18.36	7.43	20	
Trichloroethene (TCE)	20.2	0.500	20.00	0	101	82.2	116	19.19	5.00	20	
1,2-Dichloropropane	19.9	1.00	20.00	0	99.5	78	120	18.66	6.46	20	
Bromodichloromethane	19.6	1.00	20.00	0	98.1	80.9	116	18.34	6.76	20	
Dibromomethane	20.0	1.00	20.00	0	100	80	117	18.46	7.99	20	
cis-1,3-Dichloropropene	19.1	1.00	20.00	0	95.4	79.8	118	17.70	7.45	20	
trans-1,3-Dichloropropylene	18.3	1.00	20.00	0	91.5	75.8	122	16.79	8.63	20	
1,1,2-Trichloroethane	20.2	1.00	20.00	0	101	77.8	120	18.57	8.22	20	
1,3-Dichloropropane	20.0	1.00	20.00	0	100	76.5	121	18.52	7.86	20	
Tetrachloroethene (PCE)	20.6	1.00	20.00	0	103	86.2	114	19.43	5.82	20	
Dibromochloromethane	18.8	1.00	20.00	0	93.8	78	117	17.51	6.90	20	
1,2-Dibromoethane (EDB)	19.7	0.250	20.00	0	98.5	76.8	120	18.33	7.23	20	
Chlorobenzene	20.1	1.00	20.00	0	101	85.2	112	19.19	4.83	20	
1,1,1,2-Tetrachloroethane	19.2	1.00	20.00	0	95.8	85.5	110	18.41	3.96	20	
Bromoform	19.4	2.00	20.00	0	96.8	73.4	119	18.40	5.12	20	
1,1,2,2-Tetrachloroethane	19.8	1.00	20.00	0	99.1	74.8	124	18.14	8.79	20	
Bromobenzene	20.2	1.00	20.00	0	101	83.2	116	19.16	5.16	20	
2-Chlorotoluene	20.2	1.00	20.00	0	101	81.8	119	19.39	3.92	20	
4-Chlorotoluene	20.2	1.00	20.00	0	101	81.6	118	19.27	4.70	20	
1,2,3-Trichloropropane	19.6	1.00	20.00	0	98.1	73.2	126	17.66	10.5	20	
1,2,4-Trichlorobenzene	21.6	2.00	20.00	0	108	68.7	138	20.04	7.63	20	
1,3-Dichlorobenzene	20.9	1.00	20.00	0	105	90.7	114	19.86	5.15	20	
1,4-Dichlorobenzene	20.9	1.00	20.00	0	105	90.1	114	19.80	5.47	20	
1,2-Dichlorobenzene	20.8	1.00	20.00	0	104	90.1	115	19.56	6.03	20	
1,2-Dibromo-3-chloropropane	19.2	1.00	20.00	0	95.8	54.8	147	17.89	6.83	20	
Hexachloro-1,3-butadiene	21.4	4.00	20.00	0	107	73.6	134	20.43	4.61	20	
1,2,3-Trichlorobenzene	21.5	4.00	20.00	0	107	57.1	150	19.63	8.94	20	

Work Order: 2003030
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCSD-27686	SampType: LCSD	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: LCSW02	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155884							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	25.9		25.00		103	81.1	118		0		
Surr: Toluene-d8	25.0		25.00		99.8	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		101	84.2	111		0		

Sample ID: MB-27686	SampType: MBLK	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: MBLKW	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155885							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00									Q
Chloromethane	ND	0.789									MDL
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
1,1-Dichloroethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	0.534									MDL
1,2-Dichloroethane (EDC)	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
trans-1,3-Dichloropropylene	ND	1.00									

Work Order: 2003030
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-27686	SampType: MBLK	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: MBLKW	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155885							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.250									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Bromoform	ND	0.858									MDL
1,1,1,2,2-Tetrachloroethane	ND	1.00									
Bromobenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
Hexachloro-1,3-butadiene	ND	4.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	24.8		25.00		99.1	81.1	118				
Surr: Toluene-d8	24.6		25.00		98.4	85.7	113				
Surr: 1-Bromo-4-fluorobenzene	24.4		25.00		97.6	84.2	111				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
 MDL - Analyte reported to Method Detection Limit (MDL)

Work Order: 2003030
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003030-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: HY-121-030220	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155850							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	Q
Chloromethane	ND	0.789						0		30	MDL
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	0.534						0		30	MDL
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Bromoform	ND	0.858						0		30	MDL
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	

Work Order: 2003030
 CLIENT: PES Environmental, Inc.
 Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003030-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: HY-121-030220	Batch ID: 27686		Analysis Date: 3/6/2020	SeqNo: 1155850							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromobenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	4.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	25.0		25.00		99.9	81.1	118		0		
Surr: Toluene-d8	24.4		25.00		97.7	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	24.2		25.00		96.9	84.2	111		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
 MDL - Analyte reported to Method Detection Limit (MDL)

Sample ID: 2003047-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: BATCH	Batch ID: 27686		Analysis Date: 3/9/2020	SeqNo: 1155877							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	2.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	

Work Order: 2003030
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003047-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: BATCH	Batch ID: 27686		Analysis Date: 3/9/2020	SeqNo: 1155877							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethane	ND	1.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Bromoform	ND	2.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	

Work Order: 2003030
CLIENT: PES Environmental, Inc.
Project: BSB

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2003047-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/6/2020	RunNo: 57886							
Client ID: BATCH	Batch ID: 27686		Analysis Date: 3/9/2020	SeqNo: 1155877							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	4.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	24.7		25.00		98.7	81.1	118		0		
Surr: Toluene-d8	24.0		25.00		95.9	85.7	113		0		
Surr: 1-Bromo-4-fluorobenzene	24.2		25.00		96.8	84.2	111		0		

Client Name: PES	Work Order Number: 2003030
Logged by: Carissa True	Date Received: 3/3/2020 3:20:00 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 Required
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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler 1	4.6
Sample 1	5.2

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



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

Chain of Custody Record & Laboratory Services Agreement

Date: 3/3/2020 Page: 1 of 2
Project Name: BSG

Project No: 827,001,46,001

Collected by: HRC/BLH

Location: Kent, WA

Report To (PM): Bill Haldeman

PM Email: BHALDEMAN@PESENV.COM

Laboratory Project No (Internal): 206 3030

Special Remarks:

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

Client: PES Environmental
Address: 1215 4th Ave #1350
City, State, Zip: Seattle WA 98161
Telephone: (206) 529-3980
Fax: (206) 529-3985

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	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 HY-121-030220	3-2-20	1500	GW	X	X	X	X	X	X	X	X	X	X	X	X	X	
2 HY-120-030220		1515		X	X	X	X	X	X	X	X	X	X	X	X	X	
3 HY-119-030220		1540		X	X	X	X	X	X	X	X	X	X	X	X	X	
4 HYCP-32-030220		1630		X	X	X	X	X	X	X	X	X	X	X	X	X	
5 HY-115-030320	3-3-20	0910		X	X	X	X	X	X	X	X	X	X	X	X	X	
6 HY-109-030320		0915		X	X	X	X	X	X	X	X	X	X	X	X	X	
7 HY-112-030320		0935		X	X	X	X	X	X	X	X	X	X	X	X	X	
8 HY-126-030320		1010		X	X	X	X	X	X	X	X	X	X	X	X	X	
9 HYCP-32-030320		1037		X	X	X	X	X	X	X	X	X	X	X	X	X	
10 DW-S-030320		1107		X	X	X	X	X	X	X	X	X	X	X	X	X	

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 Tl U V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

Retrieved Date/Time: 3-3-20 @ 1520
 Received Date/Time: 3/3/20 @ 1520
 Turn-around Time: Standard 3 Day 2 Day Next Day Same Day (specify)



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

Chain of Custody Record & Laboratory Services Agreement

Date: 3/3/2020 Page: 2 of 2

Laboratory Project No (Internal): 2003030

Client: PBS Environmental

Project Name: BSRS

Special Remarks:

Address: On File

Project No: 827.001.46.001

Collected by: BLH/HRL

City, State, Zip:

Location: Keat WA

Report to (PM): B371 Holdeman

Telephone:

PM Email: B.HLD@PBSENV.COM

Fax:

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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Analytes													Comments	
				VOCs (EPA 8260 / 624)	GV/BTEX	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 (C)***	EDB (8011)		
1 HR-112-030320	3-3-20	1125	GW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	QA/QC
2 HR-102-030320		1210		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3 HR-106-030320		1215		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4 DW-Ja-030320		1252		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5 HR-130-030320		1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6 TB-030320		1400	AQ	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
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 U V Zn
Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

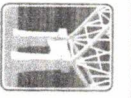
I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished AK Date/Time 3-3-20 @ 1520

Received Emuel Date/Time 3/3/20 @ 1520

Reinquired X

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



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: 3/3/2020 Page: 1 of 2

Project Name: BSG

Project No: 827,001,46,001

Collected by: HRC/BLH

Location: Kent, WA

Report To (PM): Bill Haldeman

PM Email: BHALDEMAN@PESENV.COM

Laboratory Project No (Internal): 2003030

Special Remarks:

Edits by CER 3/4 per BRN H.

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

Client: PES Environmental
Address: 1815 4th Ave #1350
City, State, Zip: Seattle, WA 98161
Telephone: (206) 529-3980
Fax: (206) 529-3985

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GV/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HClD)	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 HY-121-030220	3-2-20	1500	GW	X													
2 HY-120-030220		1515		X													
3 HY-119-030220		1540		X													
4 HYCP-32-030220		1630		X													
5 HY-115-030320	3-3-20	0910		X													
6 HY-109-030320		0915		X													
7 HY-112-030320		0935		X													
8 HY-126-030320		1010		X													
9 HYCP-31-030320		1037		X													
10 DW-S-030320		1107		X													

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): MICA-5 RCA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Sr Sn Tl U V Zn

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

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

Relinquished: *[Signature]* Date/Time: 3-3-20 @ 1520

Received: *[Signature]* Date/Time: 3/3/20 @ 1520

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



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

Chain of Custody Record & Laboratory Services Agreement

Date: 3/3/2020 Page: 2 of 2

Project Name: 1358B

Project No: 827.001.46.001

Collected by: BLM/HRC

Location: Keat WA

Report To (PM): B.J. Halderman

PM Email: BHALDERMAN@PESBW.COM

Laboratory Project No (Internal): 2003030

Special Remarks:

Edits by CET-3/4 per Ben H.

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)*	Analytes													Comments	
				VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DRO)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (C)***	EDB (8011)		
1 HV-112-030320	3-3-20	1125	GW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	QA/QC Do Not Run
2 HV-102-030320		1210		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3 HV-106-030320		1215		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4 DW-1a-030320		1252		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5 HV-130-030320		1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6 TB-030320		1400	AQ	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
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): MICA-5 RGRA-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 Tl U V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

Relinquished Date/Time: 3-3-20 @ 15:20 Received Date/Time: 3/3/20 @ 15:20
 Relinquished Date/Time: Received Date/Time:
 Turn-around Time: Standard 3 Day 2 Day Next Day Same Day (specify)

MEMORANDUM

TO: Project File **DATE:** March 17, 2020
FROM: Jessie Compeau
SUBJECT: Laboratory Data Validation Review
PROJECT: BSB Property – Shallow and Deep Aquifer Cleanup Action
PROJECT #: 827.001.45.005 and 827.001.46.002
TASK: EIM Data Validation Level EPA2A for February 2020 - Groundwater Samples
LAB: Fremont Work Order Number 2003001

Thirty-four (34) groundwater samples (including three field duplicates) and one (1) trip blank were collected February 26-28, 2020 as part of a shallow and deep aquifer cleanup action at the BSB Diversified Facility in Kent, Washington. The samples were analyzed for volatile organic compounds (VOCs) using USEPA Method 8260D. Laboratory analyses were conducted by Fremont Analytical (Fremont) of Seattle, Washington, under Fremont Work Order Number 2003001. 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, 2017).

DATA VALIDATION

Completeness

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

- Sample HYCP-2d-022720 was included in the sample shipment to the laboratory but was not listed on the chain of custody. Per PES's March 2, 2020 communication the sample was added to the chain of custody and analyzed as requested.

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 in one cooler and hand-delivered to the analytical laboratory. The laboratory reported that the coolers were received at cooler temperatures of 5.1 degrees Centigrade (°C). Sample temperatures of 6.9°C were

recorded and are slightly above 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:

- Analytical Batch 27659: CCV criteria are not met for one compound (dichlorodifluoromethane (CFC-12)) and Fremont qualified associated results (Q). **Associated groundwater sample results for this compound are estimated (J/UJ) because CCV acceptance criteria are not met.**
- Analytical Batch 27671: CCV criteria are not met for two compounds (CFC-12 and bromomethane) 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 blanks are included with the analytical batches per method requirement. The target analytes are not detected in the method blanks 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-022820) 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 pairs are as follows:

- Samples HY-1i-022620 and MW-101-022620;
- Samples HY-122-022720 and MW-102-022720; and

- Samples HY-111-022720 and MW-103-022720

Field duplicates were submitted and analyzed with the sample group. VOC target analyte results are comparable and within 30 relative percent difference (RPD).

Laboratory Duplicate Analyses

Laboratory duplicate samples were performed on client samples HY-111-022720, HY-1i-022620, HYCP-2d-022720, and on a non-client sample within the analytical batches. The primary/duplicate RPDs were within the laboratory control limit of 30%. Duplicate data are acceptable.

Surrogate Recoveries

The surrogate recovery results for the samples, duplicates, laboratory control samples, matrix spike samples, trip blank, and the method blank are within the laboratory surrogate control limits for all analyses with the following exceptions:

- Sample HY-114-022820 Surrogate dibromofluoromethane recovery is above laboratory acceptance criteria. **Sample HY-114-022820 detected results are estimated and qualified (J+) due to elevated surrogate recovery.**

Laboratory Control Samples

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed by USEPA Method 8260D. In one case, only an LCS was analyzed. For precision data refer to laboratory duplicate or field duplicate results. The LCS or LCS/LCSD %R's and RPDs for the target compounds are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

Matrix spike and matrix spike duplicate (MS/MSD) analysis was performed on a client samples within the analytical batch. The MS/MSD %Rs and RPDs for the all target compounds were within the laboratory control criteria for water with the following discussions:

- Analytical batch 27671: Spike was performed on client sample HY-117-022720 with MS/MSD recoveries below lab criteria for methylene chloride. **Methylene chloride result for sample HY-117-022720 is estimated and qualified as estimated (UJ).**

Quantitation Limits

Selected targets compounds (chloromethane, carbon tetrachloride, and bromoform) were reported to the method detection limit (MDL). No action was taken other than to note that the associated method blank was also reported to the MDL for these compounds.

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, 2017)

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.



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 8:30:00 AM

Project: BSB

Lab ID: 2003001-001

Matrix: Groundwater

Client Sample ID: MW-101-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 3:48:09 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 3:48:09 PM
Vinyl chloride	0.687	0.200		µg/L	1	3/5/2020 3:48:09 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1-Dichloroethane	0.787	0.500		µg/L	1	3/5/2020 3:48:09 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 3:48:09 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 3:48:09 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 3:48:09 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 3:48:09 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 8:30:00 AM

Project: BSB

Lab ID: 2003001-001

Matrix: Groundwater

Client Sample ID: MW-101-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 3:48:09 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 3:48:09 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:48:09 PM
Surr: Dibromofluoromethane	98.7	81.1 - 118		%Rec	1	3/5/2020 3:48:09 PM
Surr: Toluene-d8	101	85.7 - 113		%Rec	1	3/5/2020 3:48:09 PM
Surr: 1-Bromo-4-fluorobenzene	98.5	84.2 - 111		%Rec	1	3/5/2020 3:48:09 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 9:15:00 AM

Project: BSB

Lab ID: 2003001-002

Matrix: Groundwater

Client Sample ID: HY-1i-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 4:18:26 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 4:18:26 PM
Vinyl chloride	0.699		0.200		µg/L	1	3/5/2020 4:18:26 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 4:18:26 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1-Dichloroethane	0.817		0.500		µg/L	1	3/5/2020 4:18:26 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 4:18:26 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 4:18:26 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 4:18:26 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 4:18:26 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 4:18:26 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 4:18:26 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:18:26 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 9:15:00 AM

Project: BSB

Lab ID: 2003001-002

Matrix: Groundwater

Client Sample ID: HY-1i-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 4:18:26 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 4:18:26 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:18:26 PM
Surr: Dibromofluoromethane	98.8	81.1 - 118		%Rec	1	3/5/2020 4:18:26 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 4:18:26 PM
Surr: 1-Bromo-4-fluorobenzene	98.8	84.2 - 111		%Rec	1	3/5/2020 4:18:26 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 9:30:00 AM

Project: BSB

Lab ID: 2003001-003

Matrix: Groundwater

Client Sample ID: HY-1s-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 5:18:50 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 5:18:50 PM
Vinyl chloride	11.2	0.200		µg/L	1	3/5/2020 5:18:50 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
cis-1,2-Dichloroethene	1.37	0.500		µg/L	1	3/5/2020 5:18:50 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 5:18:50 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 5:18:50 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 5:18:50 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 5:18:50 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM



Client: PES Environmental, Inc.
Project: BSB
Lab ID: 2003001-003
Client Sample ID: HY-1s-022620

Collection Date: 2/26/2020 9:30:00 AM
Matrix: Groundwater

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

Batch ID: 27659 Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 5:18:50 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 5:18:50 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:18:50 PM
Surr: Dibromofluoromethane	100	81.1 - 118		%Rec	1	3/5/2020 5:18:50 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 5:18:50 PM
Surr: 1-Bromo-4-fluorobenzene	98.9	84.2 - 111		%Rec	1	3/5/2020 5:18:50 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:40:00 AM

Project: BSB

Lab ID: 2003001-004

Matrix: Groundwater

Client Sample ID: HYCP-7i-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 5:49:00 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 5:49:00 PM
Vinyl chloride	0.367		0.200		µg/L	1	3/5/2020 5:49:00 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 5:49:00 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 5:49:00 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 5:49:00 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 5:49:00 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 5:49:00 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 5:49:00 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 5:49:00 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 5:49:00 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:40:00 AM

Project: BSB

Lab ID: 2003001-004

Matrix: Groundwater

Client Sample ID: HYCP-7i-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 5:49:00 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 5:49:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 5:49:00 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 5:49:00 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 5:49:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.2	84.2 - 111		%Rec	1	3/5/2020 5:49:00 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Analytical Report

Work Order: 2003001
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:55:00 AM

Project: BSB

Lab ID: 2003001-005

Matrix: Groundwater

Client Sample ID: HYCP-7s-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 6:19:13 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 6:19:13 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 6:19:13 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 6:19:13 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 6:19:13 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 6:19:13 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 6:19:13 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 6:19:13 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 6:19:13 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 6:19:13 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 6:19:13 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 10:55:00 AM

Project: BSB

Lab ID: 2003001-005

Matrix: Groundwater

Client Sample ID: HYCP-7s-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 6:19:13 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 6:19:13 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:19:13 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 6:19:13 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 6:19:13 PM
Surr: 1-Bromo-4-fluorobenzene	98.9	84.2 - 111		%Rec	1	3/5/2020 6:19:13 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-006

Matrix: Groundwater

Client Sample ID: HYCP-2-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ 1.00	Q	µg/L	1	3/5/2020 6:49:24 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 6:49:24 PM
Vinyl chloride	2.56	0.200		µg/L	1	3/5/2020 6:49:24 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
cis-1,2-Dichloroethene	1.01	0.500		µg/L	1	3/5/2020 6:49:24 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 6:49:24 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 6:49:24 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 6:49:24 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 6:49:24 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-006

Matrix: Groundwater

Client Sample ID: HYCP-2-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 6:49:24 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 6:49:24 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 6:49:24 PM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/5/2020 6:49:24 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 6:49:24 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	84.2 - 111		%Rec	1	3/5/2020 6:49:24 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:25:00 PM

Project: BSB

Lab ID: 2003001-007

Matrix: Groundwater

Client Sample ID: Gs-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 7:19:36 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 7:19:36 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 7:19:36 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 7:19:36 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 7:19:36 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 7:19:36 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 7:19:36 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:25:00 PM

Project: BSB

Lab ID: 2003001-007

Matrix: Groundwater

Client Sample ID: Gs-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 7:19:36 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 7:19:36 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:19:36 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 7:19:36 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 7:19:36 PM
Surr: 1-Bromo-4-fluorobenzene	98.7	84.2 - 111		%Rec	1	3/5/2020 7:19:36 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:35:00 PM

Project: BSB

Lab ID: 2003001-008

Matrix: Groundwater

Client Sample ID: Gi-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 7:49:52 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 7:49:52 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 7:49:52 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 7:49:52 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 7:49:52 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 7:49:52 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 7:49:52 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 7:49:52 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 7:49:52 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 7:49:52 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 7:49:52 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 12:35:00 PM

Project: BSB

Lab ID: 2003001-008

Matrix: Groundwater

Client Sample ID: Gi-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 7:49:52 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 7:49:52 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 7:49:52 PM
Surr: Dibromofluoromethane	103	81.1 - 118		%Rec	1	3/5/2020 7:49:52 PM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/5/2020 7:49:52 PM
Surr: 1-Bromo-4-fluorobenzene	98.0	84.2 - 111		%Rec	1	3/5/2020 7:49:52 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-009

Matrix: Groundwater

Client Sample ID: HY-12i-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	50.0	DQ	µg/L	50	3/6/2020 3:54:58 AM
Chloromethane	ND		39.4	DMDL	µg/L	50	3/6/2020 3:54:58 AM
Vinyl chloride	45,100	1,000		D	µg/L	5000	3/6/2020 2:54:09 AM
Bromomethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Trichlorofluoromethane (CFC-11)	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Chloroethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,1-Dichloroethene	504	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Methylene chloride	ND	50.0		D	µg/L	50	3/6/2020 3:54:58 AM
trans-1,2-Dichloroethene	3,450	250		D	µg/L	500	3/6/2020 3:24:31 AM
1,1-Dichloroethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
cis-1,2-Dichloroethene	108,000	2,500		D	µg/L	5000	3/6/2020 2:54:09 AM
Chloroform	ND	50.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,1,1-Trichloroethane (TCA)	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,1-Dichloropropene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Carbon tetrachloride	ND	26.7		DMDL	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dichloroethane (EDC)	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Trichloroethene (TCE)	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dichloropropane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Bromodichloromethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Dibromomethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
cis-1,3-Dichloropropene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
trans-1,3-Dichloropropylene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,1,2-Trichloroethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,3-Dichloropropane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Tetrachloroethene (PCE)	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Dibromochloromethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dibromoethane (EDB)	ND	10.0		D	µg/L	50	3/6/2020 3:54:58 AM
Chlorobenzene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,1,1,2-Tetrachloroethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Bromoform	ND	42.9		DMDL	µg/L	50	3/6/2020 3:54:58 AM
1,1,2,2-Tetrachloroethane	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
Bromobenzene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
2-Chlorotoluene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
4-Chlorotoluene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,2,3-Trichloropropane	ND	100		D	µg/L	50	3/6/2020 3:54:58 AM
1,2,4-Trichlorobenzene	ND	50.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,3-Dichlorobenzene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,4-Dichlorobenzene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM
1,2-Dichlorobenzene	ND	25.0		D	µg/L	50	3/6/2020 3:54:58 AM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-009

Matrix: Groundwater

Client Sample ID: HY-12i-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	50.0	D	µg/L	50	3/6/2020 3:54:58 AM
Hexachloro-1,3-butadiene	ND	100	D	µg/L	50	3/6/2020 3:54:58 AM
1,2,3-Trichlorobenzene	ND	25.0	D	µg/L	50	3/6/2020 3:54:58 AM
Surr: Dibromofluoromethane	104	81.1 - 118	D	%Rec	50	3/6/2020 3:54:58 AM
Surr: Toluene-d8	98.7	85.7 - 113	D	%Rec	50	3/6/2020 3:54:58 AM
Surr: 1-Bromo-4-fluorobenzene	94.6	84.2 - 111	D	%Rec	50	3/6/2020 3:54:58 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Diluted due to matrix.

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:45:00 PM

Project: BSB

Lab ID: 2003001-010

Matrix: Groundwater

Client Sample ID: Hi-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 8:20:02 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:20:02 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:20:02 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:20:02 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:20:02 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:20:02 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:20:02 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 1:45:00 PM

Project: BSB

Lab ID: 2003001-010

Matrix: Groundwater

Client Sample ID: Hi-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:20:02 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:20:02 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:20:02 PM
Surr: Dibromofluoromethane	103	81.1 - 118		%Rec	1	3/5/2020 8:20:02 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 8:20:02 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	84.2 - 111		%Rec	1	3/5/2020 8:20:02 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-011

Matrix: Groundwater

Client Sample ID: Hs-022620

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 8:50:21 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:50:21 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:50:21 PM
Bromomethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:50:21 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:50:21 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:50:21 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:50:21 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-011

Matrix: Groundwater

Client Sample ID: Hs-022620

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:50:21 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:50:21 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:50:21 PM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/5/2020 8:50:21 PM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/5/2020 8:50:21 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	84.2 - 111		%Rec	1	3/5/2020 8:50:21 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:45:00 AM

Project: BSB

Lab ID: 2003001-012

Matrix: Groundwater

Client Sample ID: HYCP-2d-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 9:20:37 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 9:20:37 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 9:20:37 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 9:20:37 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 9:20:37 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 9:20:37 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 9:20:37 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 9:20:37 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 9:20:37 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 9:20:37 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:20:37 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:45:00 AM

Project: BSB

Lab ID: 2003001-012

Matrix: Groundwater

Client Sample ID: HYCP-2d-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 9:20:37 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 9:20:37 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:20:37 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/5/2020 9:20:37 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 9:20:37 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	84.2 - 111		%Rec	1	3/5/2020 9:20:37 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:50:00 AM

Project: BSB

Lab ID: 2003001-013

Matrix: Groundwater

Client Sample ID: MW-102-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 10:21:16 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 10:21:16 PM
Vinyl chloride	5.77		0.200		µg/L	1	3/5/2020 10:21:16 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 10:21:16 PM
trans-1,2-Dichloroethene	0.642		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
cis-1,2-Dichloroethene	2.70		0.500		µg/L	1	3/5/2020 10:21:16 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 10:21:16 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 10:21:16 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 10:21:16 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 10:21:16 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 10:21:16 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 10:21:16 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:21:16 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 8:50:00 AM

Project: BSB

Lab ID: 2003001-013

Matrix: Groundwater

Client Sample ID: MW-102-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:21:16 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:21:16 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:21:16 PM
Surr: Dibromofluoromethane	105	81.1 - 118		%Rec	1	3/5/2020 10:21:16 PM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/5/2020 10:21:16 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	84.2 - 111		%Rec	1	3/5/2020 10:21:16 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:25:00 AM

Project: BSB

Lab ID: 2003001-014

Matrix: Groundwater

Client Sample ID: HY-123-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 5:26:12 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 5:26:12 AM
Vinyl chloride	465		10.0	D	µg/L	50	3/6/2020 1:53:26 AM
Bromomethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1-Dichloroethene	0.678		0.500		µg/L	1	3/6/2020 5:26:12 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 5:26:12 AM
trans-1,2-Dichloroethene	1.72		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
cis-1,2-Dichloroethene	391		25.0	D	µg/L	50	3/6/2020 1:53:26 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 5:26:12 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 5:26:12 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 5:26:12 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 5:26:12 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 5:26:12 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 5:26:12 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 5:26:12 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:25:00 AM

Project: BSB

Lab ID: 2003001-014

Matrix: Groundwater

Client Sample ID: HY-123-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 5:26:12 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 5:26:12 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 5:26:12 AM
Surr: Dibromofluoromethane	106	81.1 - 118		%Rec	1	3/6/2020 5:26:12 AM
Surr: Toluene-d8	100	85.7 - 113		%Rec	1	3/6/2020 5:26:12 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	84.2 - 111		%Rec	1	3/6/2020 5:26:12 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:10:00 AM

Project: BSB

Lab ID: 2003001-015

Matrix: Groundwater

Client Sample ID: HY-122-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 10:51:32 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 10:51:32 PM
Vinyl chloride	6.10		0.200		µg/L	1	3/5/2020 10:51:32 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 10:51:32 PM
trans-1,2-Dichloroethene	0.673		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
cis-1,2-Dichloroethene	2.83		0.500		µg/L	1	3/5/2020 10:51:32 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 10:51:32 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 10:51:32 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 10:51:32 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 10:51:32 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 10:51:32 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 10:51:32 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:51:32 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:10:00 AM

Project: BSB

Lab ID: 2003001-015

Matrix: Groundwater

Client Sample ID: HY-122-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:51:32 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:51:32 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:51:32 PM
Surr: Dibromofluoromethane	105	81.1 - 118		%Rec	1	3/5/2020 10:51:32 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 10:51:32 PM
Surr: 1-Bromo-4-fluorobenzene	96.9	84.2 - 111		%Rec	1	3/5/2020 10:51:32 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:30:00 AM

Project: BSB

Lab ID: 2003001-016

Matrix: Groundwater

Client Sample ID: Gd-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 11:21:49 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 11:21:49 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 11:21:49 PM
Bromomethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 11:21:49 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 11:21:49 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 11:21:49 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 11:21:49 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 11:21:49 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 11:21:49 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 11:21:49 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 11:21:49 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 10:30:00 AM

Project: BSB

Lab ID: 2003001-016

Matrix: Groundwater

Client Sample ID: Gd-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 11:21:49 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 11:21:49 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 11:21:49 PM
Surr: Dibromofluoromethane	104	81.1 - 118		%Rec	1	3/5/2020 11:21:49 PM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/5/2020 11:21:49 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	84.2 - 111		%Rec	1	3/5/2020 11:21:49 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:10:00 AM

Project: BSB

Lab ID: 2003001-017

Matrix: Groundwater

Client Sample ID: HY-105-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 12:22:31 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 12:22:31 AM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 12:22:31 AM
Bromomethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 12:22:31 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 12:22:31 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 12:22:31 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Trichloroethene (TCE)	0.579		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 12:22:31 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 12:22:31 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 12:22:31 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 12:22:31 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:22:31 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:10:00 AM

Project: BSB

Lab ID: 2003001-017

Matrix: Groundwater

Client Sample ID: HY-105-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 12:22:31 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 12:22:31 AM
1,2,3-Trichlorobenzene	0.612	0.500		µg/L	1	3/6/2020 12:22:31 AM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/6/2020 12:22:31 AM
Surr: Toluene-d8	102	85.7 - 113		%Rec	1	3/6/2020 12:22:31 AM
Surr: 1-Bromo-4-fluorobenzene	98.0	84.2 - 111		%Rec	1	3/6/2020 12:22:31 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:40:00 AM

Project: BSB

Lab ID: 2003001-018

Matrix: Groundwater

Client Sample ID: HY-108-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 4:55:51 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 4:55:51 AM
Vinyl chloride	70.2		2.00	D	µg/L	10	3/6/2020 2:23:48 AM
Bromomethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 4:55:51 AM
trans-1,2-Dichloroethene	0.800		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
cis-1,2-Dichloroethene	8.56		0.500		µg/L	1	3/6/2020 4:55:51 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 4:55:51 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 4:55:51 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 4:55:51 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 4:55:51 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 4:55:51 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 4:55:51 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 4:55:51 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:40:00 AM

Project: BSB

Lab ID: 2003001-018

Matrix: Groundwater

Client Sample ID: HY-108-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 4:55:51 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 4:55:51 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 4:55:51 AM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/6/2020 4:55:51 AM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/6/2020 4:55:51 AM
Surr: 1-Bromo-4-fluorobenzene	97.3	84.2 - 111		%Rec	1	3/6/2020 4:55:51 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-019

Matrix: Groundwater

Client Sample ID: HY-101-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 12:52:48 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 12:52:48 AM
Vinyl chloride	0.224		0.200		µg/L	1	3/6/2020 12:52:48 AM
Bromomethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 12:52:48 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 12:52:48 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 12:52:48 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 12:52:48 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 12:52:48 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 12:52:48 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 12:52:48 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 12:52:48 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 11:45:00 AM

Project: BSB

Lab ID: 2003001-019

Matrix: Groundwater

Client Sample ID: HY-101-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 12:52:48 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 12:52:48 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 12:52:48 AM
Surr: Dibromofluoromethane	104	81.1 - 118		%Rec	1	3/6/2020 12:52:48 AM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/6/2020 12:52:48 AM
Surr: 1-Bromo-4-fluorobenzene	95.1	84.2 - 111		%Rec	1	3/6/2020 12:52:48 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 12:30:00 PM

Project: BSB

Lab ID: 2003001-020

Matrix: Groundwater

Client Sample ID: HY-118-022720

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

Batch ID: 27659

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 1:23:04 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 1:23:04 AM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 1:23:04 AM
Bromomethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 1:23:04 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 1:23:04 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 1:23:04 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 1:23:04 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 1:23:04 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 1:23:04 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 1:23:04 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 1:23:04 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 12:30:00 PM

Project: BSB

Lab ID: 2003001-020

Matrix: Groundwater

Client Sample ID: HY-118-022720

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

Batch ID: 27659

Analyst: CR

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 1:23:04 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 1:23:04 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 1:23:04 AM
Surr: Dibromofluoromethane	104	81.1 - 118		%Rec	1	3/6/2020 1:23:04 AM
Surr: Toluene-d8	103	85.7 - 113		%Rec	1	3/6/2020 1:23:04 AM
Surr: 1-Bromo-4-fluorobenzene	98.6	84.2 - 111		%Rec	1	3/6/2020 1:23:04 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:10:00 PM

Project: BSB

Lab ID: 2003001-021

Matrix: Groundwater

Client Sample ID: HY-117-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 2:25:21 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 2:25:21 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 2:25:21 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 2:25:21 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Methylene chloride	ND	UJ	1.00		µg/L	1	3/5/2020 2:25:21 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
cis-1,2-Dichloroethene	3.99		0.500		µg/L	1	3/5/2020 2:25:21 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 2:25:21 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 2:25:21 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Trichloroethene (TCE)	2.28		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 2:25:21 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 2:25:21 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 2:25:21 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 2:25:21 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:25:21 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:10:00 PM

Project: BSB

Lab ID: 2003001-021

Matrix: Groundwater

Client Sample ID: HY-117-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 2:25:21 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 2:25:21 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:25:21 PM
Surr: Dibromofluoromethane	108	81.1 - 118		%Rec	1	3/5/2020 2:25:21 PM
Surr: Toluene-d8	96.5	85.7 - 113		%Rec	1	3/5/2020 2:25:21 PM
Surr: 1-Bromo-4-fluorobenzene	91.9	84.2 - 111		%Rec	1	3/5/2020 2:25:21 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-022

Matrix: Groundwater

Client Sample ID: HY-110-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 2:27:22 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 2:27:22 AM
Vinyl chloride	72.6		2.00	D	µg/L	10	3/5/2020 11:26:30 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/6/2020 2:27:22 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 2:27:22 AM
trans-1,2-Dichloroethene	1.93		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
cis-1,2-Dichloroethene	2.22		0.500		µg/L	1	3/6/2020 2:27:22 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 2:27:22 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 2:27:22 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 2:27:22 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 2:27:22 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 2:27:22 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 2:27:22 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:27:22 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 1:40:00 PM

Project: BSB

Lab ID: 2003001-022

Matrix: Groundwater

Client Sample ID: HY-110-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 2:27:22 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 2:27:22 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:27:22 AM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/6/2020 2:27:22 AM
Surr: Toluene-d8	97.6	85.7 - 113		%Rec	1	3/6/2020 2:27:22 AM
Surr: 1-Bromo-4-fluorobenzene	93.6	84.2 - 111		%Rec	1	3/6/2020 2:27:22 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-023

Matrix: Groundwater

Client Sample ID: HY-116-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 2:57:30 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 2:57:30 AM
Vinyl chloride	5.57		0.200		µg/L	1	3/6/2020 2:57:30 AM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/6/2020 2:57:30 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 2:57:30 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
cis-1,2-Dichloroethene	2.40		0.500		µg/L	1	3/6/2020 2:57:30 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 2:57:30 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 2:57:30 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 2:57:30 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 2:57:30 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 2:57:30 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 2:57:30 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 2:57:30 AM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:25:00 PM

Project: BSB

Lab ID: 2003001-023

Matrix: Groundwater

Client Sample ID: HY-116-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 2:57:30 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 2:57:30 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 2:57:30 AM
Surr: Dibromofluoromethane	112	81.1 - 118		%Rec	1	3/6/2020 2:57:30 AM
Surr: Toluene-d8	97.7	85.7 - 113		%Rec	1	3/6/2020 2:57:30 AM
Surr: 1-Bromo-4-fluorobenzene	93.1	84.2 - 111		%Rec	1	3/6/2020 2:57:30 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:50:00 PM

Project: BSB

Lab ID: 2003001-024

Matrix: Groundwater

Client Sample ID: HY-111-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 2:55:28 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 2:55:28 PM
Vinyl chloride	0.548		0.200		µg/L	1	3/5/2020 2:55:28 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 2:55:28 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 2:55:28 PM
trans-1,2-Dichloroethene	2.10		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 2:55:28 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 2:55:28 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 2:55:28 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 2:55:28 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 2:55:28 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 2:55:28 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 2:55:28 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 2:50:00 PM

Project: BSB

Lab ID: 2003001-024

Matrix: Groundwater

Client Sample ID: HY-111-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 2:55:28 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 2:55:28 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 2:55:28 PM
Surr: Dibromofluoromethane	108	81.1 - 118		%Rec	1	3/5/2020 2:55:28 PM
Surr: Toluene-d8	98.9	85.7 - 113		%Rec	1	3/5/2020 2:55:28 PM
Surr: 1-Bromo-4-fluorobenzene	92.2	84.2 - 111		%Rec	1	3/5/2020 2:55:28 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:00:00 PM

Project: BSB

Lab ID: 2003001-025

Matrix: Groundwater

Client Sample ID: HY-115-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 3:55:45 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 3:55:45 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 3:55:45 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 3:55:45 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 3:55:45 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 3:55:45 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 3:55:45 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 3:55:45 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 3:55:45 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 3:55:45 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 3:55:45 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 3:55:45 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:00:00 PM

Project: BSB

Lab ID: 2003001-025

Matrix: Groundwater

Client Sample ID: HY-115-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 3:55:45 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 3:55:45 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 3:55:45 PM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/5/2020 3:55:45 PM
Surr: Toluene-d8	99.1	85.7 - 113		%Rec	1	3/5/2020 3:55:45 PM
Surr: 1-Bromo-4-fluorobenzene	93.3	84.2 - 111		%Rec	1	3/5/2020 3:55:45 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:30:00 PM

Project: BSB

Lab ID: 2003001-026

Matrix: Groundwater

Client Sample ID: MW-103-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 4:25:51 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 4:25:51 PM
Vinyl chloride	0.514		0.200		µg/L	1	3/5/2020 4:25:51 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 4:25:51 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 4:25:51 PM
trans-1,2-Dichloroethene	2.16		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 4:25:51 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 4:25:51 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 4:25:51 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 4:25:51 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 4:25:51 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 4:25:51 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 4:25:51 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 3:30:00 PM

Project: BSB

Lab ID: 2003001-026

Matrix: Groundwater

Client Sample ID: MW-103-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 4:25:51 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 4:25:51 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 4:25:51 PM
Surr: Dibromofluoromethane	111	81.1 - 118		%Rec	1	3/5/2020 4:25:51 PM
Surr: Toluene-d8	98.2	85.7 - 113		%Rec	1	3/5/2020 4:25:51 PM
Surr: 1-Bromo-4-fluorobenzene	92.3	84.2 - 111		%Rec	1	3/5/2020 4:25:51 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Analytical Report

Work Order: 2003001
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:20:00 AM

Project: BSB

Lab ID: 2003001-027

Matrix: Groundwater

Client Sample ID: HY-113-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 8:25:37 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:25:37 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:25:37 PM
Bromomethane	ND UJ	0.500	Q	µg/L	1	3/5/2020 8:25:37 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:25:37 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:25:37 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:25:37 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:25:37 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:20:00 AM

Project: BSB

Lab ID: 2003001-027

Matrix: Groundwater

Client Sample ID: HY-113-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:25:37 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:25:37 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:25:37 PM
Surr: Dibromofluoromethane	115	81.1 - 118		%Rec	1	3/5/2020 8:25:37 PM
Surr: Toluene-d8	94.6	85.7 - 113		%Rec	1	3/5/2020 8:25:37 PM
Surr: 1-Bromo-4-fluorobenzene	94.6	84.2 - 111		%Rec	1	3/5/2020 8:25:37 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:50:00 AM

Project: BSB

Lab ID: 2003001-028

Matrix: Groundwater

Client Sample ID: HY-114-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 3:27:38 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 3:27:38 AM
Vinyl chloride	156	J+	2.00	D	µg/L	10	3/6/2020 12:26:46 AM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/6/2020 3:27:38 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 3:27:38 AM
trans-1,2-Dichloroethene	3.23	J+	0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
cis-1,2-Dichloroethene	57.2	J+	5.00	D	µg/L	10	3/6/2020 12:26:46 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 3:27:38 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 3:27:38 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 3:27:38 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 3:27:38 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 3:27:38 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 3:27:38 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:27:38 AM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 10:50:00 AM

Project: BSB

Lab ID: 2003001-028

Matrix: Groundwater

Client Sample ID: HY-114-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 3:27:38 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 3:27:38 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:27:38 AM
Surr: Dibromofluoromethane	121	81.1 - 118	S	%Rec	1	3/6/2020 3:27:38 AM
Surr: Toluene-d8	92.6	85.7 - 113		%Rec	1	3/6/2020 3:27:38 AM
Surr: 1-Bromo-4-fluorobenzene	93.9	84.2 - 111		%Rec	1	3/6/2020 3:27:38 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)

S - Outlying surrogate recovery(ies) observed.



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 1:05:00 PM

Project: BSB

Lab ID: 2003001-029

Matrix: Groundwater

Client Sample ID: HY-125-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 3:57:46 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 3:57:46 AM
Vinyl chloride	963		20.0	D	µg/L	100	3/6/2020 12:56:55 AM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/6/2020 3:57:46 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Chloroethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 3:57:46 AM
trans-1,2-Dichloroethene	12.8		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
cis-1,2-Dichloroethene	104		10.0	D	µg/L	20	3/6/2020 1:27:05 AM
Chloroform	ND		1.00		µg/L	1	3/6/2020 3:57:46 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 3:57:46 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Dibromomethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/6/2020 3:57:46 AM
Chlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 3:57:46 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
Bromobenzene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/6/2020 3:57:46 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/6/2020 3:57:46 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/6/2020 3:57:46 AM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 1:05:00 PM

Project: BSB

Lab ID: 2003001-029

Matrix: Groundwater

Client Sample ID: HY-125-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 3:57:46 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/6/2020 3:57:46 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/6/2020 3:57:46 AM
Surr: Dibromofluoromethane	109	81.1 - 118		%Rec	1	3/6/2020 3:57:46 AM
Surr: Toluene-d8	95.9	85.7 - 113		%Rec	1	3/6/2020 3:57:46 AM
Surr: 1-Bromo-4-fluorobenzene	94.0	84.2 - 111		%Rec	1	3/6/2020 3:57:46 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:00:00 PM

Project: BSB

Lab ID: 2003001-030

Matrix: Groundwater

Client Sample ID: Ld-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 8:55:47 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 8:55:47 PM
Vinyl chloride	ND	0.200		µg/L	1	3/5/2020 8:55:47 PM
Bromomethane	ND UJ	0.500	Q	µg/L	1	3/5/2020 8:55:47 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 8:55:47 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 8:55:47 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 8:55:47 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 8:55:47 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:00:00 PM

Project: BSB

Lab ID: 2003001-030

Matrix: Groundwater

Client Sample ID: Ld-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 8:55:47 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 8:55:47 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 8:55:47 PM
Surr: Dibromofluoromethane	109	81.1 - 118		%Rec	1	3/5/2020 8:55:47 PM
Surr: Toluene-d8	97.5	85.7 - 113		%Rec	1	3/5/2020 8:55:47 PM
Surr: 1-Bromo-4-fluorobenzene	95.7	84.2 - 111		%Rec	1	3/5/2020 8:55:47 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:55:00 PM

Project: BSB

Lab ID: 2003001-031

Matrix: Groundwater

Client Sample ID: HYCP-7d-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 9:25:55 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 9:25:55 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 9:25:55 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 9:25:55 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 9:25:55 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 9:25:55 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 9:25:55 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 9:25:55 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 9:25:55 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 9:25:55 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 9:25:55 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:25:55 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 2:55:00 PM

Project: BSB

Lab ID: 2003001-031

Matrix: Groundwater

Client Sample ID: HYCP-7d-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 9:25:55 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 9:25:55 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:25:55 PM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/5/2020 9:25:55 PM
Surr: Toluene-d8	96.6	85.7 - 113		%Rec	1	3/5/2020 9:25:55 PM
Surr: 1-Bromo-4-fluorobenzene	92.0	84.2 - 111		%Rec	1	3/5/2020 9:25:55 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 4:05:00 PM

Project: BSB

Lab ID: 2003001-032

Matrix: Groundwater

Client Sample ID: HY-112-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 9:56:03 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 9:56:03 PM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 9:56:03 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 9:56:03 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 9:56:03 PM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Chloroform	ND		1.00		µg/L	1	3/5/2020 9:56:03 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 9:56:03 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 9:56:03 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 9:56:03 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 9:56:03 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 9:56:03 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 9:56:03 PM



Client: PES Environmental, Inc.

Collection Date: 2/28/2020 4:05:00 PM

Project: BSB

Lab ID: 2003001-032

Matrix: Groundwater

Client Sample ID: HY-112-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 9:56:03 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 9:56:03 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 9:56:03 PM
Surr: Dibromofluoromethane	112	81.1 - 118		%Rec	1	3/5/2020 9:56:03 PM
Surr: Toluene-d8	97.2	85.7 - 113		%Rec	1	3/5/2020 9:56:03 PM
Surr: 1-Bromo-4-fluorobenzene	94.5	84.2 - 111		%Rec	1	3/5/2020 9:56:03 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/24/2020 2:45:00 PM

Project: BSB

Lab ID: 2003001-033

Matrix: Water

Client Sample ID: TB-022820

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 10:54:25 AM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 10:54:25 AM
Vinyl chloride	ND		0.200		µg/L	1	3/5/2020 10:54:25 AM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 10:54:25 AM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 10:54:25 AM
trans-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
cis-1,2-Dichloroethene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Chloroform	ND		1.00		µg/L	1	3/5/2020 10:54:25 AM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 10:54:25 AM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 10:54:25 AM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 10:54:25 AM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 10:54:25 AM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 10:54:25 AM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:54:25 AM



Client: PES Environmental, Inc.

Collection Date: 2/24/2020 2:45:00 PM

Project: BSB

Lab ID: 2003001-033

Matrix: Water

Client Sample ID: TB-022820

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:54:25 AM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:54:25 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:54:25 AM
Surr: Dibromofluoromethane	105	81.1 - 118		%Rec	1	3/5/2020 10:54:25 AM
Surr: Toluene-d8	97.8	85.7 - 113		%Rec	1	3/5/2020 10:54:25 AM
Surr: 1-Bromo-4-fluorobenzene	93.1	84.2 - 111		%Rec	1	3/5/2020 10:54:25 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:30:00 AM

Project: BSB

Lab ID: 2003001-034

Matrix: Groundwater

Client Sample ID: HY-107-022720

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/5/2020 10:26:12 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/5/2020 10:26:12 PM
Vinyl chloride	795		4.00	D	µg/L	20	3/6/2020 5:35:19 PM
Bromomethane	ND	UJ	0.500	Q	µg/L	1	3/5/2020 10:26:12 PM
Trichlorofluoromethane (CFC-11)	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Chloroethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1-Dichloroethene	14.0		0.500		µg/L	1	3/5/2020 10:26:12 PM
Methylene chloride	ND		1.00		µg/L	1	3/5/2020 10:26:12 PM
trans-1,2-Dichloroethene	58.5		10.0	D	µg/L	20	3/6/2020 5:35:19 PM
1,1-Dichloroethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
cis-1,2-Dichloroethene	13,800		500	D	µg/L	1000	3/9/2020 7:54:06 AM
Chloroform	ND		1.00		µg/L	1	3/5/2020 10:26:12 PM
1,1,1-Trichloroethane (TCA)	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/5/2020 10:26:12 PM
1,2-Dichloroethane (EDC)	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Bromodichloromethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Dibromomethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
cis-1,3-Dichloropropene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
trans-1,3-Dichloropropylene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1,2-Trichloroethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,3-Dichloropropane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Tetrachloroethene (PCE)	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Dibromochloromethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2-Dibromoethane (EDB)	ND		0.200		µg/L	1	3/5/2020 10:26:12 PM
Chlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,1,1,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/5/2020 10:26:12 PM
1,1,2,2-Tetrachloroethane	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
Bromobenzene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
2-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
4-Chlorotoluene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2,3-Trichloropropane	ND		2.00		µg/L	1	3/5/2020 10:26:12 PM
1,2,4-Trichlorobenzene	ND		1.00		µg/L	1	3/5/2020 10:26:12 PM
1,3-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,4-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM
1,2-Dichlorobenzene	ND		0.500		µg/L	1	3/5/2020 10:26:12 PM



Client: PES Environmental, Inc.

Collection Date: 2/27/2020 9:30:00 AM

Project: BSB

Lab ID: 2003001-034

Matrix: Groundwater

Client Sample ID: HY-107-022720

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:26:12 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:26:12 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:26:12 PM
Surr: Dibromofluoromethane	114	81.1 - 118		%Rec	1	3/5/2020 10:26:12 PM
Surr: Toluene-d8	95.3	85.7 - 113		%Rec	1	3/5/2020 10:26:12 PM
Surr: 1-Bromo-4-fluorobenzene	94.1	84.2 - 111		%Rec	1	3/5/2020 10:26:12 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:50:00 AM

Project: BSB

Lab ID: 2003001-035

Matrix: Groundwater

Client Sample ID: HCYP-2i-022620

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

Batch ID: 27671

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND UJ	1.00	Q	µg/L	1	3/5/2020 10:56:22 PM
Chloromethane	ND	0.789	MDL	µg/L	1	3/5/2020 10:56:22 PM
Vinyl chloride	ND	0.200		µg/L	1	3/6/2020 4:35:02 PM
Bromomethane	ND UJ	0.500	Q	µg/L	1	3/5/2020 10:56:22 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Chloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Methylene chloride	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 4:35:02 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/6/2020 4:35:02 PM
Chloroform	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Carbon tetrachloride	ND	0.534	MDL	µg/L	1	3/5/2020 10:56:22 PM
1,2-Dichloroethane (EDC)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Dibromomethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Dibromochloromethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2-Dibromoethane (EDB)	ND	0.200		µg/L	1	3/5/2020 10:56:22 PM
Chlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Bromoform	ND	0.858	MDL	µg/L	1	3/5/2020 10:56:22 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Bromobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2,3-Trichloropropane	ND	2.00		µg/L	1	3/5/2020 10:56:22 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM



Client: PES Environmental, Inc.

Collection Date: 2/26/2020 11:50:00 AM

Project: BSB

Lab ID: 2003001-035

Matrix: Groundwater

Client Sample ID: HCYP-2i-022620

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

Batch ID: 27671

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/5/2020 10:56:22 PM
Hexachloro-1,3-butadiene	ND	2.00		µg/L	1	3/5/2020 10:56:22 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/5/2020 10:56:22 PM
Surr: Dibromofluoromethane	110	81.1 - 118		%Rec	1	3/5/2020 10:56:22 PM
Surr: Toluene-d8	97.9	85.7 - 113		%Rec	1	3/5/2020 10:56:22 PM
Surr: 1-Bromo-4-fluorobenzene	95.1	84.2 - 111		%Rec	1	3/5/2020 10:56:22 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)

MEMORANDUM

TO: Project File **DATE:** March 17, 2020
FROM: Jessie Compeau
SUBJECT: Laboratory Data Validation Review
PROJECT: BSB Property – Shallow and Deep Aquifer Cleanup Action
PROJECT #: 827.001.45.005 and 827.001.46.002
TASK: EIM Data Validation Level EPA2A for March 2020 - Groundwater Samples
LAB: Fremont Work Order Number 2003030

Fifteen (15) groundwater samples and one (1) trip blank were collected March 2-3, 2020 as part of a shallow and deep aquifer cleanup action at the BSB Diversified Facility in Kent, Washington. The samples were analyzed for volatile organic compounds (VOCs) using USEPA Method 8260D. Laboratory analyses were conducted by Fremont Analytical (Fremont) of Seattle, Washington, under Fremont Work Order Number 2003030. 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, 2017).

DATA VALIDATION

Completeness

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

- Per PES's March 4, 2020 communication the chain of custody analysis requests were cancelled on two samples HYCP-7d-030320 and HY-112-030320.

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 in one cooler and hand-delivered to the analytical laboratory. The laboratory reported that the coolers were received at cooler temperatures of 4.6 degrees Centigrade (°C). Sample temperatures of 5.2°C were recorded and 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:

- Analytical Batch 27686: CCV criteria are not met for one compound (dichlorodifluoromethane (CFC-12)) and Fremont qualified associated results (Q). **Associated groundwater sample results, as qualified by the laboratory for this compound, are estimated (J/UJ) because CCV acceptance criteria are not met.**

Method Blank Results

Laboratory method blanks are included with the analytical batches per method requirement. The target analytes are not detected in the method blanks 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-030320) 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 samples were not collected. Refer to laboratory duplicate results for precision data.

Laboratory Duplicate Analyses

Laboratory duplicate samples were performed on client samples **HY-121-030220** and on a non-client sample within the analytical batches. The primary/duplicate RPDs were within the laboratory control limit of 30%. Duplicate data are acceptable.

Surrogate Recoveries

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

Laboratory Control Samples

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed by USEPA Method 8260D. The LCS or LCS/LCSD %R's and RPDs for the target compounds are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

Matrix spike and matrix spike duplicate (MS/MSD) analyses were not performed. Refer to LCS and duplicate results for accuracy and precision data.

Quantitation Limits

Selected targets compounds (chloromethane, carbon tetrachloride, and bromoform) were reported to the method detection limit (MDL). No action was taken other than to note that the associated method blank was also reported to the MDL for these compounds.

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, 2017)

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.



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:00:00 PM

Project: BSB

Lab ID: 2003030-001

Matrix: Groundwater

Client Sample ID: HY-121-030220

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 7:32:26 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 7:32:26 PM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 7:32:26 PM
Bromomethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Trichlorofluoromethane (CFC-11)	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Chloroethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
trans-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1-Dichloroethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
cis-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Chloroform	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1,1-Trichloroethane (TCA)	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 7:32:26 PM
1,2-Dichloroethane (EDC)	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 7:32:26 PM
1,2-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Bromodichloromethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Dibromomethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
cis-1,3-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
trans-1,3-Dichloropropylene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1,2-Trichloroethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,3-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Tetrachloroethene (PCE)	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Dibromochloromethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2-Dibromoethane (EDB)	ND		0.250		µg/L	1	3/6/2020 7:32:26 PM
Chlorobenzene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,1,1,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 7:32:26 PM
1,1,2,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
Bromobenzene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
2-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
4-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2,3-Trichloropropane	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2,4-Trichlorobenzene	ND		2.00		µg/L	1	3/6/2020 7:32:26 PM
1,3-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,4-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM
1,2-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 7:32:26 PM



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:00:00 PM

Project: BSB

Lab ID: 2003030-001

Matrix: Groundwater

Client Sample ID: HY-121-030220

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 7:32:26 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 7:32:26 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 7:32:26 PM
Surr: Dibromofluoromethane	100	81.1 - 118		%Rec	1	3/6/2020 7:32:26 PM
Surr: Toluene-d8	97.9	85.7 - 113		%Rec	1	3/6/2020 7:32:26 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	84.2 - 111		%Rec	1	3/6/2020 7:32:26 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:15:00 PM

Project: BSB

Lab ID: 2003030-002

Matrix: Groundwater

Client Sample ID: HY-120-030220

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 8:34:04 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 8:34:04 PM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 8:34:04 PM
Bromomethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Trichlorofluoromethane (CFC-11)	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Chloroethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
trans-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1-Dichloroethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
cis-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Chloroform	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1,1-Trichloroethane (TCA)	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 8:34:04 PM
1,2-Dichloroethane (EDC)	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 8:34:04 PM
1,2-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Bromodichloromethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Dibromomethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
cis-1,3-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
trans-1,3-Dichloropropylene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1,2-Trichloroethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,3-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Tetrachloroethene (PCE)	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Dibromochloromethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2-Dibromoethane (EDB)	ND		0.250		µg/L	1	3/6/2020 8:34:04 PM
Chlorobenzene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,1,1,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 8:34:04 PM
1,1,2,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
Bromobenzene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
2-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
4-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2,3-Trichloropropane	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2,4-Trichlorobenzene	ND		2.00		µg/L	1	3/6/2020 8:34:04 PM
1,3-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,4-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM
1,2-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 8:34:04 PM



Client: PES Environmental, Inc.

Collection Date: 3/2/2020 3:15:00 PM

Project: BSB

Lab ID: 2003030-002

Matrix: Groundwater

Client Sample ID: HY-120-030220

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 8:34:04 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 8:34:04 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 8:34:04 PM
Surr: Dibromofluoromethane	99.9	81.1 - 118		%Rec	1	3/6/2020 8:34:04 PM
Surr: Toluene-d8	97.0	85.7 - 113		%Rec	1	3/6/2020 8:34:04 PM
Surr: 1-Bromo-4-fluorobenzene	97.4	84.2 - 111		%Rec	1	3/6/2020 8:34:04 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:10:00 AM

Project: BSB

Lab ID: 2003030-005

Matrix: Groundwater

Client Sample ID: HY-11s-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 9:35:38 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 9:35:38 PM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 9:35:38 PM
Bromomethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Trichlorofluoromethane (CFC-11)	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Chloroethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
trans-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1-Dichloroethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
cis-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Chloroform	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1,1-Trichloroethane (TCA)	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 9:35:38 PM
1,2-Dichloroethane (EDC)	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 9:35:38 PM
1,2-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Bromodichloromethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Dibromomethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
cis-1,3-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
trans-1,3-Dichloropropylene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1,2-Trichloroethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,3-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Tetrachloroethene (PCE)	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Dibromochloromethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2-Dibromoethane (EDB)	ND		0.250		µg/L	1	3/6/2020 9:35:38 PM
Chlorobenzene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,1,1,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 9:35:38 PM
1,1,2,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
Bromobenzene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
2-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
4-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2,3-Trichloropropane	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2,4-Trichlorobenzene	ND		2.00		µg/L	1	3/6/2020 9:35:38 PM
1,3-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,4-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM
1,2-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 9:35:38 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:10:00 AM

Project: BSB

Lab ID: 2003030-005

Matrix: Groundwater

Client Sample ID: HY-11s-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 9:35:38 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 9:35:38 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 9:35:38 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/6/2020 9:35:38 PM
Surr: Toluene-d8	97.6	85.7 - 113		%Rec	1	3/6/2020 9:35:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	84.2 - 111		%Rec	1	3/6/2020 9:35:38 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Analytical Report

Work Order: 2003030
Date Reported: 3/10/2020

Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:15:00 AM

Project: BSB

Lab ID: 2003030-006

Matrix: Groundwater

Client Sample ID: HY-109-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 10:06:23 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 10:06:23 PM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 10:06:23 PM
Bromomethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Trichlorofluoromethane (CFC-11)	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Chloroethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
trans-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1-Dichloroethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
cis-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Chloroform	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1,1-Trichloroethane (TCA)	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 10:06:23 PM
1,2-Dichloroethane (EDC)	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 10:06:23 PM
1,2-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Bromodichloromethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Dibromomethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
cis-1,3-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
trans-1,3-Dichloropropylene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1,2-Trichloroethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,3-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Tetrachloroethene (PCE)	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Dibromochloromethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2-Dibromoethane (EDB)	ND		0.250		µg/L	1	3/6/2020 10:06:23 PM
Chlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,1,1,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 10:06:23 PM
1,1,2,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
Bromobenzene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
2-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
4-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2,3-Trichloropropane	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2,4-Trichlorobenzene	ND		2.00		µg/L	1	3/6/2020 10:06:23 PM
1,3-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,4-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM
1,2-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:06:23 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:15:00 AM

Project: BSB

Lab ID: 2003030-006

Matrix: Groundwater

Client Sample ID: HY-109-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 10:06:23 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 10:06:23 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 10:06:23 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/6/2020 10:06:23 PM
Surr: Toluene-d8	98.9	85.7 - 113		%Rec	1	3/6/2020 10:06:23 PM
Surr: 1-Bromo-4-fluorobenzene	96.6	84.2 - 111		%Rec	1	3/6/2020 10:06:23 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:35:00 AM

Project: BSB

Lab ID: 2003030-007

Matrix: Groundwater

Client Sample ID: HY-11i-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 10:37:05 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 10:37:05 PM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 10:37:05 PM
Bromomethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Trichlorofluoromethane (CFC-11)	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Chloroethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
trans-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1-Dichloroethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
cis-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Chloroform	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1,1-Trichloroethane (TCA)	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 10:37:05 PM
1,2-Dichloroethane (EDC)	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 10:37:05 PM
1,2-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Bromodichloromethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Dibromomethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
cis-1,3-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
trans-1,3-Dichloropropylene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1,2-Trichloroethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,3-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Tetrachloroethene (PCE)	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Dibromochloromethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2-Dibromoethane (EDB)	ND		0.250		µg/L	1	3/6/2020 10:37:05 PM
Chlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,1,1,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 10:37:05 PM
1,1,2,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
Bromobenzene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
2-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
4-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2,3-Trichloropropane	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2,4-Trichlorobenzene	ND		2.00		µg/L	1	3/6/2020 10:37:05 PM
1,3-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,4-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM
1,2-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 10:37:05 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 9:35:00 AM

Project: BSB

Lab ID: 2003030-007

Matrix: Groundwater

Client Sample ID: HY-11i-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 10:37:05 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 10:37:05 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 10:37:05 PM
Surr: Dibromofluoromethane	100	81.1 - 118		%Rec	1	3/6/2020 10:37:05 PM
Surr: Toluene-d8	97.4	85.7 - 113		%Rec	1	3/6/2020 10:37:05 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	84.2 - 111		%Rec	1	3/6/2020 10:37:05 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 10:10:00 AM

Project: BSB

Lab ID: 2003030-008

Matrix: Groundwater

Client Sample ID: HY-126-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 11:07:52 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 11:07:52 PM
Vinyl chloride	0.535		0.200		µg/L	1	3/6/2020 11:07:52 PM
Bromomethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Trichlorofluoromethane (CFC-11)	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Chloroethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
trans-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1-Dichloroethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
cis-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Chloroform	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1,1-Trichloroethane (TCA)	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 11:07:52 PM
1,2-Dichloroethane (EDC)	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 11:07:52 PM
1,2-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Bromodichloromethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Dibromomethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
cis-1,3-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
trans-1,3-Dichloropropylene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1,2-Trichloroethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,3-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Tetrachloroethene (PCE)	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Dibromochloromethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2-Dibromoethane (EDB)	ND		0.250		µg/L	1	3/6/2020 11:07:52 PM
Chlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,1,1,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 11:07:52 PM
1,1,2,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
Bromobenzene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
2-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
4-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2,3-Trichloropropane	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2,4-Trichlorobenzene	ND		2.00		µg/L	1	3/6/2020 11:07:52 PM
1,3-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,4-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM
1,2-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:07:52 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 10:10:00 AM

Project: BSB

Lab ID: 2003030-008

Matrix: Groundwater

Client Sample ID: HY-126-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 11:07:52 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 11:07:52 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 11:07:52 PM
Surr: Dibromofluoromethane	101	81.1 - 118		%Rec	1	3/6/2020 11:07:52 PM
Surr: Toluene-d8	98.6	85.7 - 113		%Rec	1	3/6/2020 11:07:52 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	84.2 - 111		%Rec	1	3/6/2020 11:07:52 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:10:00 PM

Project: BSB

Lab ID: 2003030-012

Matrix: Groundwater

Client Sample ID: HY-102-030320

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

Batch ID: 27686

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	UJ	1.00	Q	µg/L	1	3/6/2020 11:38:38 PM
Chloromethane	ND		0.789	MDL	µg/L	1	3/6/2020 11:38:38 PM
Vinyl chloride	ND		0.200		µg/L	1	3/6/2020 11:38:38 PM
Bromomethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Trichlorofluoromethane (CFC-11)	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Chloroethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Methylene chloride	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
trans-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1-Dichloroethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
cis-1,2-Dichloroethene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Chloroform	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1,1-Trichloroethane (TCA)	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Carbon tetrachloride	ND		0.534	MDL	µg/L	1	3/6/2020 11:38:38 PM
1,2-Dichloroethane (EDC)	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Trichloroethene (TCE)	ND		0.500		µg/L	1	3/6/2020 11:38:38 PM
1,2-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Bromodichloromethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Dibromomethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
cis-1,3-Dichloropropene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
trans-1,3-Dichloropropylene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1,2-Trichloroethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,3-Dichloropropane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Tetrachloroethene (PCE)	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Dibromochloromethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2-Dibromoethane (EDB)	ND		0.250		µg/L	1	3/6/2020 11:38:38 PM
Chlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,1,1,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Bromoform	ND		0.858	MDL	µg/L	1	3/6/2020 11:38:38 PM
1,1,2,2-Tetrachloroethane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
Bromobenzene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
2-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
4-Chlorotoluene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2,3-Trichloropropane	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2,4-Trichlorobenzene	ND		2.00		µg/L	1	3/6/2020 11:38:38 PM
1,3-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,4-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM
1,2-Dichlorobenzene	ND		1.00		µg/L	1	3/6/2020 11:38:38 PM



Client: PES Environmental, Inc.

Collection Date: 3/3/2020 12:10:00 PM

Project: BSB

Lab ID: 2003030-012

Matrix: Groundwater

Client Sample ID: HY-102-030320

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

Batch ID: 27686

Analyst: KT

1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/6/2020 11:38:38 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	3/6/2020 11:38:38 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/6/2020 11:38:38 PM
Surr: Dibromofluoromethane	102	81.1 - 118		%Rec	1	3/6/2020 11:38:38 PM
Surr: Toluene-d8	98.3	85.7 - 113		%Rec	1	3/6/2020 11:38:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.6	84.2 - 111		%Rec	1	3/6/2020 11:38:38 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

MDL - Analyte reported to Method Detection Limit (MDL)